



## 60 anni di esperienza e innovazione

Un supermercato di Parigi, un autolavaggio di Los Angeles, un campo di grano di Kiev: un'unica cosa in comune, un prodotto che deriva dal cuore dell'Italia, una pompa Anovi Reverberi. Fondata nel 1958 da Corrado Reverberi, Anovi Reverberi è ancora oggi un'azienda italiana di famiglia, una realtà metalmeccanica fortemente legata al territorio, fatta di persone idee e progetti innovativi. Un esempio di imprenditoria italiana basata su esperienza, artigianalità e innovazione. Un marchio riconosciuto in tutto il mondo come simbolo di massima qualità e saper fare italiano. 60 anni di storia che hanno visto il gruppo Anovi Reverberi crescere notevolmente e diventare protagonista in tre settori di riferimento: agricoltura con la produzione di pompe a membrana; industria attraverso il successo delle pompe a pistoni AR e infine intorno agli anni '90 cleaning con lo sviluppo di idropulitrici e aspiratori.

*A supermarket in Paris, a car wash in Los Angeles, a wheat field south of Kiev: the same thing in common; a product from the heart of Italy, an Anovi Reverberi pump.*

*Founded in 1958 by Corrado Reverberi, Anovi Reverberi is still an Italian family-owned company, a mechanical engineering reality strongly linked to the territory and made up of people, ideas and innovative projects.*

*An example of Italian entrepreneurship based on experience, innovation and passion. A brand recognized all over the world as a symbol of top quality and Italian know-how.*

*It's a 60 year history that has seen the Anovi Reverberi group grow significantly and become a protagonist in three sectors of reference: agriculture with the production of diaphragm pumps; industry through the success of AR piston pumps and, finally, around the 90s, cleaning with the development of high-pressure washers and vacuum cleaners.*

## AGRICULTURAL DIVISION

Anovi Reverberi è da 60 anni leader mondiale nel settore delle pompe a membrana. L'attenzione per il dettaglio e componenti di altissima qualità lavorati direttamente in azienda sono stati gli ingredienti principali per sviluppare una gamma completa di pompe a bassa, media e alta pressione per garantire le più svariate applicazioni tra cui diserbo, irrigazione, deicing, applicazione su carriole per il giardinaggio, disinfezione e antincendio.

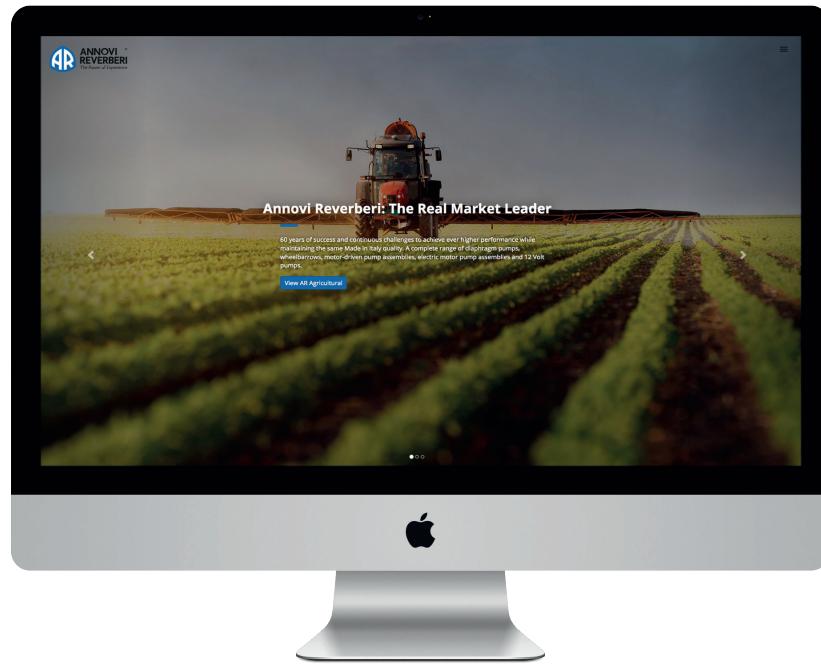
Ogni singolo prodotto marchiato AR viene prodotto seguendo processi produttivi che rispettano la norma ISO 9001:2015 e viene collaudato prima dell'invio al cliente. Scegliere Anovi Reverberi significa scegliere un marchio che è stato capace di sopravvivere nel tempo. Con oltre il 40% del fatturato della divisione agricoltura del Gruppo che deriva da esportazioni extra-EU oggi lo scudo AR è simbolo di tecnologia italiana in tutto il mondo.

### Nata a Modena

*Anovi Reverberi has been a world leader in the field of diaphragm pumps for 60 years. The attention to detail and the highest quality components machined directly in the company are the precursors leading to the development of a complete range of low, medium and high pressure diaphragm pumps for crop protection, spraying, deicing, disinfection and fire fighting. Every single AR branded product is created following production processes that complies with the ISO 9001: 2015 standard and is tested before being sent to the customer. Choosing Anovi Reverberi means relying on a brand that has been able to evolve and develop over time. With over 40% of the Group's agricultural division's turnover deriving from non-EU exports, today the AR logo is a symbol of Italian technology all over the world.*



**agriculture.annovireverberi.it**



## WEB 2.0

Il viaggio all'interno del mondo Anovi Reverberi continua sul nostro nuovo sito **[www.annovireverberi.it](http://www.annovireverberi.it)**. Nuova veste grafica, maggiori contenuti, interattività e novità aziendali sempre in prima linea: sono questi alcuni degli ingredienti che caratterizzano il remake del sito. Non solo prodotto quindi ma anche appuntamenti fieristici, rassegna stampa ed i tanti progetti che a breve vedranno la luce.

## WEB 2.0

*The journey through the world of Anovi Reverberi continues on our new website **[www.annovireverberi.it](http://www.annovireverberi.it)**. New graphics, more contents, interactivity and a strong focus on the latest company news: these are amongst the ingredients of the site's remake. So not just products but also exhibition dates, press review and lots of upcoming projects.*



# PLUS

## Serie LFP

**Serbatoio olio di grande capacità, montaggio anche a distanza.**

*Large capacity oil tank. Remote oil tank installation available.*

**Ampia gamma di raccordi aspirazione e mandata.**

*Wide range of inlet and outlet fittings.*

**N°2 cuscinetti a rullini di qualità sotto alle bielle per ridurre gli attriti.**

*2 high quality needle bearings under the connecting rods to reduce friction.*

**Condotti aspirazione e mandata modulari e configurabili.**

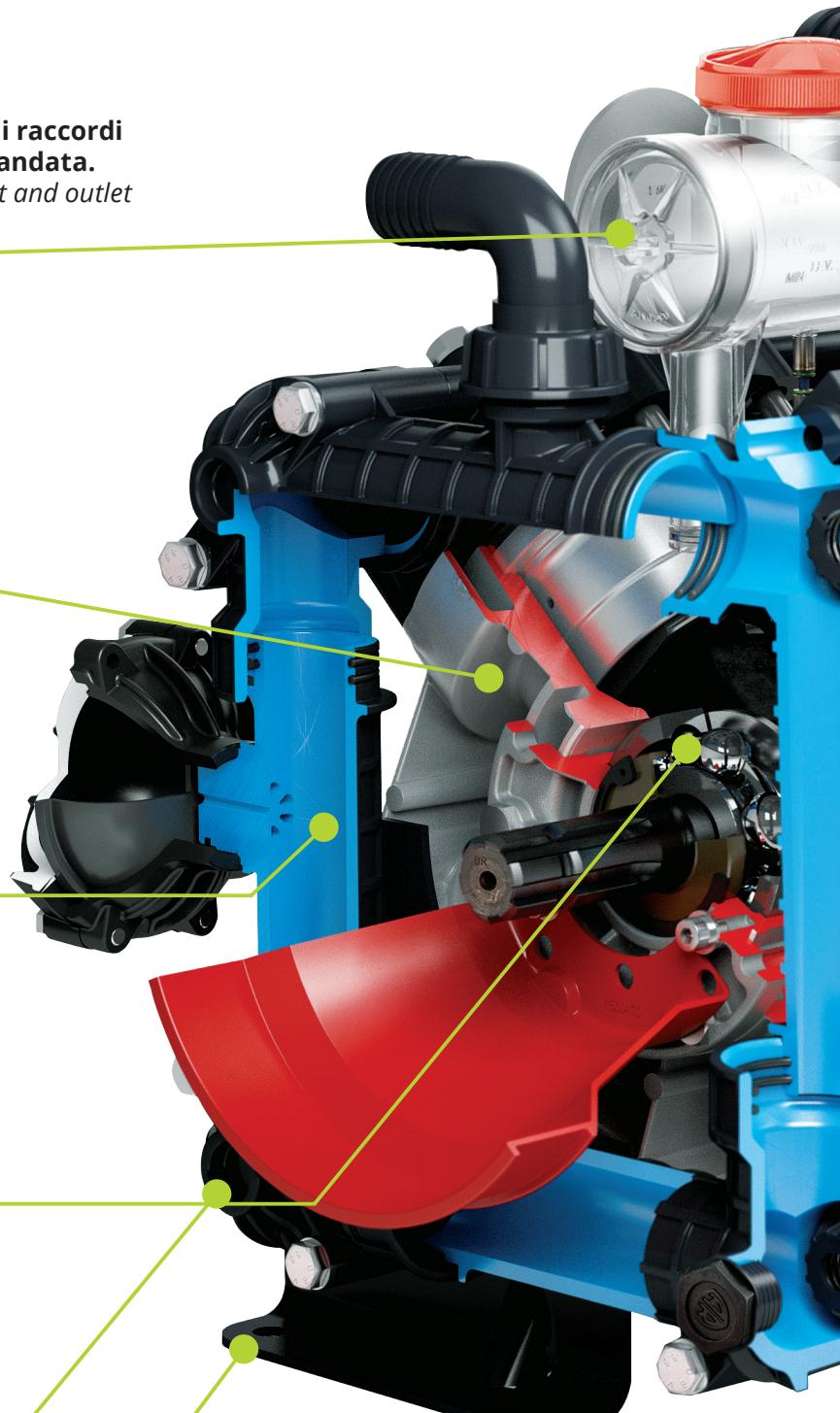
*Inlet and outlet manifolds are modular and position can be modified.*

**Anelli di tenuta a doppio labbro.**

*Double lip oil seals.*

**Tappo di svuotamento per rimessaggio invernale.**

*Drain plug to empty liquid from the circuit before winter storage.*



**Supporti in lamiera con trattamento di Cataforesi, di costruzione robusta e fissati al corpo pompa.**

*Pump feet with Cataforesis protective treatment- Robust and fixed to the pump body.*



Viteria in AISI 304.  
AISI 304 bolts and nuts.

Testa in plastica rinforzata resistente ai prodotti chimici aggressivi.  
Pump head in reinforced thermoplastic for aggressive chemicals.

Elementi di fissaggio della membrana in AISI 316 L.  
Bolts and nuts for fixing the diaphragm in AISI 316L.

Valvole di grandi dimensioni in AISI 316 per un migliore rendimento idraulico e una migliore resistenza agli agenti chimici.  
Large valves in AISI 316 for best hydraulic efficiency and better resistance to chemical agents.

Membrane BlueFlex™ lunga durata e resistenza a diserbanti, fitofarmaci e fertilizzanti aggressivi.  
Long-life BlueFlex™ diaphragms for resistance to spraying chemicals and aggressive liquid fertilizers.

Pistoni con segmento elastico.  
Elastic segment on pistons.

Condotti con doppio O-Ring in Viton® resistente a liquidi aggressivi.  
Manifolds with double O-ring in Viton® for aggressive chemicals.



**AR BlueFlex™**

**HEAVY DUTY & LONG LIFE**

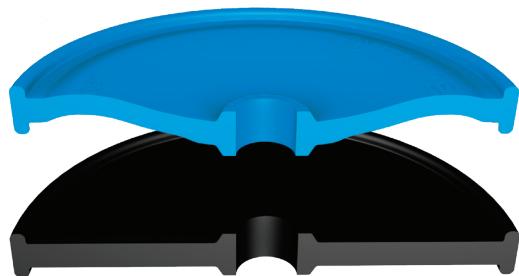


#### **Sezione**

La particolare forma e lo spessore delle membrane BlueFlex™ sono stati studiati per ridurre al minimo lo stress che subisce il materiale durante il funzionamento della pompa, anche in condizioni critiche.

#### **Special Shape**

*The special shape and the thickness of the diaphragms has been carefully optimised to reduce mechanical stresses during the working cycle of the pump, also under the most difficult working conditions.*



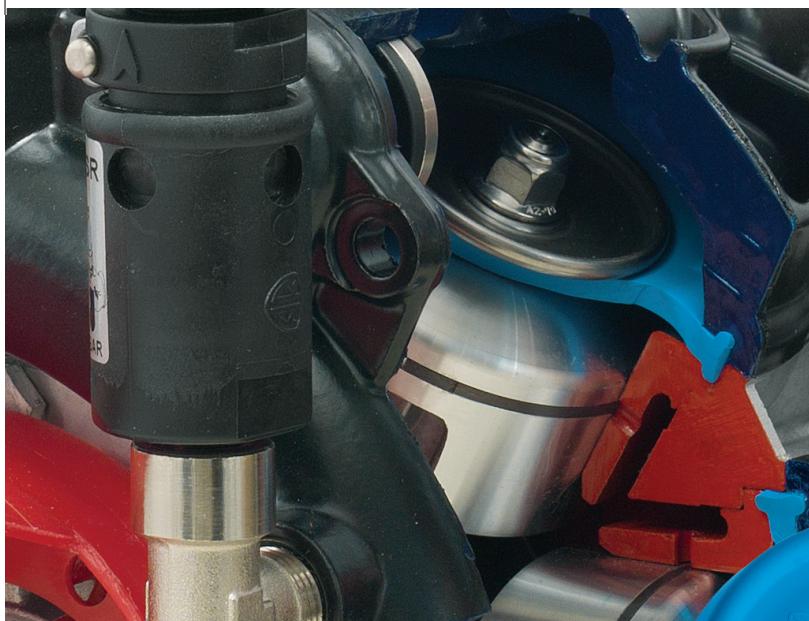
#### **Piattello**

Il sistema BlueFlex™ si completa con un innovativo piattello di ritegno della membrana, con un disegno brevettato, che non dà la possibilità che la membrana si incolla o venga lacerata dal piattello stesso.

#### **New Patented Diaphragm Plate For BlueFlex™ Diaphragms**

*The new patented diaphragm retaining plate, eliminates the possibility that the diaphragm can get caught or nicked by the diaphragm plate.*





### Datario

Ogni membrana BlueFlex™ è dotata di datario per l'identificazione del lotto produttivo. La Anovi Reverberi conserva un campione dei granuli utilizzati in ogni lotto per eventuali analisi.

### Date Code

All BlueFlex™ diaphragms have a date code which allows us to identify the production lot by year and month. It means we control the production process right from the raw material through to the finished diaphragm.

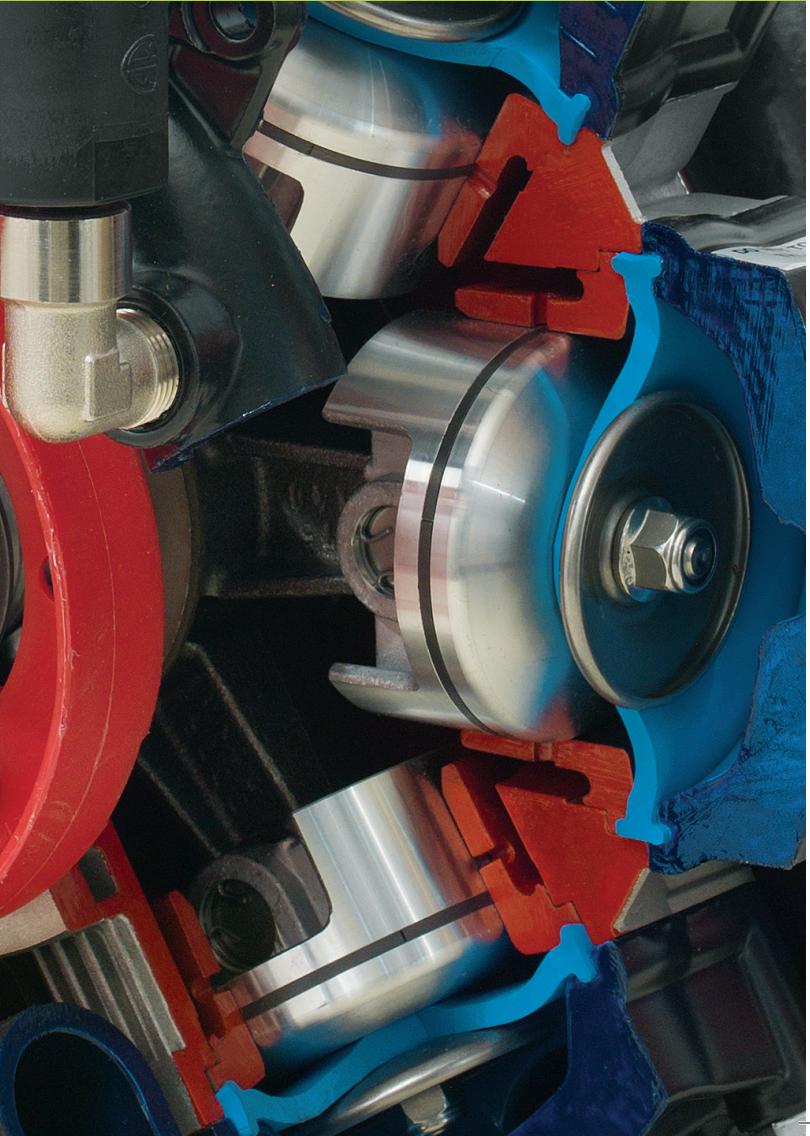


### Funzionamento

Le caratteristiche di funzionamento e i benefici derivanti dalle modifiche apportate al sistema membrana/piattello BlueFlex™ sono stati analizzati operando con sistema che permette di filmare i movimenti della membrana in tutte le condizioni di lavoro della pompa.

### The " BlueFlex™ System "

We call the combination of the new BlueFlex™ diaphragms when used with the new patented diaphragm plate, the " BlueFlex™ System ". This translates into heavy duty and long diaphragm life.





# Membrane diaphragms

Codice	Descrizione	Materiale	Pompe Applicabili
550080	Membrana pompa Ø <sub>e</sub> 115	Gomma NBR	AR 70-115-120-125-135-140-145-160-185-215-250-280-320-370-500-560bp AR 903-1053-1203-1604 BHS 90-105-120
550081	Membrana pompa Ø <sub>e</sub> 115	BlueFlex™	AR 70-115-120-125-135-140-145-160-185-215-250-280-320-370-500-560bp AR 903-1053-1203-1604 BHS 90-105-120
550085	Membrana pompa Ø <sub>e</sub> 115	Desmopan®	AR70-115-120-125-135-140-145-160-185-215-250-280-320-370-500-560bp AR 903-1053-1203-1604 BHS 90-105-120
550086	Membrana pompa Ø <sub>e</sub> 115	H.P.D.S.	AR 70-115-120-125-135-140-145-160-185-215-250-280-320-370-500-560bp AR 903-1053-1203-1604 BHS 90-105-120
550084	Membrana pompa Ø <sub>e</sub> 115	Viton®	AR 70-115-120-125-135-140-145-160-185-215-250-280-320-370-500-560bp AR 903-1053-1203-1604 BHS 90-105-120
620080	Membrana pompa Ø <sub>e</sub> 96	Gomma NBR	AR 30-503
620082	Membrana pompa Ø <sub>e</sub> 96	Blueflex™	AR 30-503
620085	Membrana pompa Ø <sub>e</sub> 96	Desmopan®	AR 30-503
620081	Membrana pompa Ø <sub>e</sub> 96	Viton®	AR 30-503
650082	Membrana pompa Ø <sub>e</sub> 111	Gomma NBR	AR 50
650080	Membrana pompa Ø <sub>e</sub> 111	Blueflex™	AR 50
650085	Membrana pompa Ø <sub>e</sub> 111	Desmopan®	AR 50
650081	Membrana pompa Ø <sub>e</sub> 111	Viton®	AR 50
650670	Membranina aspirazione	Gomma NBR	AR 70 bp - AR 30-50
650671	Membranina aspirazione	Blueflex™	AR 70 bp - AR 30-50
1040081	Membrana pompa Ø <sub>e</sub> 105	Gomma NBR	AR 80 bp - AR 713-813-1064 - BHS 95
1040083	Membrana pompa Ø <sub>e</sub> 105	Blueflex™	AR 80 bp - AR 713-813-1064 - BHS 95
1040080	Membrana pompa Ø <sub>e</sub> 105	Desmopan®	AR 80 bp - AR 713-813-1064 - BHS 95
1040082	Membrana pompa Ø <sub>e</sub> 105	Viton®	AR 80 bp - AR 713-813-1064 - BHS 95
1200080	Membrana pompa Ø <sub>e</sub> 55	Gomma NBR	AR DUE
1200081	Membrana pompa Ø <sub>e</sub> 55	Blueflex™	AR DUE
1200085	Membrana pompa Ø <sub>e</sub> 55	Desmopan®	AR DUE
1200191	Membrana camera aria Ø <sub>e</sub> 65	Blueflex™	AR DUE
1200190	Membrana camera aria Ø <sub>e</sub> 66	Gomma NBR	AR DUE
2240080	Membrana pompa Ø <sub>e</sub> 120	Gomma NBR	BHS/BHA/BHP 130-150-170-200
2240081	Membrana pompa Ø <sub>e</sub> 120	Blueflex™	BHS/BHA/BHP 130-150-170-200
2240085	Membrana pompa Ø <sub>e</sub> 120	Desmopan®	BHS/BHA/BHP 130-150-170-200
3040080	Membrana pompa Ø <sub>e</sub> 145	Gomma NBR	AR 245-275-330-380-410-460-660-740-760-820-840-920bp
3040083	Membrana pompa Ø <sub>e</sub> 145	Blueflex™	AR 245-275-330-380-410-460-660-740-760-820-840-920bp
3040085	Membrana pompa Ø <sub>e</sub> 145	Desmopan®	AR 245-275-330-380-410-460-660-740-760-820-840-920bp
800080	Membrana pompa Ø <sub>e</sub> 72	Gomma NBR	AR 202-252-303-403
800082	Membrana pompa Ø <sub>e</sub> 72	Blueflex™	AR 202-252-303-403
800085	Membrana pompa Ø <sub>e</sub> 72	Desmopan®	AR 202-252-303-403
800086	Membrana pompa Ø <sub>e</sub> 72	H.P.D.S.	AR 202-252-303-403
800081	Membrana pompa Ø <sub>e</sub> 72	Viton®	AR 202-252-303-403
3120080	Membrana pompa Ø <sub>e</sub> 90	Gomma NBR	AR 45 bp - AR 75 bp
3120082	Membrana pompa Ø <sub>e</sub> 90	Blueflex™	AR 45 bp - AR 75 bp
3120085	Membrana pompa Ø <sub>e</sub> 90	Desmopan®	AR 45 bp - AR 75 bp
3120081	Membrana pompa Ø <sub>e</sub> 90	Viton®	AR 45 bp - AR 75 bp
550190	Membrana camera aria Ø <sub>e</sub> 110	Gomma NBR	AR 70-115-125-135-145-160-185-215-250-280-320-370-500-560bp AR 245-275-330-380-410-460-660-740-760-820-840-920bp AR 30-903-1053-1203-1604 BHS/BHA/BHP 130-150-170-200
550194	Membrana camera aria Ø <sub>e</sub> 110	Blueflex™	AR 70-115-125-135-145-160-185-215-250-280-320-370-500-560bp AR 245-275-330-380-410-460-660-740-760-820-840-920bp AR 30-903-1053-1203-1604 BHS/BHA/BHP 130-150-170-200
550192	Membrana camera aria Ø <sub>e</sub> 110	Viton®	AR 70-115-125-135-145-160-185-215-250-280-320-370-500-560bp AR 245-275-330-380-410-460-660-740-760-820-840-920bp AR 30-903-1053-1203-1604 BHS/BHA/BHP 130-150-170-200
800190	Membrana camera aria Ø <sub>e</sub> 94	Gomma NBR	AR 202-252 - AR 80-120-140-160-185bp LFP - BHS 90-105-120 - BHS 95
800192	Membrana camera aria Ø <sub>e</sub> 94	Blueflex™	AR 202-252 - AR 80-120-140-160-185bp LFP - BHS 90-105-120 - BHS 95
800191	Membrana camera aria Ø <sub>e</sub> 94	Viton®	AR 202-252 - AR 80-120-140-160-185bp LFP - BHS 90-105-120 - BHS 95
650520	Membrana camera aria Ø <sub>e</sub> 125	Gomma NBR	AR 50
650523	Membrana camera aria Ø <sub>e</sub> 125	Blueflex™	AR 50





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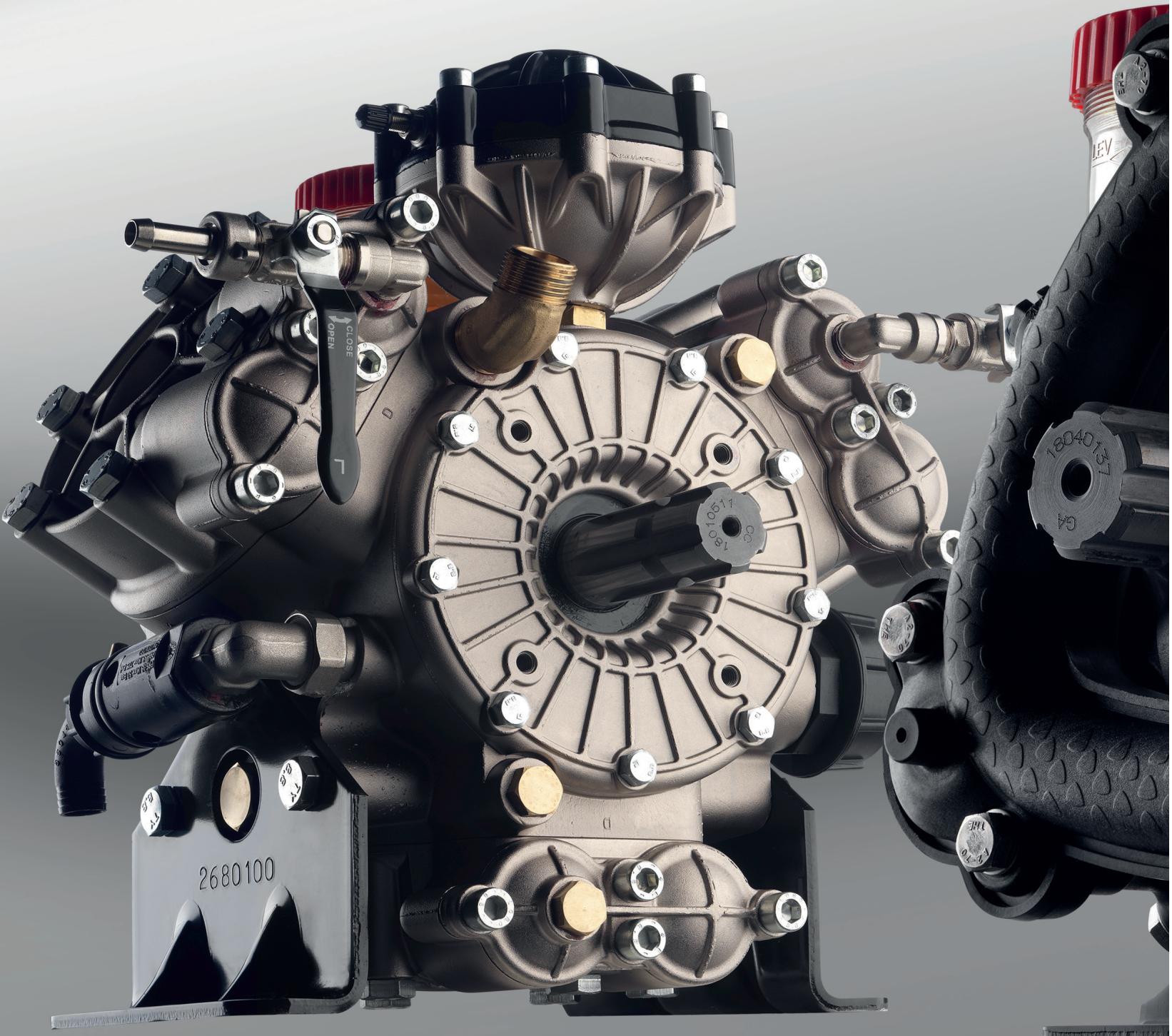


Bassa Pressione <i>low pressure</i>	AR 45 LFP	●	●			●		18
<b>NEW</b>	<b>AR 75 LFP</b>	●	●			●		20
	<b>AR 80 LFP</b>	●	●			●		22
	<b>AR 120 LFP</b>	●	●			●		24
	<b>AR 140 LFP</b>	●	●			●		24
	<b>AR 160 LFP</b>	●	●			●		26
	<b>AR 185 LFP</b>	●	●			●		26
	<b>AR 245 LFP</b>	●	●			●		28
	<b>AR 275 LFP</b>	●	●			●		28
	<b>AR 330 LFP</b>	●	●			●		30
	<b>AR 380 LFP</b>	●	●			●		30
	<b>AR 410 LFP</b>	●	●			●		32
	<b>AR 460 LFP</b>	●	●			●		32
	<b>AR 45 BP</b>	●	●					36
	<b>AR 70 BP</b>	●	●					38
<b>NEW</b>	<b>AR 75 BP</b>	●	●					40
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	<b>AR 120 BP</b>	●	●					48
	<b>AR 140 BP</b>	●	●					48
	<b>AR 125 BP</b>	●	●					50
	<b>AR 145 BP</b>	●	●					50
	<b>AR 160 BP</b>	●	●					52
	<b>AR 185 BP</b>	●	●					54
	<b>AR 215 BP</b>	●	●					56
	<b>AR 250 BP</b>	●	●					58
	<b>AR 280 BP</b>	●	●					58
	<b>AR 245 BP</b>	●	●					60
	<b>AR 275 BP</b>	●	●					60
	<b>AR 330 BP</b>	●	●					62
	<b>AR 380 BP</b>	●	●					62
	<b>AR 410 BP</b>	●	●					64
	<b>AR 460 BP</b>	●	●					64
	<b>AR 320 BP TWIN</b>	●	●					66
	<b>AR 370 BP TWIN</b>	●	●					66
	<b>AR 500 BP TWIN</b>	●	●					68
	<b>AR 560 BP TWIN</b>	●	●					68
	<b>AR 320 BP TWIN TOP</b>	●	●					70
	<b>AR 370 BP TWIN TOP</b>	●	●					70



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Bassa Pressione low pressure	AR 500 BP TWIN TOP		●	●			72
	AR 560 BP TWIN TOP		●	●			72
	AR 660 BP BIG TWIN		●	●			74
	AR 760 BP BIG TWIN		●	●			74
	AR 740 BP BIG TWIN		●	●			76
	AR 840 BP BIG TWIN		●	●			76
	AR 820 BP BIG TWIN		●	●			78
Media Pressione medium pressure	AR 920 BP BIG TWIN		●	●			78
	AR DUE			●	●	●	94
	AR 202			●	●	●	96
	AR 252		●		●	●	96
	AR 303			●	●	●	100
	AR 403			●	●	●	100
	AR 503		●		●	●	102
Alta Pressione high pressure	AR 30			●	●	●	104
	AR 40		●		●	●	106
	AR 50			●	●	●	108
	AR 713				●	●	128
	AR 813				●	●	128
	AR 1064				●	●	130
	AR 903				●	●	132
	AR 1053				●	●	132
	AR 1203				●	●	132
	AR 1604				●	●	134
	NEW AR 1203 NI				●	●	136
	NEW AR 1604 NI				●	●	138
	BHA 130				●	●	142
	BHA 150				●	●	142
	BHA 170				●	●	144
	BHA 200				●	●	144
	BHP 130				●	●	146
	BHP 150				●	●	146
	BHP 170				●	●	148
	BHP 200				●	●	148
	NEW BHS 95				●	●	152
	BHS 90				●	●	154
	BHS 105				●	●	154
	BHS 120				●	●	154
	BHS 130				●	●	156
	BHS 150				●	●	156
	BHS 170				●	●	158
	BHS 200				●	●	158





AR 750  
42-70  
THE

AR 750R

Cod. 010010

www.pirelli.it

PY. ARS. VOL. NAE. 10

4800060

# BASSA PRESSIONE

*Low Pressure*





## AR 45 LFP

### Serie POLIPROPILENE LFP polypropylene LFP series

#### BASSA PRESSIONE

low pressure



diserbo  
spraying



deicing



fertilizzanti  
liquidi  
liquid  
fertilizers

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AR 45 bp con viteria in Geomet,  
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AR 45 bp with Geomet fasteners,  
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AR 45 LFP



C

SP

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#### Caratteristiche Generali

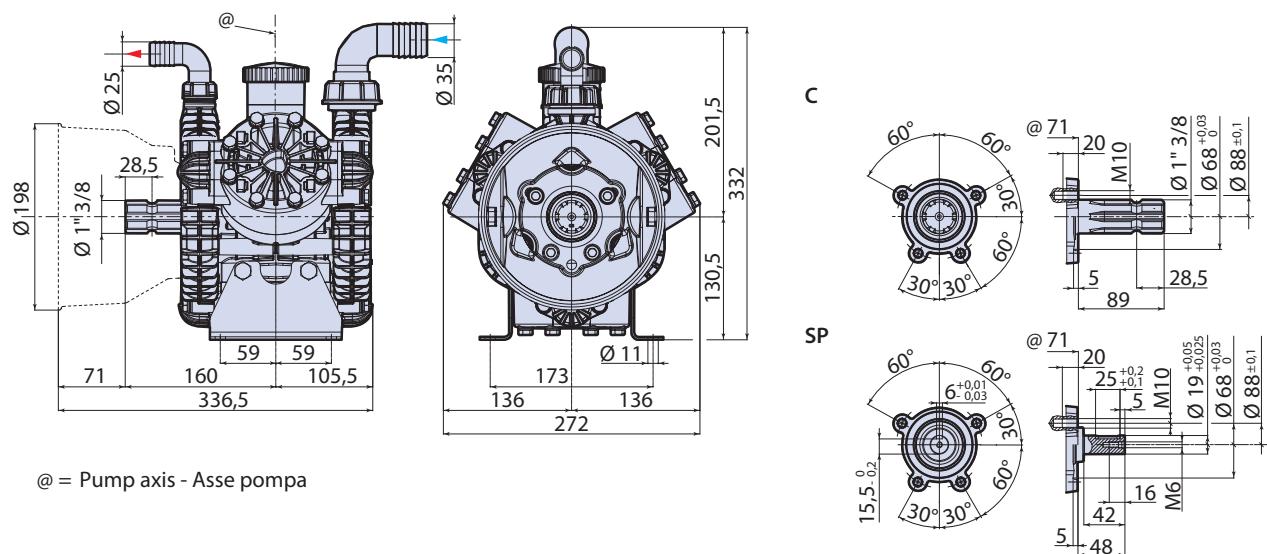
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Polipropilene rinforzato, Kynar e AISI 316L. Membrane in **BlueFlex™**. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di cuffia di protezione cardano.

#### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Polypropylene, Kynar and AISI 316 L. Diaphragms in **BlueFlex™**. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storager. Cardan protection.



MI 91397  
DI 3128500  
CM 3128608  
sp\_ar45fp\_bp.pdf



MOD	COD		MAX	MAX	RPM	N°giri/1'	°C	°F	kg	lb	
	C	SP	l/min	gpm	bar	psi					
<b>AR 45 LFP</b>	<b>32002</b>	<b>32003</b>	43,3	11,4	20	290	550	60	140	11	24,3

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX	RPM									
	400		450		500		550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 45 LFP</b>										
0	0	32,2	8,5	0,2	35,6	9,4	0,3	39,5	10,4	0,3
5	72	31,2	8,2	0,5	34,6	9,1	0,6	38,5	10,2	0,7
10	145	31,1	8,2	0,9	34,5	9,1	1,0	38,2	10,1	1,1
15	218	30,5	8,1	1,2	34,5	9,1	1,4	37,7	10,0	1,5
20	290	29,5	7,8	1,5	34,2	9,0	1,7	37,0	9,8	1,9



## AR 75 LFP

### Serie NYLON LFP nylon LFP series

NEW

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

### BASSA PRESSIONE

low pressure



diserbo  
spraying



deicing



fertilizzanti  
liquidi  
liquid  
fertilizers



AR 75 LFP



BlueFlex



C



SP



AP C/C

AR 75 bp con viteria in Geomet,  
vedi pag. 40.

AR 75 bp with Geomet fasteners,  
see page 40.

### Caratteristiche Generali

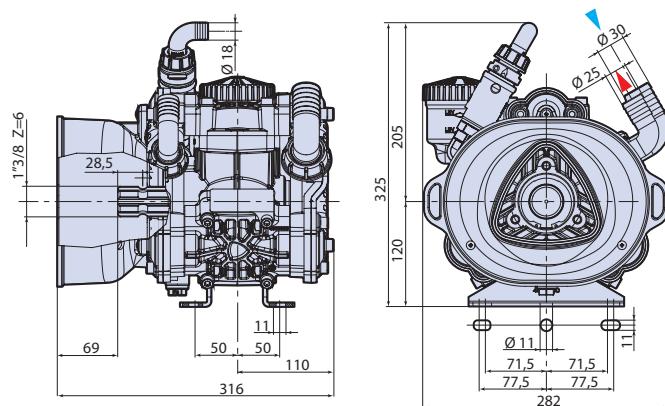
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 316L. Membrane in **BlueFlex™**. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarma e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 316 L. Diaphragms in **BlueFlex™**. Seals in Viton® AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm and cardan protection.



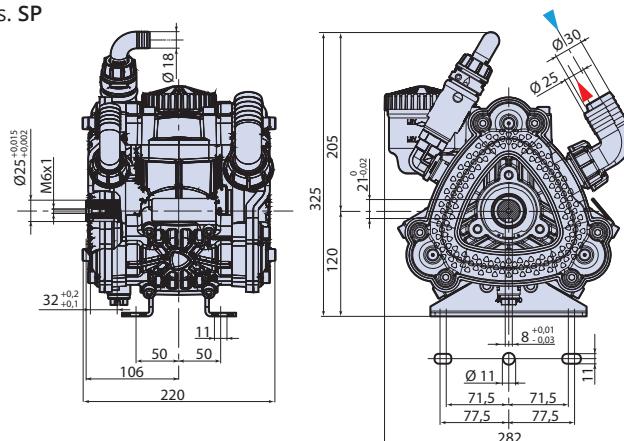
Vers. C



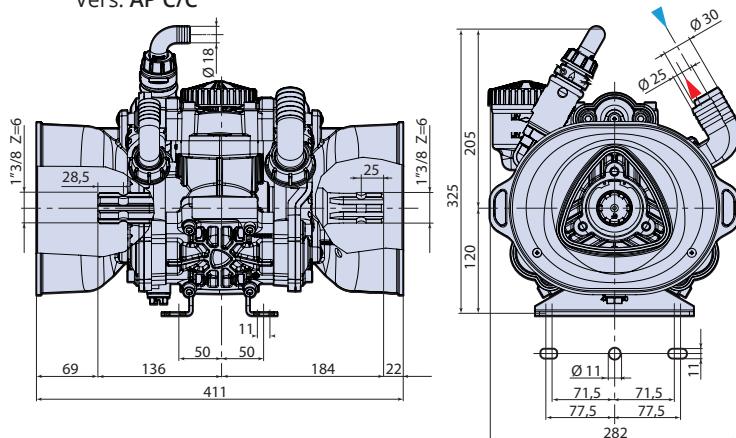
MI 95096  
DI 4808500 AR75SC  
DI 4808501 AR75SP  
DI 4808502 AR75C/C

CM 4808600-1-3-4-5-6  
sp\_ar75LFP\_bp.pdf

Vers. SP



Vers. AP C/C



MOD	COD			MAX	MAX	RPM	°C	°F	kg	lb
	C	SP	AP C/C							
AR 75 LFP	33156	33172	33175	70	18,5	15	218	550	60	140
									9,5	20,9

Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

MAX	400					450					500					550				
	bar	psi	l/min	gpm	HP	l/min	gpm	HP												
AR 75 LFP	0	0	50,4	13,3	0,3	56,6	15,0	0,4	62,5	16,5	0,6	68,9	18,2	0,7						
	5	72	50,1	13,2	0,8	55,5	14,7	0,8	61,4	16,2	1,0	67,7	17,9	1,1						
	10	145	49,5	13,1	1,3	55,1	14,6	1,5	61,2	16,2	1,7	67,0	17,7	1,9						
	15	218	47,4	12,5	1,9	54,5	14,4	2,1	61,0	16,1	2,3	66,5	17,6	2,6						



## AR 80 LFP

Serie POLIPROPILENE LFP  
polypropylene LFP series

BASSA PRESSIONE

low pressure



diserbo  
spraying



deicing  
deicing



fertilizzanti  
liquidi  
liquid  
fertilizers

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.

AR 80 bp con viteria in Geomet,  
vedi pag. 42.

AR 80 bp with Geomet fasteners,  
see page 42.

**B**  
BlueFlex



AR 80 LFP



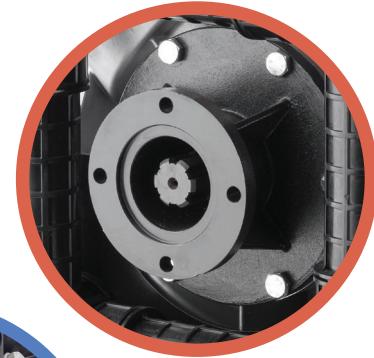
C



SP



AP SP/C



Applicazioni / Applications  
IDM > pag. 186.

### Caratteristiche Generali

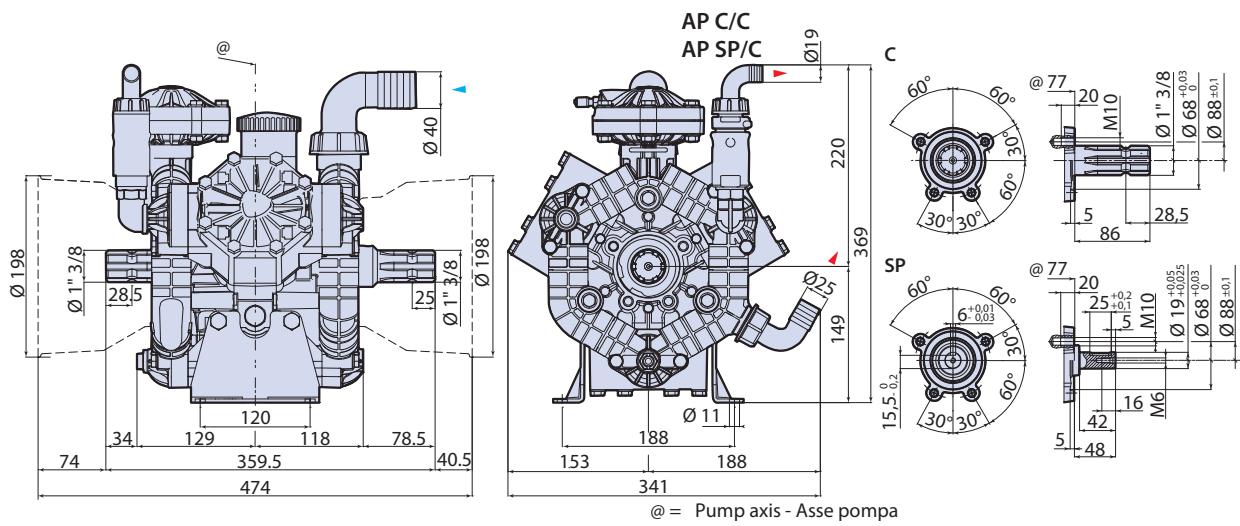
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Polipropilene rinforzato, Kynar e AISI 316L. Membrane in **BlueFlex™**. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Polypropylene, Kynar and AISI 316 L. Diaphragms in **BlueFlex™**. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



MI 92407  
DI 3248500  
CM 3248606  
sp\_ar80LFP\_bp.pdf



MOD	COD					MAX	MAX	RPM	N°giri/1'	°C	°F	kg	lb
	C	SP	AP SP/C	AP C/C	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
AR 80 LFP	32010	32011	32012	32013	76,4	20,2	20	290	550	60	140	14	30,9

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

MAX	MAX								RPM							
	400				450				500				550			
bar	psi	I/min	gpm	HP	I/min	gpm	HP									
<b>AR 80 LFP</b>																
0	0	57,8	15,3	0,3	64,9	17,1	0,4	71,0	18,8	0,5	76,4	20,2	0,6			
5	72	57,6	15,2	0,8	63,5	16,8	0,9	69,8	18,4	1,0	76,0	20,1	1,1			
10	145	56,8	15,0	1,4	63,4	16,7	1,6	69,7	18,4	1,8	75,4	19,9	1,9			
15	218	56,3	14,9	2,0	63,1	16,7	2,3	68,6	18,1	2,5	73,9	19,5	2,7			
20	290	55,4	14,6	2,5	62,3	16,5	2,8	68,2	18,0	3,1	73,4	19,4	3,4			



## AR 120 LFP - AR 140 LFP

### Serie NYLON LFP nylon LFP series

**BASSA PRESSIONE**  
*low pressure*



diserbo  
spraying



deicing  
deicing



fertilizzanti  
liquidi  
liquid  
fertilizers

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.

AR 120 bp e AR 140 bp con viteria  
in Geomet, vedi pag. 48.

AR 120 bp and AR 140 bp with  
Geomet fasteners, see page 48.



AR 120 LFP



C



SP



AP C/C



Applicazioni / Applications  
IDM > pag.186.

### Caratteristiche Generali

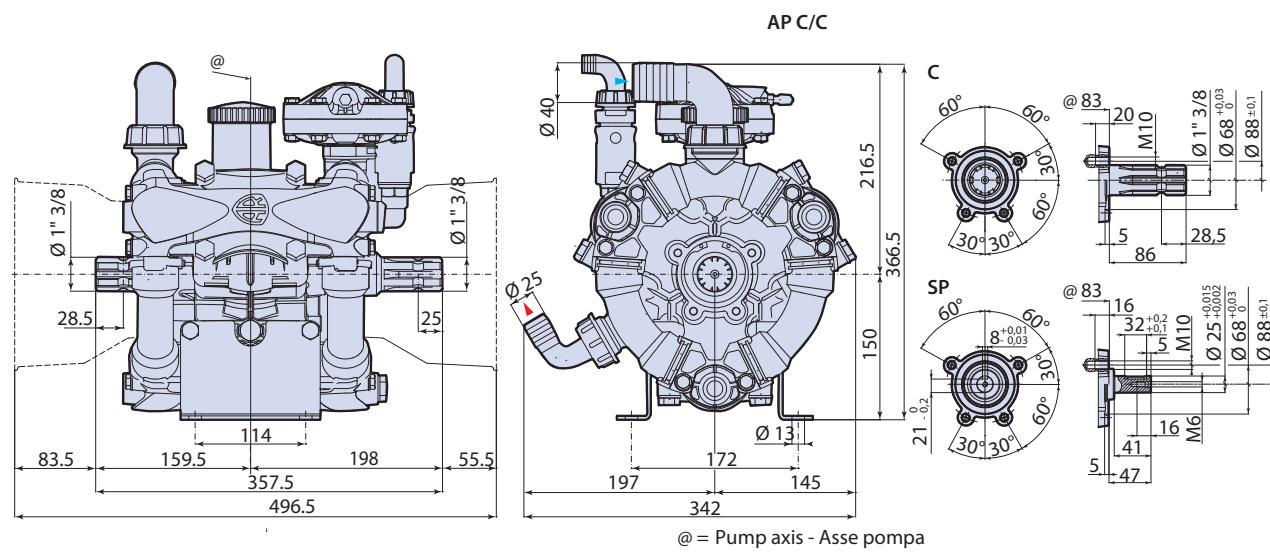
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 316L. Membrane in BlueFlex™. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riammo e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 316 L. Diaphragms in BlueFlex™. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



MI 91437  
D 1346500  
CM 3458603  
sp\_ar120LFP\_ar120pb\_ar140LFP\_ar140pb.pdf



MOD	COD			MAX	MAX	bar	psi	N°giri/1'	°C	°F	kg	lb
	C	SP	AP C/C									
<b>AR 120 LFP</b>	<b>32019</b>	<b>32020</b>	<b>32021</b>	116,7	30,8	15	218	550	60	140	15,6	34,4
<b>AR 140 LFP</b>	<b>32029</b>	<b>32030</b>	<b>32031</b>	132,9	35,1	15	218	550	60	140	15,6	34,4

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

	RPM												
	400			450			500			550			
bar	psi	l/min	gpm	HP									
<b>AR 120 LFP</b>													
0	0	86,4	22,8	0,4	96,8	25,6	0,5	108,0	28,5	0,6	116,7	30,8	0,8
5	72	85,0	22,5	1,3	96,5	25,5	1,5	107,0	28,3	1,6	116,3	30,7	1,9
10	145	84,5	22,3	2,3	96,0	25,4	2,6	105,9	28,0	2,9	115,5	30,5	3,2
15	218	83,4	22,0	3,2	95,3	25,2	3,6	105,5	27,9	4,0	114,0	30,1	4,5
<b>AR 140 LFP</b>													
0	0	100,2	26,5	0,8	111,9	29,6	1,0	124,4	32,9	1,3	132,9	35,1	1,6
5	72	100,0	26,4	1,5	111,1	29,3	1,7	123,3	32,6	2,0	132,5	35,0	2,1
10	145	98,0	25,9	2,6	110,4	29,2	2,9	121,6	32,1	3,4	131,5	34,7	3,7
15	218	97,0	25,6	3,7	108,7	28,7	4,2	120,5	31,8	4,7	129,5	34,2	5,2



## AR 160 LFP - AR 185 LFP

### Serie NYLON LFP nylon LFP series

#### BASSA PRESSIONE

low pressure



diserbo  
spraying



deicing  
deicing



fertilizzanti  
liquidi  
liquid  
fertilizers

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.



AR 160 bp e AR 185 bp,  
vedi pag. 52 e 54.

AR 160 bp and AR 185 bp,  
see page 52, 54.



AR 185 LFP



AP C/C



AP C/F ø25



AP C/F ø32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

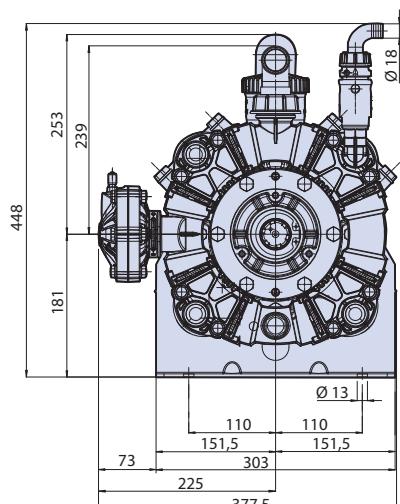
**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 316L. Membrane in BlueFlex™. Tenute in Viton®. Viteria in AISI 304. Completa di valvola di sovrappressione con riammo e cuffia di protezione cardano.

### General Features

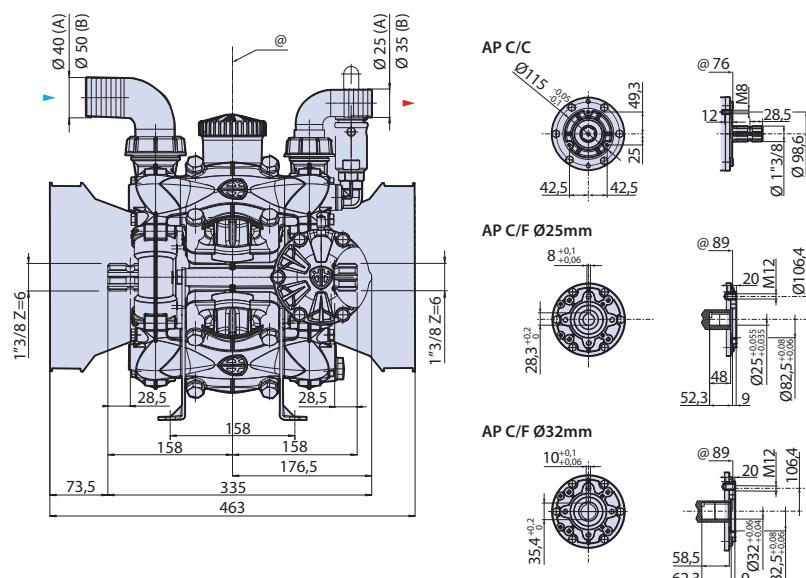
**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 316 L. Diaphragms in BlueFlex™. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



CM768605  
SP\_ar160LFP\_ar185LFP.pdf  
MI91401  
Di768532 AR 145 LFP C/C  
Di768533 AR 160 LFP C/C



(A) = AR160LFP  
(B) = AR185LFP  
@ = Pump axis - Asse pompa



MOD	COD			MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F Ø25	C/F Ø32										
<b>AR 160 AP LFP</b>	<b>31484</b>	<b>32037</b>	<b>31485</b>	166,2	43,9	15	218	550	60	140	25	55,1	
<b>AR 185 AP LFP</b>	<b>31486</b>	<b>32041</b>	<b>31487</b>	182,1	48,1	15	218	550	60	140	25	55,1	

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX	RPM												
	400		450		500		550						
bar	psi	I/min	gpm	HP									
<b>AR 160 LFP</b>													
0	0	122,8	32,4	0,9	138,3	36,5	1,0	151,6	40,0	1,4	166,2	43,9	1,6
5	72	119,5	31,6	2,4	132,2	34,9	2,7	146,6	38,7	3,1	159,8	42,2	3,5
10	145	114,6	30,3	3,7	129,8	34,3	4,2	140,8	37,2	4,6	157,3	41,6	5,1
15	218	110,7	29,3	4,9	125,8	33,2	5,6	137,4	36,3	6,1	152,8	40,4	6,8
<b>AR 185 LFP</b>													
0	0	133,2	35,2	1,1	151,7	40,1	1,4	166,6	44,0	1,6	182,1	48,1	1,9
5	72	129,8	34,3	2,6	146,0	38,6	3,0	160,9	42,5	3,4	177,4	46,9	3,7
10	145	129,4	34,2	4,0	140,8	37,2	4,6	155,9	41,2	5,0	172,2	45,5	5,6
15	218	123,7	32,7	5,3	139,2	36,8	6,1	155,2	41,0	6,7	168,4	44,5	7,4



## AR 245 LFP - AR 275 LFP

Serie NYLON LFP  
nylon LFP series

**BASSA PRESSIONE**

*low pressure*



diserbo  
spraying



deicing  
deicing



fertilizzanti  
liquidi  
liquid  
fertilizers



AR 245 bp e AR 275 bp,  
vedi pag. 60.

AR 245 bp and AR 275 bp,  
see page 60.

AR 275 LFP



AP C/C



AP C/F Ø32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

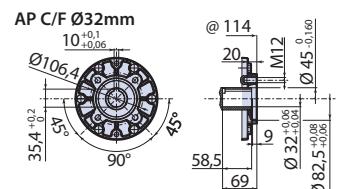
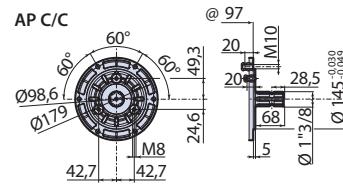
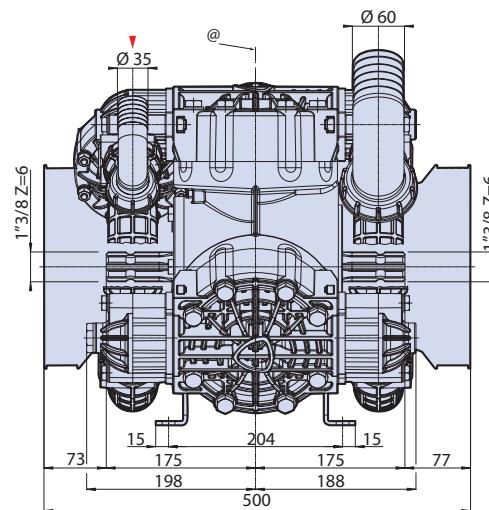
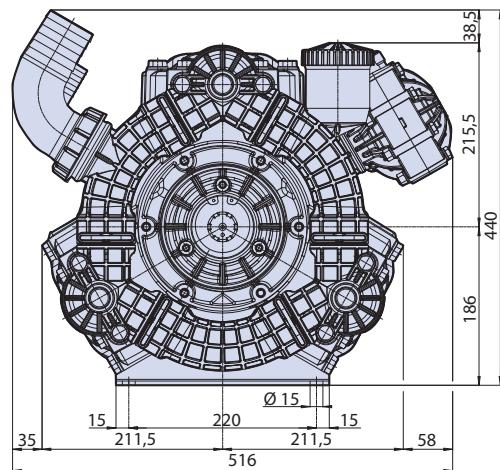
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 316L. Membrane in BlueFlex™. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 316 L. Diaphragms in BlueFlex™. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection.



MI 92820  
DI 3308500  
CM 3308601  
sp\_ar245LFP\_ar275LFP.pdf



@ = Pump axis - Asse pompa

MOD	COD		MAX	MAX	RPM	°C	°F	kg	lb
	C/C	C/F ø32							
<b>AR 245 AP LFP</b>	<b>31456</b>	<b>31457</b>	242,3	64	15	218	550	60	140
<b>AR 275 AP LFP</b>	<b>31462</b>	<b>31463</b>	273,6	72,3	15	218	550	60	140

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX	400					450					500					550				
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP			
<b>AR 245 LFP</b>																				
0	0	177,5	46,9	0,7	198,6	52,4	0,7	220,6	58,3	1,2	242,3	64,0	1,6							
5	72	174,6	46,1	2,5	195,6	51,7	2,9	218,7	57,8	3,3	239,9	63,4	3,7							
10	145	174,0	46,0	4,5	192,7	50,9	5,1	215,8	57,0	5,7	237,1	62,6	6,4							
15	218	171,8	45,4	6,4	191,1	50,5	7,2	212,3	56,1	8,1	234,9	62,1	9,0							
<b>AR 275 LFP</b>																				
0	0	203,1	53,7	1,0	230,3	60,8	1,3	253,7	67,0	1,7	273,6	72,3	2,2							
5	72	202,3	53,4	3,0	229,4	60,6	3,4	252,9	66,8	3,9	272,1	71,6	4,5							
10	145	197,9	53,1	5,3	226,4	59,8	6,0	252,6	66,7	6,9	269,2	71,1	7,5							
15	218	199,6	52,7	7,5	225,9	59,7	8,7	252,5	66,7	9,8	267,4	70,7	10,7							



## AR 330 LFP - AR 380 LFP

Serie NYLON LFP  
nylon LFP series

**BASSA PRESSIONE**  
*low pressure*



diserbo  
spraying



deicing



fertilizzanti  
liquidi  
liquid  
fertilizers



AR 330 bp e AR 380 bp,  
vedi pag. 62.

AR 330 bp and AR 380 bp,  
see page 62.

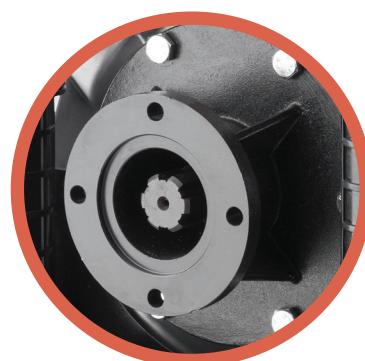
AR 380 LFP



AP C/C



AP C/F Ø32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

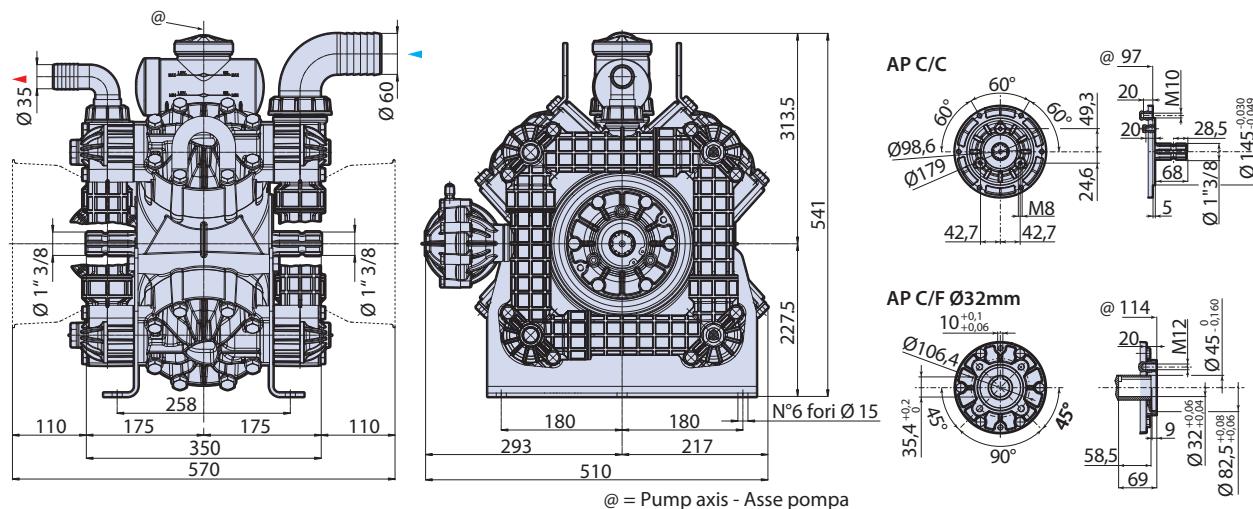
**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 316L. Membrane in **BlueFlex™**. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 316 L. Diaphragms in **BlueFlex™**. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



MI 91804  
CM 3288601  
SP\_ar330\_380bplfp.pdf  
DI 3288500



MOD	COD		MAX	MAX	RPM	°C	°F	kg	lb
	C/C	C/F Ø32							
<b>AR 330 AP LFP</b>	<b>1253</b>	<b>1254</b>	317,9	84	15	218	550	60	140
<b>AR 380 AP LFP</b>	<b>1255</b>	<b>1256</b>	367,7	97,1	15	218	550	60	140

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX	400				450				500				550			
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm
<b>AR 330 LFP</b>																
0	0	236,2	62,4	0,9	261,8	69,2	1,2	288,9	76,3	2,3	317,9	84,0	2,4			
5	72	232,9	61,5	3,1	259,9	68,7	3,5	286,9	75,8	4,3	316,4	83,6	4,5			
10	145	230,5	60,9	5,6	255,5	67,5	6,3	285,3	75,4	7,5	313,9	82,9	8,0			
15	218	229,0	60,5	8,3	254,0	67,1	9,3	284,8	75,2	10,7	313,2	82,7	11,6			
<b>AR 380 LFP</b>																
0	0	274,0	72,4	1,6	304,9	80,5	2,1	334,5	88,4	2,8	367,7	97,1	3,6			
5	72	270,1	71,4	3,9	300,2	79,3	4,4	330,7	87,4	5,1	357,0	94,3	5,6			
10	145	268,2	70,9	7,0	300,1	79,3	7,9	330,0	87,2	8,7	355,3	93,9	9,8			
15	218	266,1	70,3	10,1	297,9	78,7	11,4	327,2	86,4	12,6	355,2	93,8	13,8			



## AR 410 LFP - AR 460 LFP

Serie NYLON LFP  
nylon LFP series

**BASSA PRESSIONE**  
low pressure



diserbo  
spraying



deicing



fertilizzanti  
liquidi  
liquid  
fertilizers



AR 410 bp e AR 460 bp,  
vedi pag. 64.

AR 410 bp and AR 460 bp,  
see page 64.

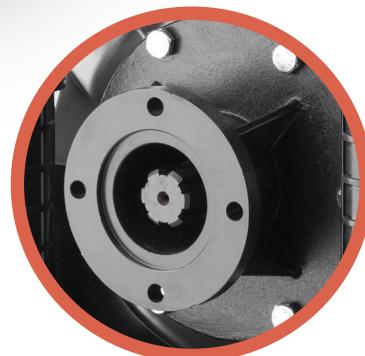
AR 460 LFP



AP C/C



AP C/F Ø32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

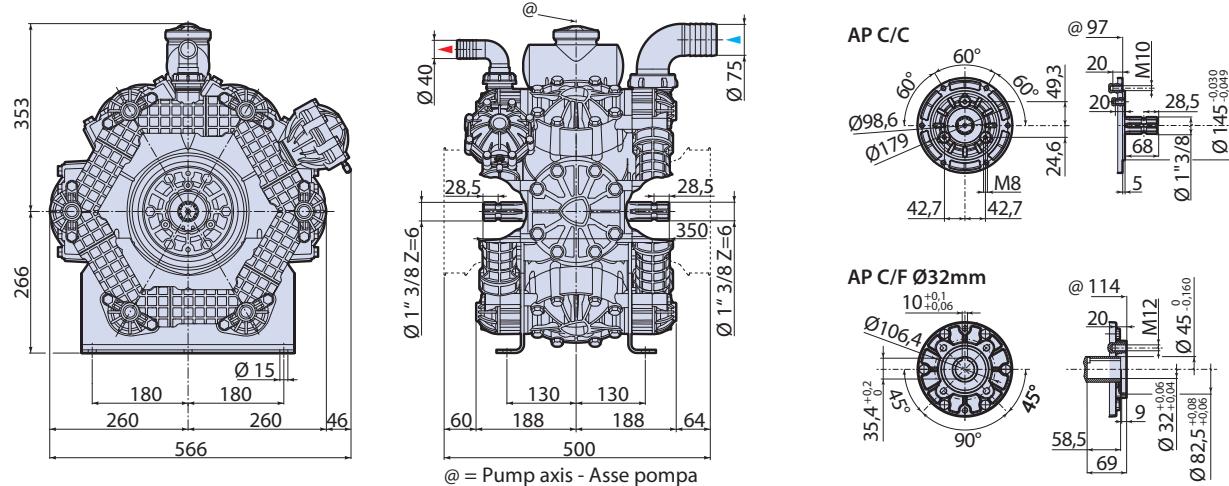
**Pompa a sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 316L. Membrane in BlueFlex™. Tenute in Viton®. Viteria in AISI 304. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

**Semi-hydraulic six-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 316 L. Diaphragms in BlueFlex™. Seals in Viton®. AISI 304 metal fasteners. Plug for drainage of liquid from the circuit winter before. Complete with air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



M191403  
Di 3048500 - 3048501  
CM 3048601  
sp\_ar410\_460bfpp.pdf



MOD	COD		MAX	MAX	RPM		NET				
	C/C	C/F Ø32	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
<b>AR 410 AP LFP</b>	<b>1295</b>	<b>1296</b>	401,2	106	15	218	550	60	140	75,5	166
<b>AR 460 AP LFP</b>	<b>1297</b>	<b>1298</b>	450,3	119	15	218	550	60	140	75,5	166

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX	RPM												
	400		450		500		550						
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 410 LFP</b>													
0	0	289,9	76,6	1,9	329,5	87,0	2,4	367,4	97,1	3,2	401,2	106,0	4,0
5	72	288,4	76,2	4,2	326,4	86,2	4,7	366,6	96,8	5,4	399,8	105,6	6,0
10	145	288,3	76,2	7,4	323,3	85,4	8,3	363,5	96,0	9,4	395,8	104,6	10,5
15	218	285,1	75,3	10,6	323,1	85,4	12,1	360,1	95,1	13,5	393,2	103,9	14,9
<b>AR 460 LFP</b>													
0	0	330,3	87,3	1,2	373,9	98,8	1,6	412,7	109,0	2,1	450,3	119,0	2,8
5	72	327,8	86,6	4,8	372,8	98,5	5,6	411,4	108,7	6,4	448,6	118,5	7,4
10	145	326,4	86,2	8,6	368,8	97,4	9,8	411,2	108,6	11,1	447,0	118,1	12,5
15	218	325,7	86,0	12,2	367,9	97,2	13,9	407,4	107,6	15,7	444,0	117,3	17,4







## AR 45 BP

### Serie POLIPROPILENE polypropylene series

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.

**B**  
BlueFlex



AR 45 bp



C



SP



Applicazioni / Applications  
IDM > pag.186.

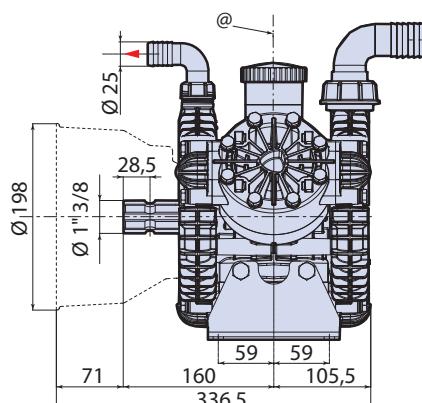
### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Polipropilene rinforzato, Kynar e AISI 303/304. Membrane in NBR, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di cuffia di protezione cardano.

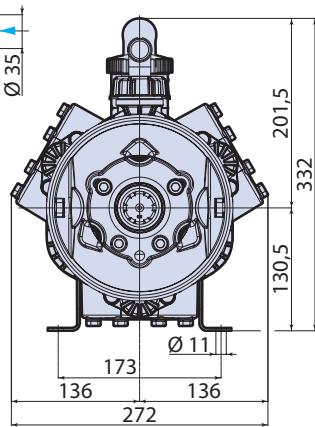
### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Polypropylene, Kynar and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or BlueFlex™. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Cardan protection.

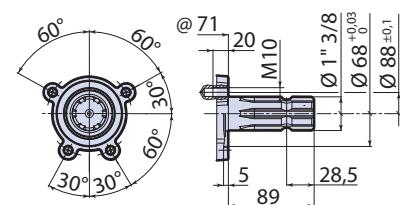
MI 91397  
DI 3128500  
CM 3128603  
sp\_ar45fp\_bp.pdf



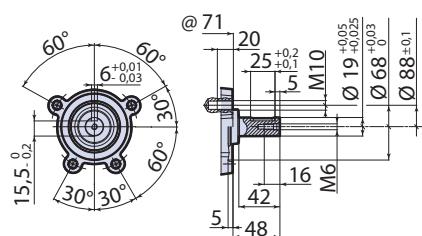
@ = Pump axis - Asse pompa



C



SP



MOD	COD		MAX	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C	SP										
<b>AR 45 bp NBR</b>	<b>1267</b>	<b>1268</b>		43,3	11,4	20	290	550	60	140	11	24,3
<b>AR 45 bp B</b>	<b>32000</b>	<b>32001</b>		43,3	11,4	20	290	550	60	140	11	24,3

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

MAX													
	400			450			500			550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 45 bp</b>													
0	0	32,2	8,5	0,2	35,6	9,4	0,3	39,5	10,4	0,3	43,3	11,4	0,4
5	72	31,2	8,2	0,5	34,6	9,1	0,6	38,5	10,2	0,7	41,5	11,0	0,8
10	145	31,1	8,2	0,9	34,5	9,1	1,0	38,2	10,1	1,1	41,4	10,9	1,2
15	218	30,5	8,1	1,2	34,5	9,1	1,4	37,7	10,0	1,5	40,7	10,7	1,7
20	290	29,5	7,8	1,5	34,2	9,0	1,7	37,0	9,8	1,9	40,1	10,6	2,1



## AR 70 BP

### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.



AR 70 bp

### BASSA PRESSIONE low pressure



diserbo  
spraying



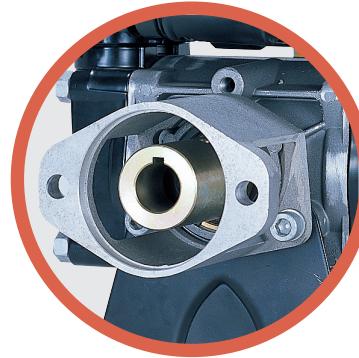
deicing  
deicing



C



SP



Applicazioni / Applications  
IDM > pag.186.

### Caratteristiche Generali

**Pompa a due membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Completa di valvola di sovrappressione con riarmo, camera aria, compensatore di pulsazioni in aspirazione e cuffia di protezione cardano.

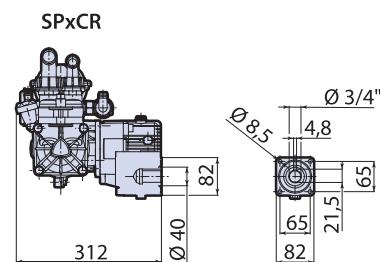
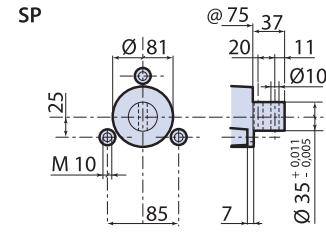
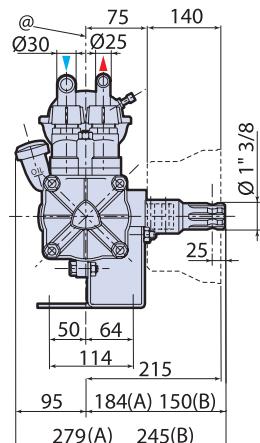
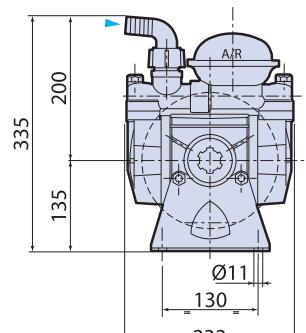
### General Features

**Semi-hydraulic two-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Complete with safety valve with re-arm, air chamber, suction pulsation dampener and cardan protection.



MI 91398  
DI 558500

CM 558600  
sp\_ar70bp.pdf



A = C/w cardan • Con appl.C  
B = Integral shaft • Albero integrale  
@ = Pump axis • Asse pompa

With reduction gear - Con riduttore

MOD	COD		MAX	MAX	bar	psi	N°giri/1'	°C	°F	kg	lb
	C	SP									
<b>AR 70 bp NBR</b>	<b>1200</b>	<b>1201</b>	74,1	19,6	20	290	550	60	140	11,8	26
<b>AR 70 bp B</b>	<b>32004</b>	<b>32005</b>	74,1	19,6	20	290	550	60	140	11,8	26

**B** Pomp con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pomp con Membrane in NBR  
Pumps with NBR diaphragm

MAX	RPM									
	400		450		500		550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 70 bp</b>										
0	0	57,1	15,1	0,4	63,7	16,8	0,4	69,4	18,3	0,5
5	72	47,9	12,7	0,8	53,2	14,1	0,9	58,8	15,5	1,1
10	145	46,9	12,4	1,3	52,6	13,9	1,6	57,3	15,1	1,7
15	218	46,3	12,2	2,0	52,2	13,8	2,3	57,1	15,1	2,4
20	290	45,7	12,1	2,5	51,8	13,7	2,8	56,9	15,0	3,1



## AR 75 BP

### Serie NYLON nylon series

NEW

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

**B**  
BlueFlex



C



SP



AP C/C

### Caratteristiche Generali

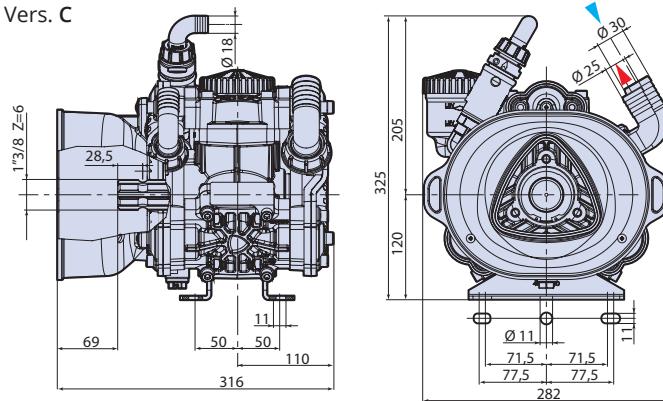
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 303/304. Membrane in NBR, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm and cardan protection.

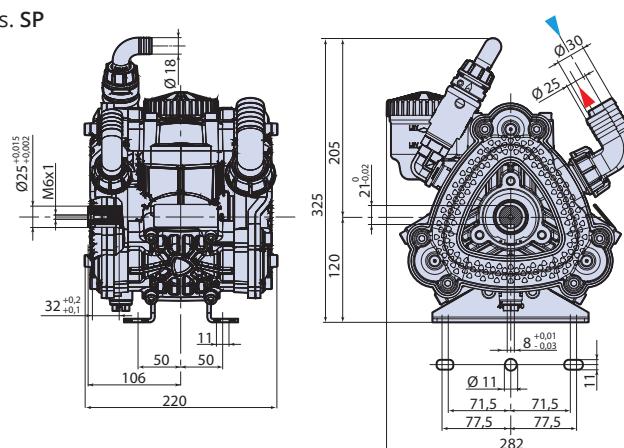


Vers. C



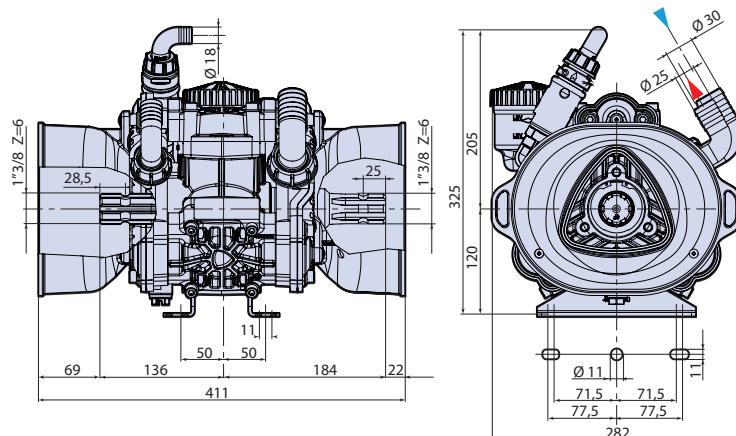
MI 95096  
DI 4808500 AR75C  
DI 4808501 AR75SP  
DI 4808502 AR75C/C

Vers. SP



CM 4808600-1-3-4-5-6  
sp\_ar75LFP\_bp.pdf

Vers. AP C/C



MOD	COD			MAX	MAX	RPM	°C	°F	kg	lb
	C	SP	AP C/C							
AR 75 bp NBR	33184	33185	33190	70	18,5	15	218	550	60	140
AR 75 bp B	33155	33171	33174	70	18,5	15	218	550	60	140

B Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

NBR Pompa con Membrane in NBR  
Pumps with NBR diaphragm

	MAX	400					450					500					550				
		bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP			
<b>AR 75 bp</b>																					
0	0	50,4	13,3	0,3	56,6	15,0	0,4	62,5	16,5	0,6	68,9	18,2	0,7								
5	72	50,1	13,2	0,8	55,5	14,7	0,8	61,4	16,2	1,0	67,7	17,9	1,1								
10	145	49,5	13,1	1,3	55,1	14,6	1,5	61,2	16,2	1,7	67,0	17,7	1,9								
15	218	47,4	12,5	1,9	54,5	14,4	2,1	61,0	16,1	2,3	66,5	17,6	2,6								



## AR 80 BP

### Serie POLIPROPILENE polypropylene series

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.

**B**  
BlueFlex



AR 80 bp



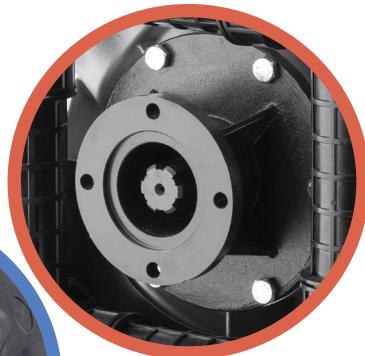
C



SP



AP C/C



Applicazioni / Applications  
IDM > pag.186.

### Caratteristiche Generali

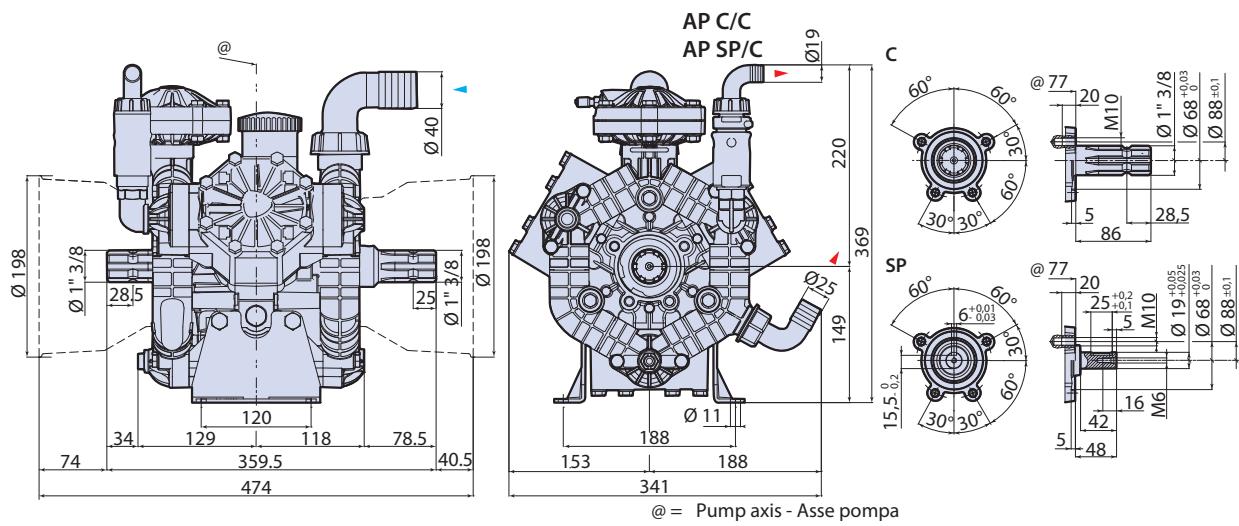
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Polipropilene rinforzato, Kynar e AISI 303/304. Membrane in NBR, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Polypropylene, Kynar and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



MI 92407  
DI 3248500  
CM 3248600  
sp\_ar80LFP\_bp.pdf



MOD	COD				MAX	MAX	RPM	N°giri/1'	°C	°F	kg	lb	
	C	SP	AP SP/C	AP C/C									
AR 80 bp NBR	1291	1293	1294	1292	76,4	20,2	20	290	550	60	140	14	30,9
AR 80 bp B	32006	32007	32008	32009	76,4	20,2	20	290	550	60	140	14	30,9

B **Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

NBR **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

MAX	400						450						500						550					
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP				
<b>AR 80 bp</b>																								
0	0	57,8	15,3	0,3	64,9	17,1	0,4	71,0	18,8	0,5	76,4	20,2	0,6											
5	72	57,6	15,2	0,8	63,5	16,8	0,9	69,8	18,4	1,0	76,0	20,1	1,1											
10	145	56,8	15,0	1,4	63,4	16,7	1,6	69,7	18,4	1,8	75,4	19,9	1,9											
15	218	56,3	14,9	2,0	63,1	16,7	2,3	68,6	18,1	2,5	73,9	19,5	2,7											
20	290	55,4	14,6	2,5	62,3	16,5	2,8	68,2	18,0	3,1	73,4	19,4	3,4											



## AR 115 BP - AR 115 BP/1000

**Serie ALLUMINIO PLASTIFICATO**  
plastic-coated aluminium series

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.

**BASSA PRESSIONE**  
low pressure



diserbo  
spraying



deicing  
deicing



AR 115 bp



C



SP



Applicazioni / Applications  
IDM > pag.186.

### Caratteristiche Generali

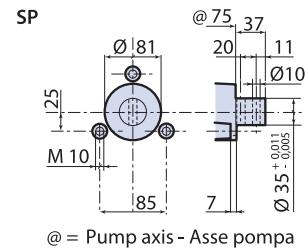
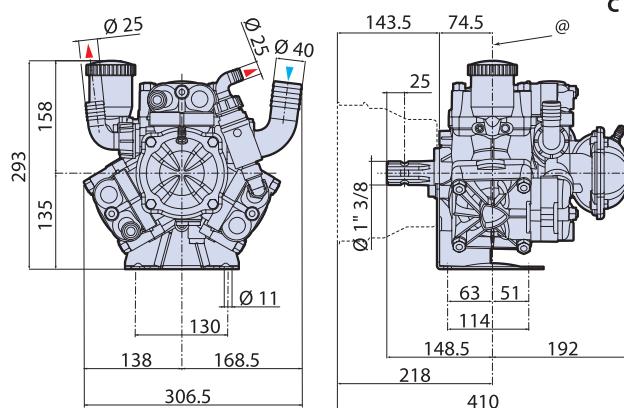
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Completa di valvola di sovrappressione con riammo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Complete with safety valve with re-arm, air chamber and cardan protection.



CM588600  
sp\_ar115bp\_ar135bp\_ar115\_100.  
pdf  
MI91399  
DI588510 - 588511



MOD	COD			MAX		MAX		RPM		°C	°F	kg	lb
	C	SP	l/min	gpm	bar	psi	N°giri/1'						
<b>AR 115 bp NBR</b>	<b>1203</b>	<b>1204</b>	107,9	28,5	20	290	550	60	140	15,5	34,2		
<b>AR 115 bp B</b>	<b>32014</b>	<b>32015</b>	107,9	28,5	20	290	550	60	140	15,5	34,2		
<b>AR 115 bp /1000</b>	<b>1199</b>	-	94	24,8	15	218	1000	60	140	15,5	34,2		

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

	400				450				500				550
bar	psi	l/min	gpm	HP									
<b>AR 115 bp</b>													
0	0	80,9	21,4	0,4	90,1	23,8	0,5	99,7	26,3	0,7	107,9	28,5	0,9
5	72	78,2	20,7	1,2	88,5	23,4	1,5	96,1	25,4	1,6	105,3	27,8	1,9
10	145	77,4	20,4	2,1	87,5	23,1	2,4	95,7	25,3	2,8	104,5	27,6	3,1
15	218	77,1	20,4	3,1	87,0	23,0	3,5	95,0	25,1	3,9	104,3	27,6	4,3
20	290	77,0	20,3	4,0	86,2	22,8	4,6	94,2	24,9	5,1	103,8	27,4	5,5
 <b>AR 115 bp / 1000</b>													
750				900				1000					
bar	psi	l/min	gpm	HP									
0	0	75,0	19,8	0,8	90,5	23,9	1,1	94,0	24,8	1,4			
5	72	73,0	19,3	1,5	87,0	23,0	1,7	91,5	24,2	2,0			
10	145	72,0	19,0	2,3	84,6	22,3	2,7	90,5	23,9	3,1			
15	218	71,0	18,8	3,2	84,0	22,2	3,8	89,0	23,5	4,2			



## AR 135 BP

### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.

**BASSA PRESSIONE**  
low pressure



diserbo  
spraying



deicing  
deicing



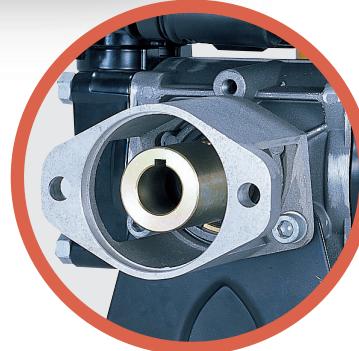
AR 135 bp



C



SP



Applicazioni / Applications  
IDM > pag.186.

### Caratteristiche Generali

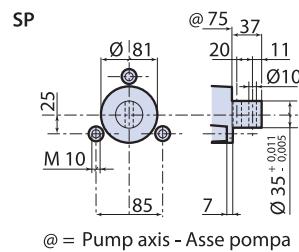
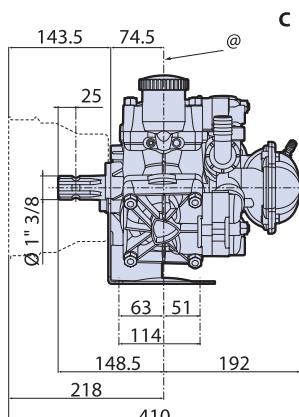
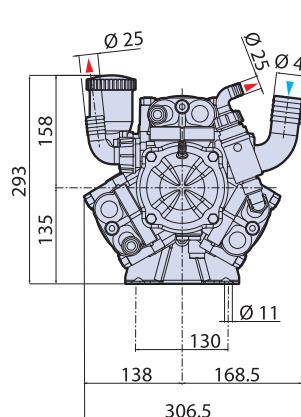
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Complete with safety valve with re-arm, air chamber and cardan protection.



M191399  
Di588510 - 588511  
CM588600  
sp\_ar135bp\_ar135bp\_ar115\_100.pdf



MOD	COD		MAX	MAX	RPM						
	C	SP	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
<b>AR 135 bp NBR</b>	<b>1206</b>	<b>1207</b>	128	33,8	20	290	550	60	140	15,5	34,2
<b>AR 135 bp B</b>	<b>32024</b>	<b>32025</b>	128	33,8	20	290	550	60	140	15,5	34,2

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR** **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

MAX															
	400				450				500				550		
bar	psi	l/min	gpm	HP											
<b>AR 135 bp</b>															
0	0	97,3	25,7	0,7	108,8	28,7	0,9	118,8	31,4	1,2	128,0	33,8	1,6		
5	72	95,6	25,3	1,6	106,5	28,1	1,9	117,6	31,1	2,1	125,8	33,2	2,4		
10	145	95,2	25,1	2,7	106,3	28,1	3,1	117,2	31,0	3,5	125,1	33,0	3,9		
15	218	94,6	25,0	3,8	105,7	27,9	4,3	116,3	30,7	4,8	124,9	33,0	5,2		
20	290	93,4	24,7	4,8	105,3	27,8	5,5	115,7	30,6	6,2	124,7	32,9	6,8		



## AR 120 BP - AR 140 BP

### Serie NYLON LFP nylon LFP series

**BASSA PRESSIONE**  
*low pressure*



diserbo  
spraying



deicing  
deicing

Gruppi comando separato, vedi  
pag. 84.

For remote control units please  
see page 84.

Kit Applicazioni pag. 80.

Application kits,  
see page 80.



AR 120 bp



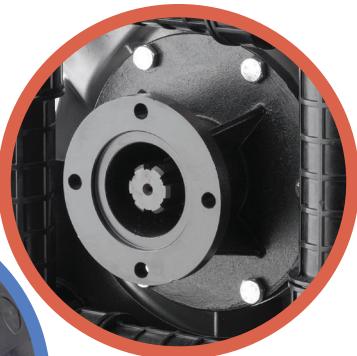
C



SP



AP C/C



Applicazioni / Applications  
IDM > pag.186.

### Caratteristiche Generali

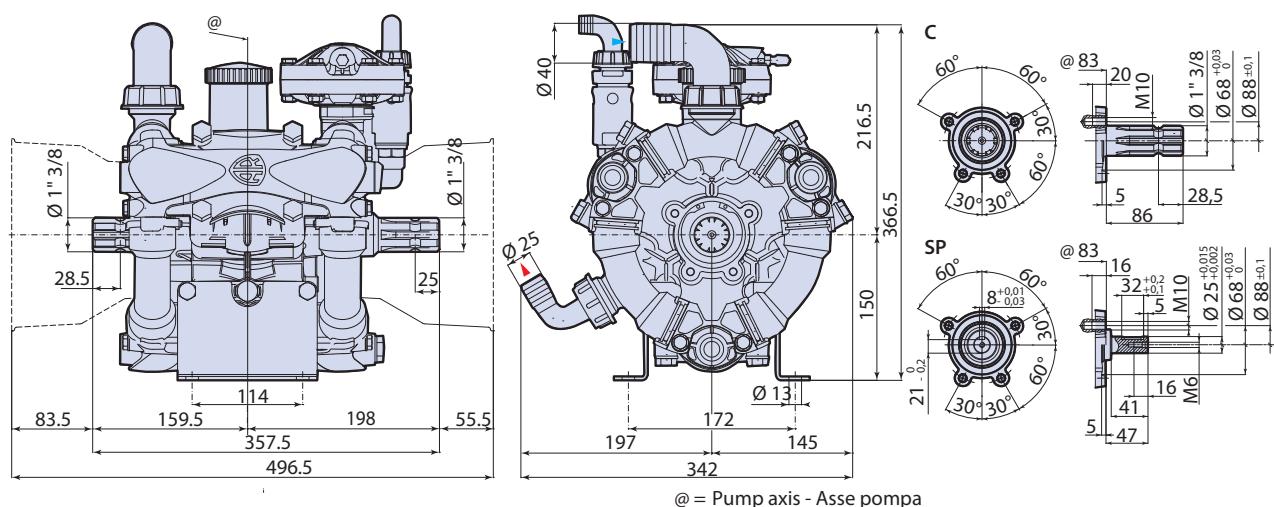
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in Nylon rinforzato, Kynar e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in reinforced Nylon, Kynar and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.

CM 3468600  
SP\_ar120LFP\_ar120pb\_ar140LFP\_ar140bp.pdf  
M 91437  
DI 3468590

### AP C/C



MOD	COD			MAX	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C	SP	AP C/C										
<b>AR 120 bp NBR</b>	<b>1261</b>	<b>1262</b>	<b>1263</b>	116,7	30,8	15	218	550	60	140	15,6	34,4	
<b>AR 120 LFP</b>	<b>32016</b>	<b>32017</b>	<b>32018</b>	116,7	30,8	15	218	550	60	140	15,6	34,4	
<b>AR 140 bp NBR</b>	<b>1264</b>	<b>1265</b>	<b>1266</b>	132,9	35,1	15	218	550	60	140	15,6	34,4	
<b>AR 140 LFP</b>	<b>32026</b>	<b>32027</b>	<b>32028</b>	132,9	35,1	15	218	550	60	140	15,6	34,4	

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

MAX	RPM												
	400		450		500		550						
bar	psi	l/min	gpm	HP									
<b>AR 120 bp</b>													
0	0	86,4	22,8	0,4	96,8	25,6	0,5	108,0	28,5	0,6	116,7	30,8	0,8
5	72	85,0	22,5	1,3	96,5	25,5	1,5	107,0	28,3	1,6	116,3	30,7	1,9
10	145	84,5	22,3	2,3	96,0	25,4	2,6	105,9	28,0	2,9	115,5	30,5	3,2
15	218	83,4	22,0	3,2	95,3	25,2	3,6	105,5	27,9	4,0	114,0	30,1	4,5
<b>AR 140 bp</b>													
0	0	100,2	26,5	0,8	111,9	29,6	1,0	124,4	32,9	1,3	132,9	35,1	1,6
5	72	100,0	26,4	1,5	111,1	29,3	1,7	123,3	32,6	2,0	132,5	35,0	2,1
10	145	98,0	25,9	2,6	110,4	29,2	2,9	121,6	32,1	3,4	131,5	34,7	3,7
15	218	97,0	25,6	3,7	108,7	28,7	4,2	120,5	31,8	4,7	129,5	34,2	5,2



## AR 125 BP - AR 145 BP

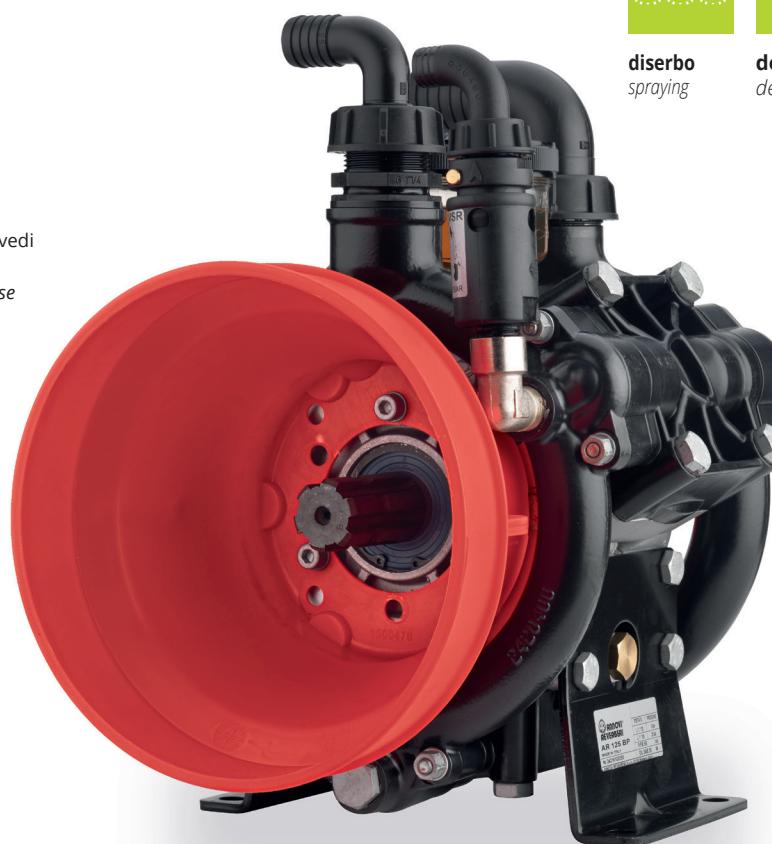
### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.



AR 125 bp



AP C/C



AP C/F 1" 3/8



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

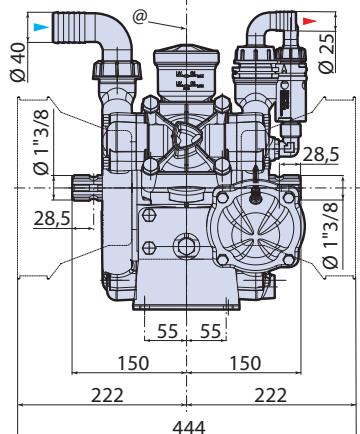
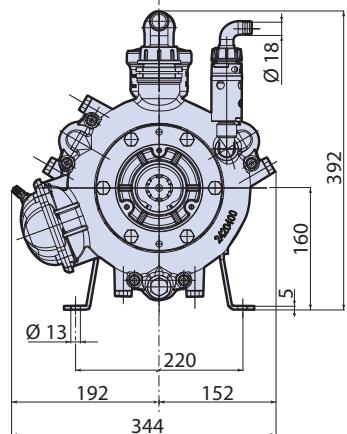
### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.

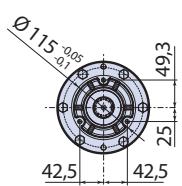


MI 91400  
DI 2428500

CM 2428601  
sp\_ar125bp\_ar145bp.pdf

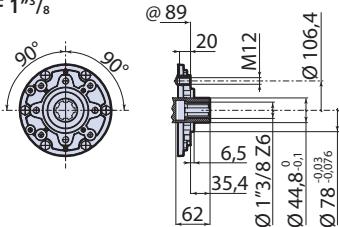


AP C/C



@ = Pump axis - Asse pompa

AP C/F 1 3/8



@ = Pump axis - Asse pompa

MOD	COD		MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F 1"3/8										
<b>AR 125 bp AP NBR</b>	<b>1218</b>	<b>1220</b>		120,4	31,8	20	290	550	60	140	23	50,7
<b>AR 125 bp AP B</b>	<b>32022</b>	<b>32023</b>		120,4	31,8	20	290	550	60	140	23	50,7
<b>AR 145 bp AP NBR</b>	<b>1219</b>	<b>1221</b>		133	35,1	20	290	550	60	140	23	50,7
<b>AR 145 bp AP B</b>	<b>32032</b>	<b>32033</b>		133	35,1	20	290	550	60	140	23	50,7

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

MAX													
	400			450			500			550			
bar	psi	I/min	gpm	HP									
<b>AR 125 bp</b>													
0	0	91,9	24,3	0,7	101,4	26,8	0,8	111,2	29,4	1,1	120,4	31,8	1,2
5	72	87,6	23,1	1,3	97,4	25,7	1,5	107,4	28,4	1,6	116,6	30,8	1,9
10	145	84,5	22,3	2,3	94,1	24,9	2,5	103,2	27,3	2,8	113,2	29,9	3,1
15	218	82,2	21,7	3,2	91,5	24,2	3,6	102,0	26,9	3,9	110,2	29,1	4,3
20	290	81,3	21,5	4,2	90,5	23,9	5,0	97,1	25,7	5,2	108,1	28,6	5,8
<b>AR 145 bp</b>													
0	0	100,2	26,5	0,8	112,4	29,7	1,1	122,8	32,4	1,5	133,0	35,1	1,7
5	72	97,1	25,7	1,5	109,4	28,9	1,7	119,8	31,6	2,0	130,5	34,5	2,1
10	145	94,0	24,8	2,5	105,5	27,9	3,0	115,1	30,4	3,2	125,5	33,2	3,4
15	218	91,5	24,2	3,6	103,6	27,4	4,0	112,7	29,8	4,6	123,4	32,6	5,0
20	290	89,5	23,6	4,7	100,4	26,5	5,2	111,6	29,5	5,8	120,8	31,9	6,3



## AR 160 BP

### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.

### BASSA PRESSIONE

low pressure



diserbo  
spraying



deicing  
deicing



AR 160 bp



AP C/C



AP C/F Ø 25



AP C/F Ø 32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

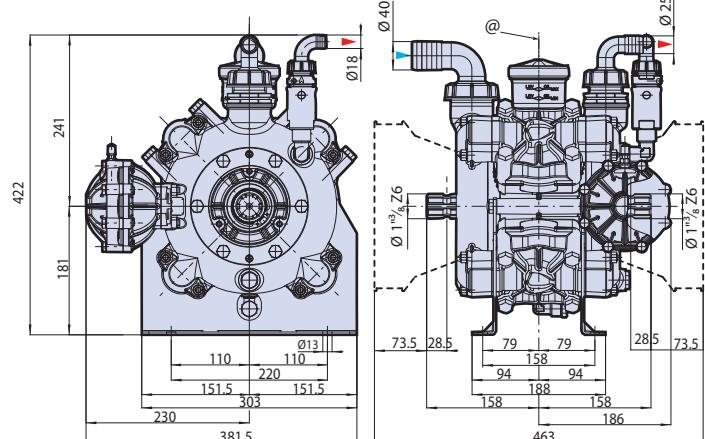
**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

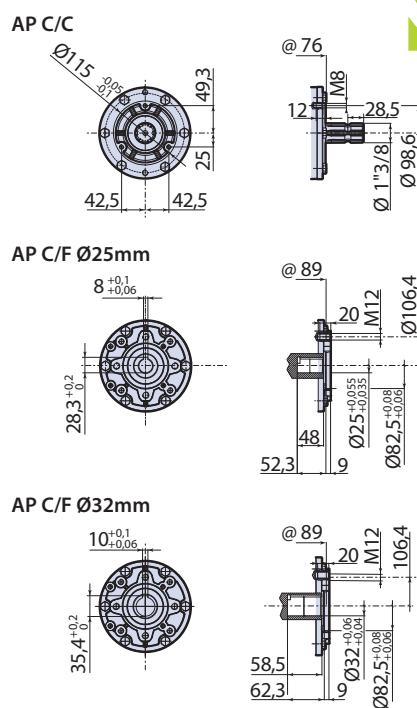
**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



MI91401  
DI76520  
EM768601  
sp\_ar160\_185bp.pdf



@ = Pump axis - Asse pompa



MOD	COD			MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F Ø 25	C/F Ø 32										
<b>AR 160 bp AP NBR</b>	<b>1209</b>	<b>1233</b>	<b>1228</b>		166,2	43,9	20	290	550	60	140	27,5	60,6
<b>AR 160 bp AP B</b>	<b>32034</b>	<b>32035</b>	<b>32036</b>		166,2	43,9	20	290	550	60	140	27,5	60,6

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

MAX													
	400			450			500			550			
bar	psi	I/min	gpm	HP									
<b>AR 160 bp</b>													
0	0	122,8	32,4	0,9	138,3	36,5	1,0	151,6	40,0	1,4	166,2	43,9	1,6
5	72	119,5	31,6	2,4	132,2	34,9	2,7	146,6	38,7	3,1	159,8	42,2	3,5
10	145	114,6	30,3	3,7	129,8	34,3	4,2	140,8	37,2	4,6	157,3	41,6	5,1
15	218	110,7	29,3	4,9	125,8	33,2	5,6	137,4	36,3	6,1	152,8	40,4	6,8
20	290	110,6	29,2	6,1	125,0	33,0	7,0	136,1	36,0	7,6	151,3	40,0	8,4



## AR 185 BP

### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.



AR 185 bp



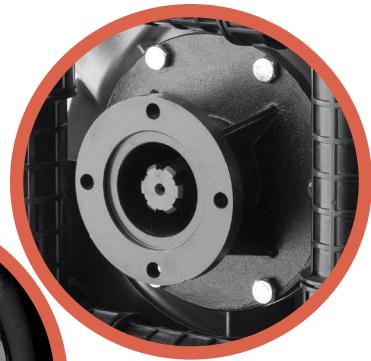
AP C/C



AP C/F Ø 25



AP C/F Ø 32



Applicazioni / Applications  
IDM - IDP > pag. 186.

### Caratteristiche Generali

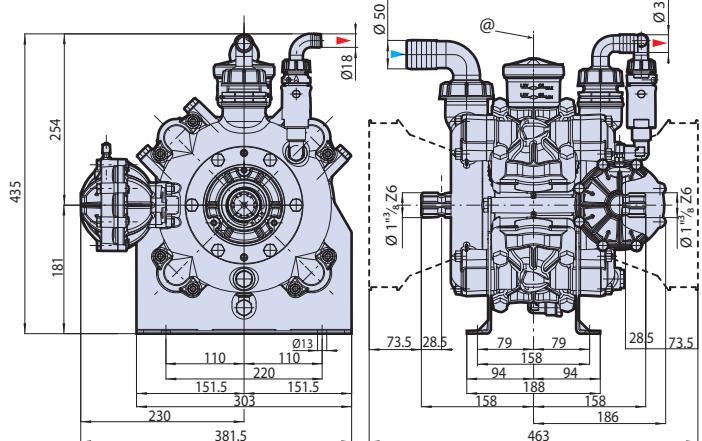
**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

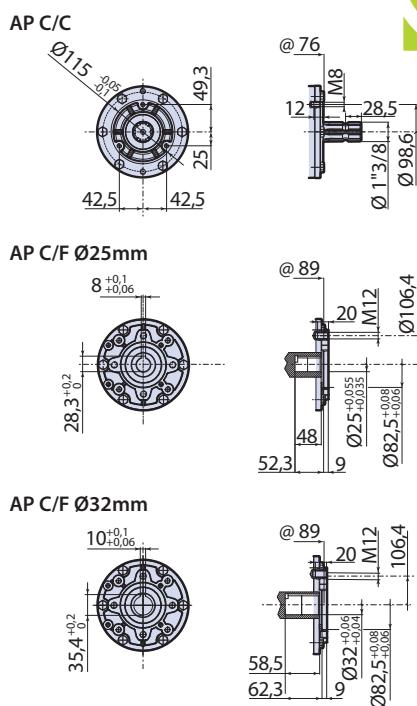
**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



MI91401  
DI76530  
CM768601  
sp\_ar150\_185bp.pdf



@ = Pump axis - Asse pompa



MOD	COD			MAX	MAX	RPM	°C	°F	kg	lb
	C/C	C/F Ø 25	C/F Ø 32							
<b>AR 185 bp AP NBR</b>	<b>1210</b>	<b>1234</b>	<b>1229</b>	182,1	48,1	20	290	550	60	140
<b>AR 185 bp AP B</b>	<b>32038</b>	<b>32039</b>	<b>32040</b>	182,1	48,1	20	290	550	60	140

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm  
**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

MAX	RPM									
	400		450		500		550			
bar	psi	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP
<b>AR 185 bp</b>										
0	0	133,2	35,2	1,1	151,7	40,1	1,4	166,6	44,0	1,6
5	72	129,8	34,3	2,6	146,0	38,6	3,0	160,9	42,5	3,4
10	145	129,4	34,2	4,0	140,8	37,2	4,6	155,9	41,2	5,0
15	218	123,7	32,7	5,3	139,2	36,8	6,1	155,2	41,0	6,7
20	290	121,8	32,2	6,7	137,0	36,2	7,6	153,0	40,4	8,4



## AR 215 BP

### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.

**BASSA PRESSIONE**  
*low pressure*



diserbo  
spraying



deicing  
deicing



AR 215 bp



AP C/C



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

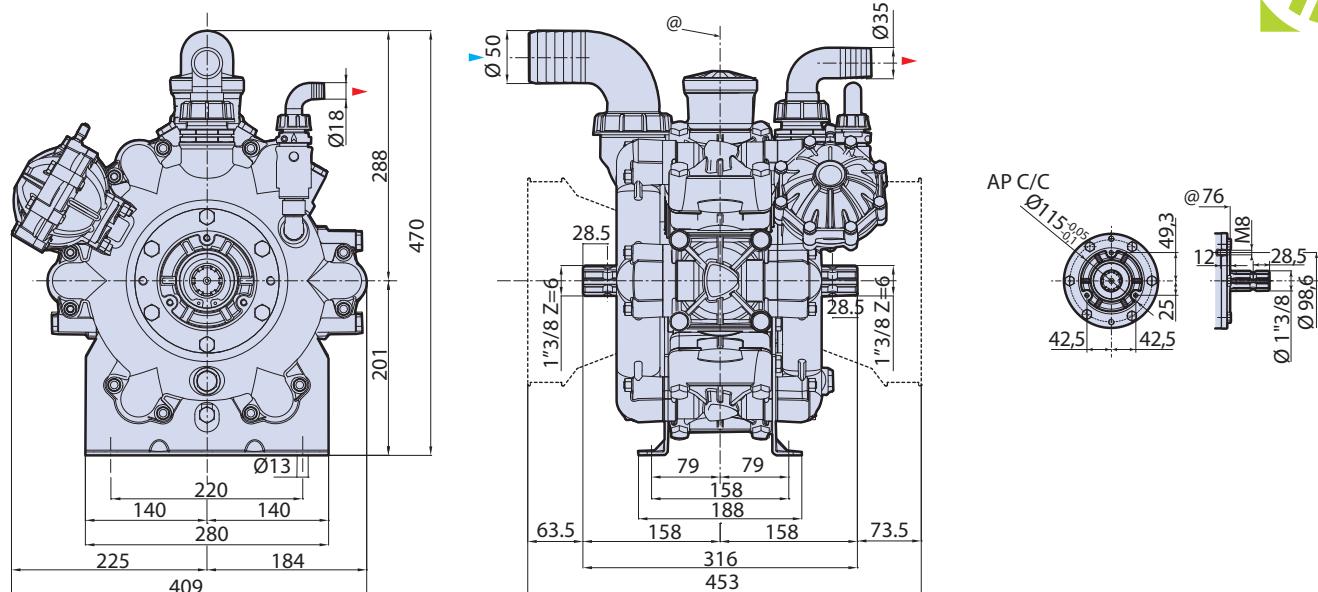
**Pompa a sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

**Semi-hydraulic six-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



MI91402  
DI DI 758340  
  
CM753600  
sp\_ar125\_250\_280bp.pdf



@ = Pump axis - Asse pompa

MOD	COD				bar	psi	RPM		°C	°F	kg	NET
	C/C	l/min	gpm	MAX	MAX	MAX	RPM				lb	
<b>AR 215 bp AP NBR</b>	<b>1212</b>	219,1	57,9		20	290	550	60	60	140	38,5	85
<b>AR 215 bp AP B</b>	<b>32042</b>	219,1	57,9		20	290	550	60	60	140	38,5	85

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR** **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

	400			450			500			550			
bar	psi	l/min	gpm	HP									
<b>AR 215 bp</b>													
0	0	162,0	42,8	0,7	180,7	47,7	0,8	200,0	52,8	1,1	219,1	57,9	1,3
5	72	159,5	42,1	2,3	175,7	46,4	2,5	197,9	52,3	2,8	214,7	56,7	3,2
10	145	151,0	39,9	3,9	173,6	45,9	4,4	190,3	50,3	5,0	208,8	55,2	5,5
15	218	149,5	39,5	5,6	170,3	45,0	6,3	188,0	49,7	7,1	204,2	53,9	7,8
20	290	147,9	39,1	7,2	165,8	43,8	8,2	184,2	48,7	9,1	202,0	53,4	9,9



## AR 250 BP - AR 280 BP

### Serie ALLUMINIO PLASTIFICATO plastic-coated aluminium series

Gruppi comando separato, vedi pag. 84.

For remote control units please see page 84.

Kit Applicazioni pag. 80.

Application kits, see page 80.

### BASSA PRESSIONE low pressure



diserbo  
spraying



deicing  
deicing



AR 250 bp



AP C/C



AP C/F Ø 25



AP C/F Ø 32



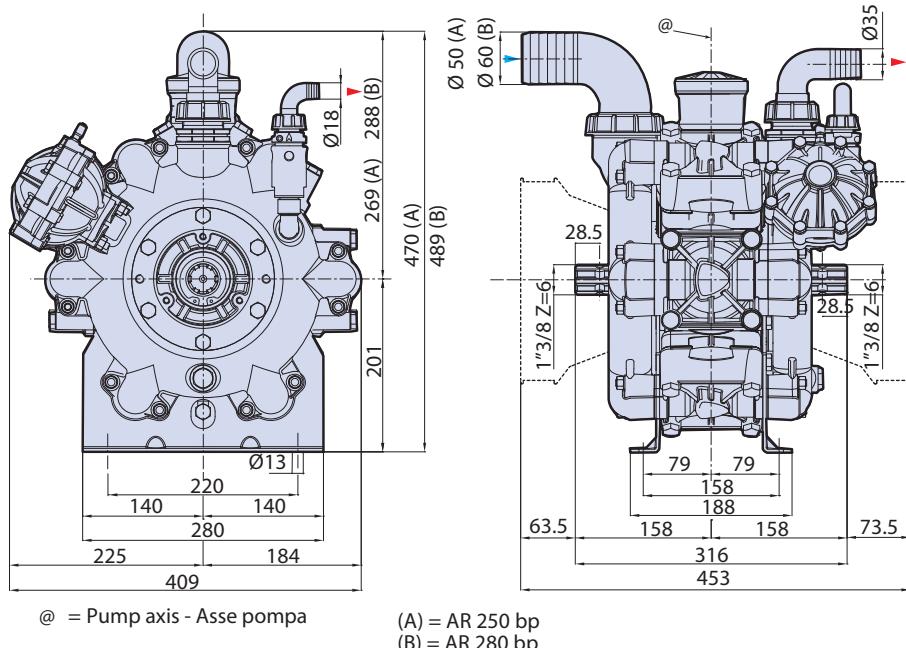
Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

**Pompa a sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

**Semi-hydraulic six-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



MOD	COD			MAX	MAX	RPM	°C	°F	kg	lb
	C/C	C/F Ø 25	C/F Ø 32	l/min	gpm	bar	psi	N°giri/1'		
<b>AR 250 bp AP NBR</b>	<b>1211</b>	<b>1230</b>	<b>1231</b>	254,4	67,2	20	290	550	60	140
<b>AR 250 bp AP B</b>	<b>32043</b>	<b>32044</b>	<b>32045</b>	254,4	67,2	20	290	550	60	140
<b>AR 280 bp AP NBR</b>	<b>1182</b>	<b>1235</b>	<b>1232</b>	277,8	73,4	20	290	550	60	140
<b>AR 280 bp AP B</b>	<b>32046</b>	<b>32047</b>	<b>32048</b>	277,8	73,4	20	290	550	60	140

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

MAX	400				450				500				550			
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm
<b>AR 250 bp</b>																
0	0	184,7	48,8	0,9	209,4	55,3	1,1	229,6	60,7	1,5	254,4	67,2	2,0			
5	72	181,0	47,8	2,5	202,7	53,5	3,0	224,4	59,3	3,4	253,6	67,0	3,6			
10	145	173,6	45,9	4,6	196,0	51,8	5,1	218,5	57,7	5,6	247,7	65,4	6,2			
15	218	172,8	45,6	6,4	191,1	50,5	7,2	214,6	56,7	8,0	243,9	64,4	8,9			
20	290	170,7	45,1	8,2	190,1	50,2	9,3	206,9	54,7	10,1	237,7	62,8	11,4			
<b>AR 280 bp</b>																
0	0	203,4	53,7	1,1	229,8	60,7	1,3	253,2	66,9	1,7	277,8	73,4	2,3			
5	72	200,5	53,0	3,0	225,3	59,5	3,2	252,9	66,8	3,6	274,2	72,4	4,6			
10	145	195,9	51,8	5,0	219,5	58,0	5,6	252,6	66,7	6,3	266,9	70,5	7,0			
15	218	191,1	50,5	7,1	214,1	56,6	8,3	238,8	63,1	9,0	255,5	67,5	9,9			
20	290	187,4	49,5	9,3	214,0	56,5	10,3	235,1	62,1	11,7	253,4	66,9	12,9			



## AR 245 BP - AR 275 BP

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



AR 275 bp



AP C/C



AP C/F Ø 32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

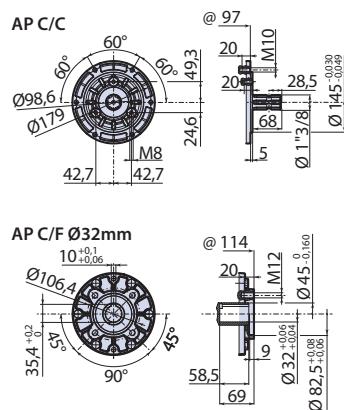
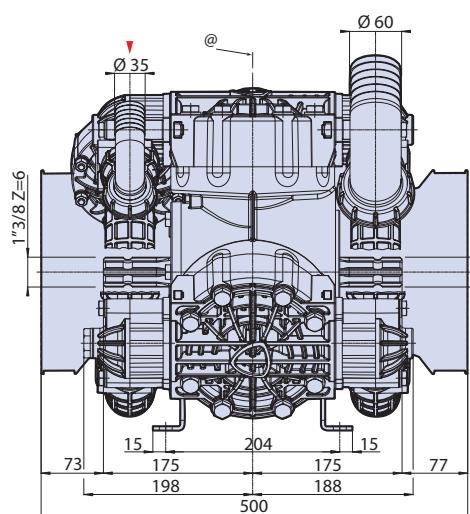
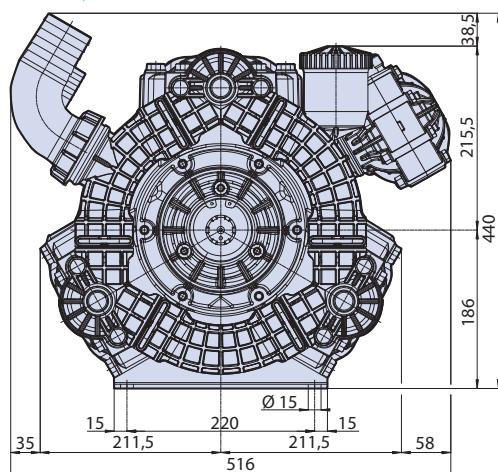
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan, Nylon rinforzato e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection.



CM 3308600 MI 92820  
SP ar245bp ar275bp.pdf DI 3308500



@ = Pump axis - Asse pompa

MOD	COD					°C	°F	kg	lb		
	C/C	C/F Ø 32									
AR 245 bp AP NBR	31452	31453	242,3	64	15	218	550	60	140	46	101
AR 245 bp AP E	31454	31455	242,3	64	15	218	550	60	140	46	101
AR 275 bp AP NBR	31458	31459	273,6	72,3	15	218	550	60	140	46	101
AR 275 bp AP E	31460	31461	273,6	72,3	15	218	550	60	140	46	101

### **B** Pompa con Membrane in BlueFlex™ Pumps with BlueFlex™ diaphragm

### **NBR Pompa con Membrane in NBR**

		AR 245 bp						AR 275 bp					
		400			450			500			550		
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 245 bp</b>													
0	0	177,5	46,9	0,7	198,6	52,4	0,7	220,6	58,3	1,2	242,3	64,0	1,6
5	72	174,6	46,1	2,5	195,6	51,7	2,9	218,7	57,8	3,3	239,9	63,4	3,7
10	145	174,0	46,0	4,5	192,7	50,9	5,1	215,8	57,0	5,7	237,1	62,6	6,4
15	218	171,8	45,4	6,4	191,1	50,5	7,2	212,3	56,1	8,1	234,9	62,1	9,0
<b>AR 275 bp</b>													
0	0	203,1	53,7	1,0	230,3	60,8	1,3	253,7	67,0	1,7	273,6	72,3	2,2
5	72	202,3	53,4	3,0	229,4	60,6	3,4	252,9	66,8	3,9	272,1	71,6	4,5
10	145	197,9	53,1	5,3	226,4	59,8	6,0	252,6	66,7	6,9	269,2	71,1	7,5
15	218	199,6	52,7	7,5	225,9	59,7	8,7	252,5	66,7	9,8	267,4	70,7	10,7



## AR 330 BP - AR 380 BP

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

B  
BlueFlex



### BASSA PRESSIONE

low pressure



diserbo  
spraying



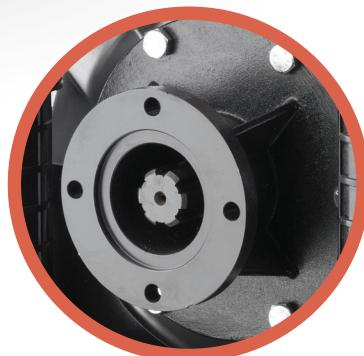
deicing  
deicing



AP C/C



AP C/F Ø32



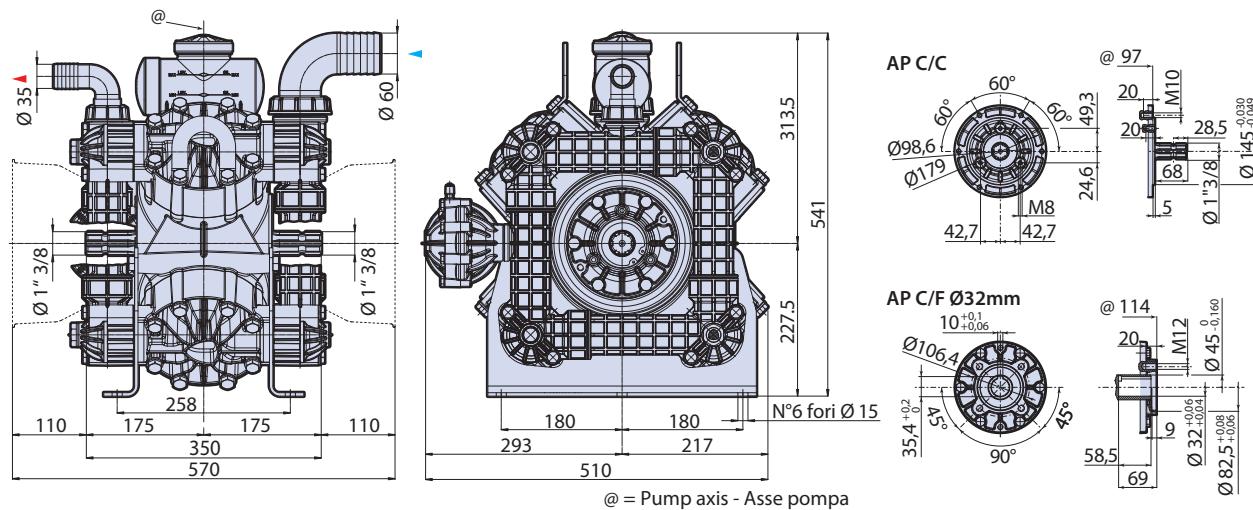
Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan, Nylon rinforzato e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di camera aria e cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



MOD	COD		MAX	MAX	RPM			NET			
	C/C	C/F Ø32	l/min	gpm	bar	psi	Nºgiri/1'	°C	°F	kg	lb
<b>AR 330 bp AP NBR</b>	<b>1257</b>	<b>1258</b>	317,9	84,2	20	290	550	60	140	60	132
<b>AR 330 bp AP B</b>	<b>32049</b>	<b>32050</b>	317,9	84,2	20	290	550	60	140	60	132
<b>AR 380 bp AP NBR</b>	<b>1271</b>	<b>1273</b>	367,7	97,1	20	290	550	60	140	60	132
<b>AR 380 bp AP B</b>	<b>32051</b>	<b>32052</b>	367,7	97,1	20	290	550	60	140	60	132

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

MAX	400				450				500				550			
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm
<b>AR 330 bp</b>																
0	0	236,2	62,4	0,9	261,8	69,2	1,2	288,9	76,3	2,3	317,9	84,0	2,4			
5	72	232,9	61,5	3,1	259,9	68,7	3,5	286,9	75,8	4,3	316,4	83,6	4,5			
10	145	230,5	60,9	5,6	255,5	67,5	6,3	285,3	75,4	7,5	313,9	82,9	8,0			
15	218	229,0	60,5	8,3	254,0	67,1	9,3	284,8	75,2	10,7	313,2	82,7	11,6			
20	290	227,9	60,2	10,8	253,9	67,1	12,2	283,6	74,9	13,7	309,3	81,7	15,1			
<b>AR 380 bp</b>																
0	0	274,0	72,4	1,6	304,9	80,5	2,1	334,5	88,4	2,8	367,7	97,1	3,6			
5	72	270,1	71,4	3,9	300,2	79,3	4,4	330,7	87,4	5,1	357,0	94,3	5,6			
10	145	268,2	70,9	7,0	300,1	79,3	7,9	330,0	87,2	8,7	355,3	93,9	9,8			
15	218	266,1	70,3	10,1	297,9	78,7	11,4	327,2	86,4	12,6	355,2	93,8	13,8			
20	290	256,7	67,8	12,7	295,9	78,2	14,2	326,4	86,2	16,1	353,0	93,3	17,4			



## AR 410 BP - AR 460 BP

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head



BASSA PRESSIONE  
low pressure



diserbo  
spraying



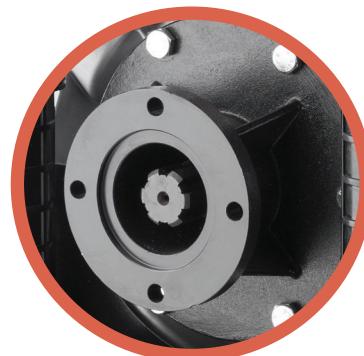
deicing  
deicing



AP C/C



AP C/F Ø32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

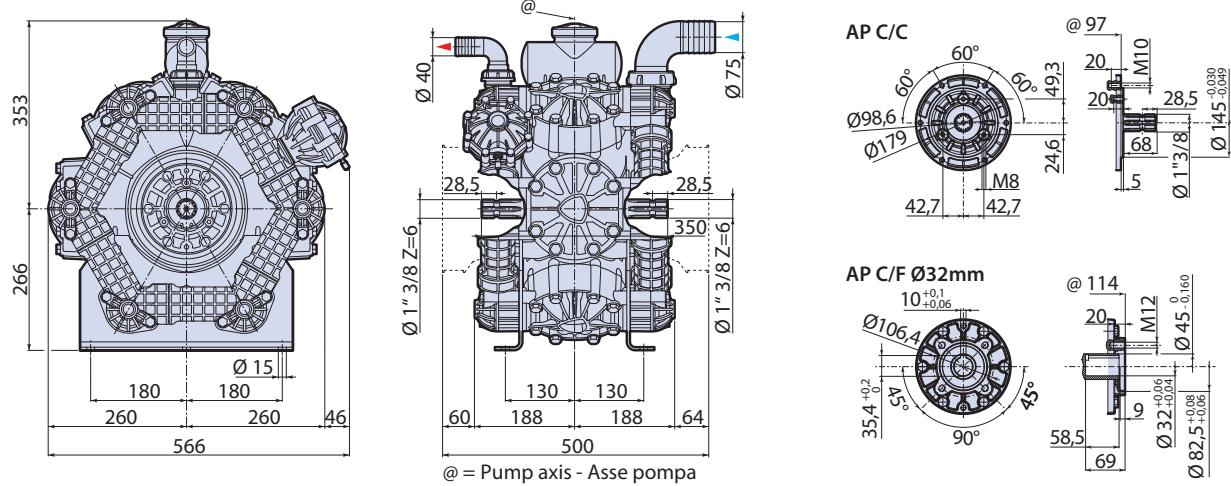
**Pompa a sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan, Nylon rinforzato e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di camera aria e cuffia di protezione cardano. Kit per l'accoppiamento di due pompe a formare un gruppo modulare destinato alle diverse utenze dell'irroratrice.

### General Features

**Semi-hydraulic six-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium, reinforced Nylon and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection. Flange kit for combining two pumps to form a modular unit for the sprayer's liquid circuit (spray to boom, agitation, mixing, continual rinsing).



CM 3048600  
sp\_ar410bp\_ar460bp.pdf  
MI 91403  
DI 3048500 - 3048501



MOD	COD										
	C/C	C/F Ø32		l/min	gpm	bar	psi	N°giri/1'			
<b>AR 410 bp AP NBR</b>	<b>1245</b>	<b>1246</b>	401,2	106	20	290	550	60	140	78,5	173,1
<b>AR 410 bp AP E</b>	<b>32053</b>	<b>32054</b>	401,2	106	20	290	550	60	140	78,5	173,1
<b>AR 460 bp AP NBR</b>	<b>1247</b>	<b>1248</b>	450,3	119	20	290	550	60	140	78,5	173,1
<b>AR 460 bp AP E</b>	<b>32055</b>	<b>32056</b>	450,3	119	20	290	550	60	140	78,5	173,1

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

		400						450					
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 410 bp</b>													
0	0	289,9	76,6	1,9	329,5	87,0	2,4	367,4	97,1	3,2	401,2	106,0	4,0
5	72	288,4	76,2	4,2	326,4	86,2	4,7	366,6	96,8	5,4	399,8	105,6	6,0
10	145	288,3	76,2	7,4	323,3	85,4	8,3	363,5	96,0	9,4	395,8	104,6	10,5
15	218	285,1	75,3	10,6	323,1	85,4	12,1	360,1	95,1	13,5	393,2	103,9	14,9
20	290	283,8	75,0	13,8	321,3	84,9	15,7	357,6	94,5	17,6	391,8	103,5	19,4
<b>AR 460 bp</b>													
0	0	330,3	87,3	1,2	373,9	98,8	1,6	412,7	109,0	2,1	450,3	119,0	2,8
5	72	327,8	86,6	4,8	372,8	98,5	5,6	411,4	108,7	6,4	448,6	118,5	7,4
10	145	326,4	86,2	8,6	368,8	97,4	9,8	411,2	108,6	11,1	447,0	118,1	12,5
15	218	325,7	86,0	12,2	367,9	97,2	13,9	407,4	107,6	15,7	444,0	117,3	17,4
20	290	324,0	85,6	16,1	364,4	96,3	18,1	404,3	106,8	20,2	441,4	116,6	22,4



## AR 320 / AR 370 BP TWIN

**Testa ALLUMINIO PLASTIFICATO**  
plastic-coated aluminium head

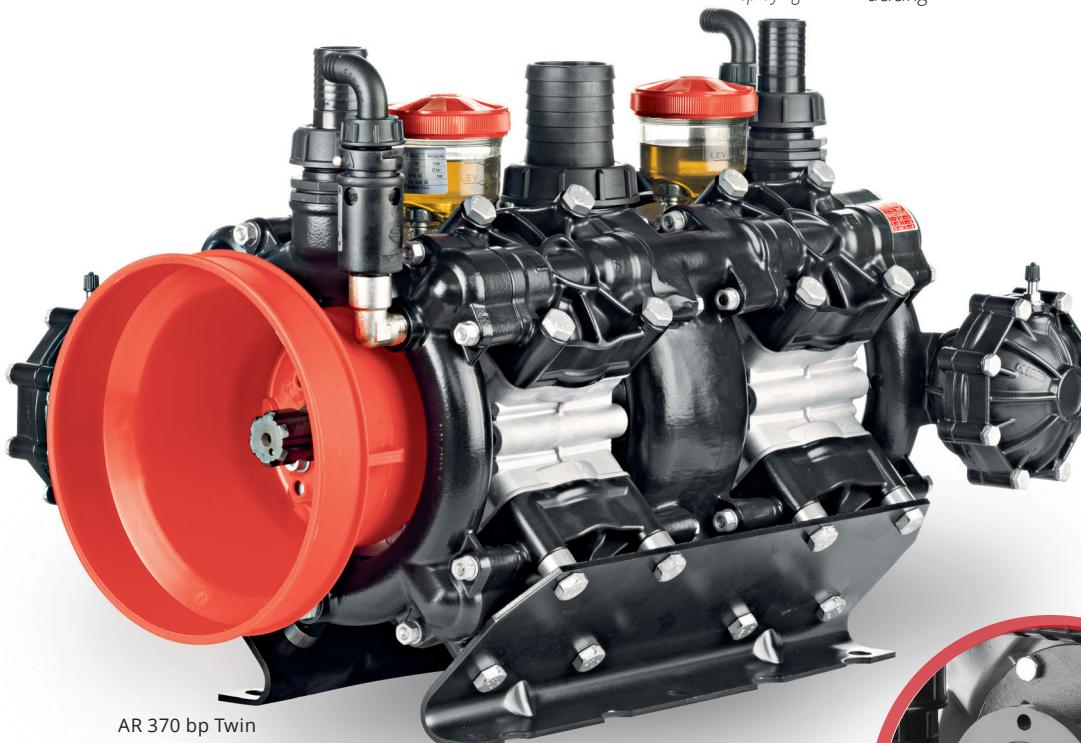
**BASSA PRESSIONE**  
*low pressure*



diserbo  
spraying



deicing  
deicing



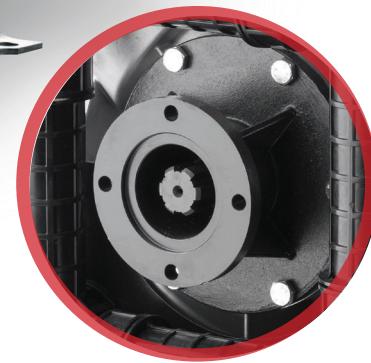
AR 370 bp Twin



AP C/C



AP C/F Ø 32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

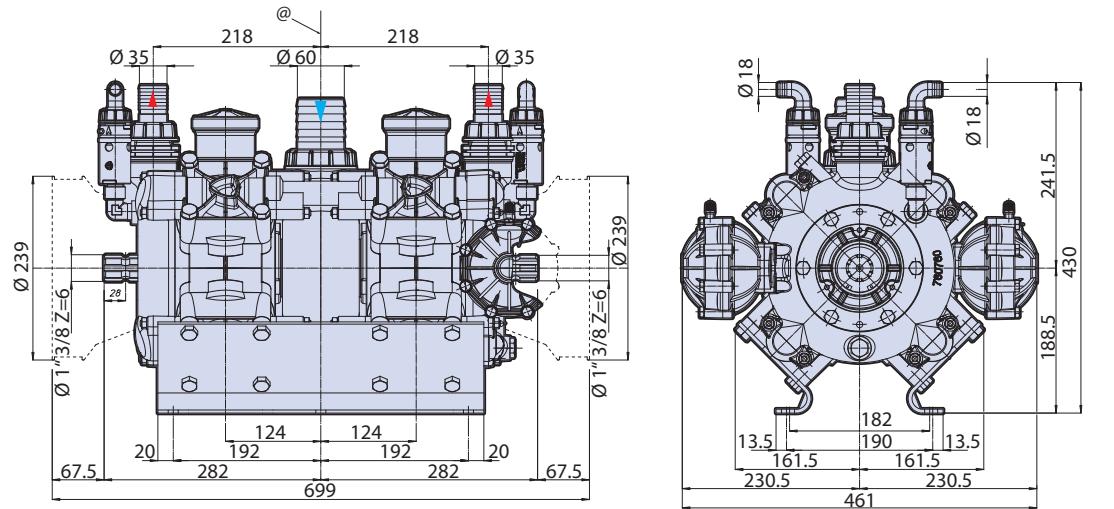
**Pompa a quattro più quattro membrane semidrauliche.**  
Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Condotto centrale unico di aspirazione. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvole di sovrappressione con riarmo, camere aria e cuffia di protezione cardano

### General Features

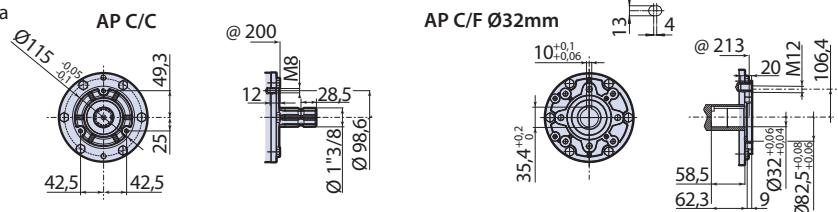
**Semi-hydraulic four plus four diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Single central suction manifold. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



MI 91404  
DI 768300  
CM 768602  
sp\_ar320\_370bp\_twin.BF.pdf  
sp\_ar320\_370bp\_twin.pdf



@ = Pump axis - Asse pompa



MOD	COD		MAX	MAX	RPM	°C	°F	kg	lb
	C/C	C/F Ø 32							
<b>AR 320 bp AP Twin NBR</b>	<b>1186</b>	<b>1236</b>	321,2	84,9	20	290	550	60	140
<b>AR 320 bp AP Twin B</b>	<b>32057</b>	<b>32058</b>	321,2	84,9	20	290	550	60	140
<b>AR 370 bp AP Twin NBR</b>	<b>1183</b>	<b>1237</b>	371,5	98,2	20	290	550	60	140
<b>AR 370 bp AP Twin B</b>	<b>32059</b>	<b>32060</b>	371,5	98,2	20	290	550	60	140

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

	400				450				500				550			
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm
<b>AR 320 bp Twin</b>																
0	0	209,8	55,4	1,9	269,9	71,3	3,0	290,6	76,8	3,9	321,2	84,9	5,1			
10	145	190,5	50,3	5,9	245,4	64,8	7,6	271,3	71,7	8,7	297,9	78,7	9,6			
15	218	186,6	49,3	8,6	241,1	63,7	10,9	266,3	70,3	11,7	293,2	77,5	13,0			
20	290	183,8	48,6	10,4	235,8	62,3	13,7	261,7	69,1	15,1	289,1	76,4	16,8			
<b>AR 370 bp Twin</b>																
0	0	240,0	63,4	2,1	305,8	80,8	3,1	333,2	88,0	4,1	371,5	98,2	5,2			
10	145	226,0	59,7	6,2	286,6	75,7	7,9	313,5	82,8	9,0	349,5	92,3	9,9			
15	218	217,6	57,5	8,7	278,5	73,6	11,2	306,4	81,0	12,3	343,9	90,9	13,7			
20	290	212,2	56,1	11,0	274,3	72,5	14,3	298,9	79,0	15,8	339,8	89,8	17,3			



## AR 500 / AR 560 BP TWIN

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

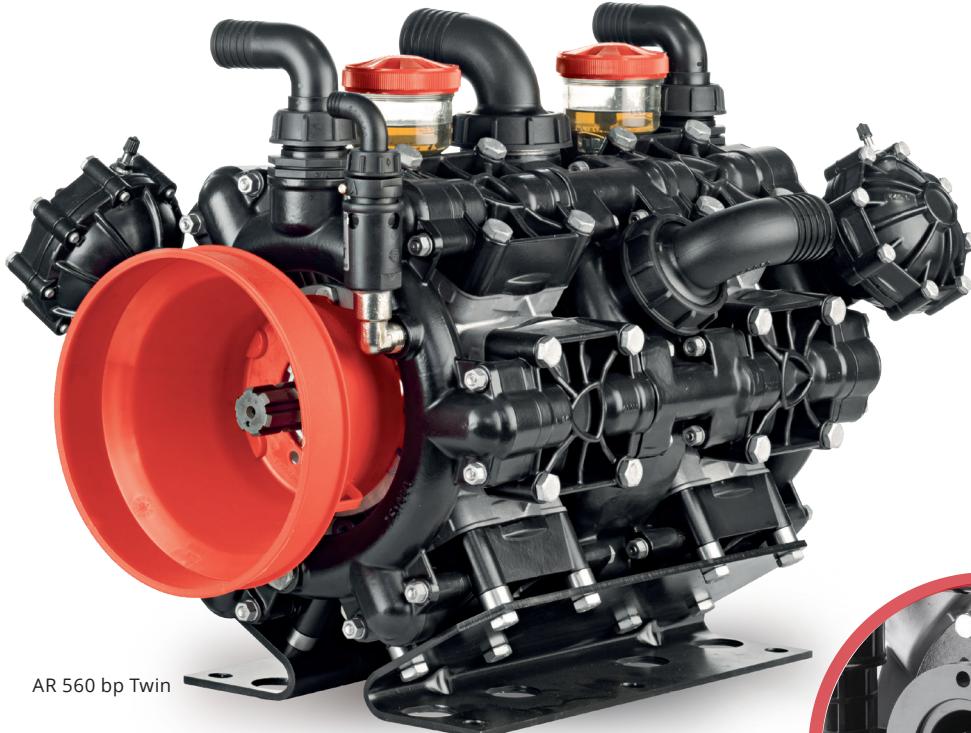
BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



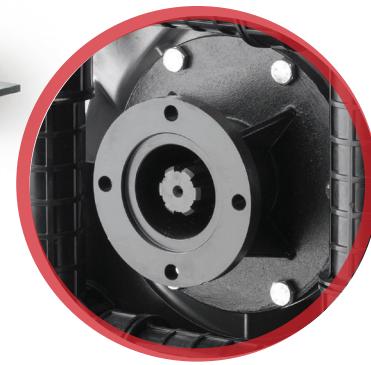
AR 560 bp Twin



AP C/C



AP C/F Ø 32



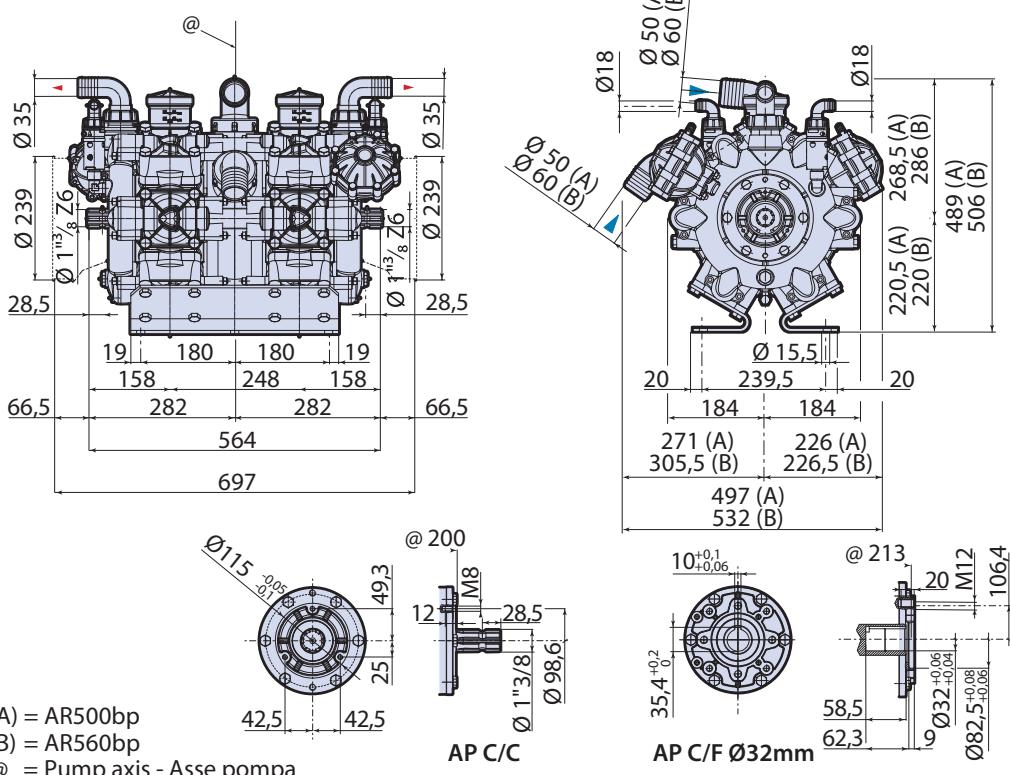
Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

**Pompa a sei più sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Condotto centrale monolitico con doppio circuito di aspirazione. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvole di sovrappressione con riarmo, camere aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic six plus six diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Single central suction manifold. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve, with re-arm, air chamber and cardan protection.



MI 91405  
DI 758500 (A)  
DI 758510 (B)

CM 758601  
SP\_AR500\_560bp\_twin.pdf

MOD	COD		MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F ø 32										
<b>AR 500 bp AP Twin NBR</b>	<b>1184</b>	<b>1238</b>		489,4	129,3	20	290	550	60	140	75	165,3
<b>AR 500 bp AP Twin B</b>	<b>32061</b>	<b>32062</b>		489,4	129,3	20	290	550	60	140	75	165,3
<b>AR 560 bp AP Twin NBR</b>	<b>1185</b>	<b>1239</b>		543,2	143,5	20	290	550	60	140	75	165,3
<b>AR 560 bp AP Twin B</b>	<b>32063</b>	<b>32064</b>		543,2	143,5	20	290	550	60	140	75	165,3

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR** **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm



bar	psi	I/min	gpm	HP	MAX				RPM	500	550		
					400	450	500	550					
<b>AR 500 bp Twin</b>													
0	0	365,0	96,4	1,9	409,6	108,2	2,4	451,4	119,2	3,2	489,4	129,3	4,0
5	72	356,4	94,2	5,4	397,8	105,1	6,2	438,8	115,9	7,0	476,0	125,7	7,8
10	145	346,2	91,5	6,7	392,8	103,8	10,5	427,6	113,0	11,8	462,4	122,2	13,1
15	218	340,0	89,8	13,1	383,0	101,2	15,0	419,0	110,7	16,6	454,2	120,0	18,5
20	290	335,8	88,7	17,2	378,0	99,9	19,3	413,8	109,3	21,7	446,8	118,0	23,6
<b>AR 560 bp Twin</b>													
0	0	395,8	104,6	2,4	441,6	116,7	3,2	490,8	129,7	4,0	543,2	143,5	6,4
5	72	387,2	102,3	5,9	432,6	114,3	7,0	478,0	126,3	7,5	538,6	142,3	9,4
10	145	374,8	99,0	10,2	426,0	112,5	11,8	469,8	124,1	12,9	531,2	140,3	14,8
15	218	369,0	97,5	14,2	419,8	110,9	16,6	459,6	121,4	18,0	523,4	138,3	20,9
20	290	363,0	95,9	18,5	414,2	109,4	21,2	448,2	118,4	23,3	511,8	135,2	26,6



## AR 320 / AR 370 BP TWIN TOP

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



BlueFlex



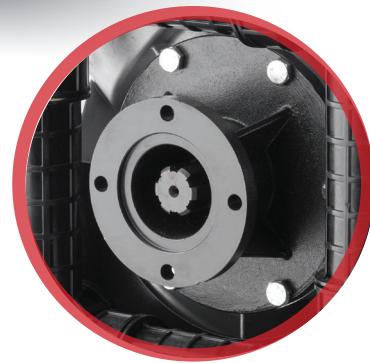
AR 370 bp Twin Top



AP C/C



AP C/F Ø 32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

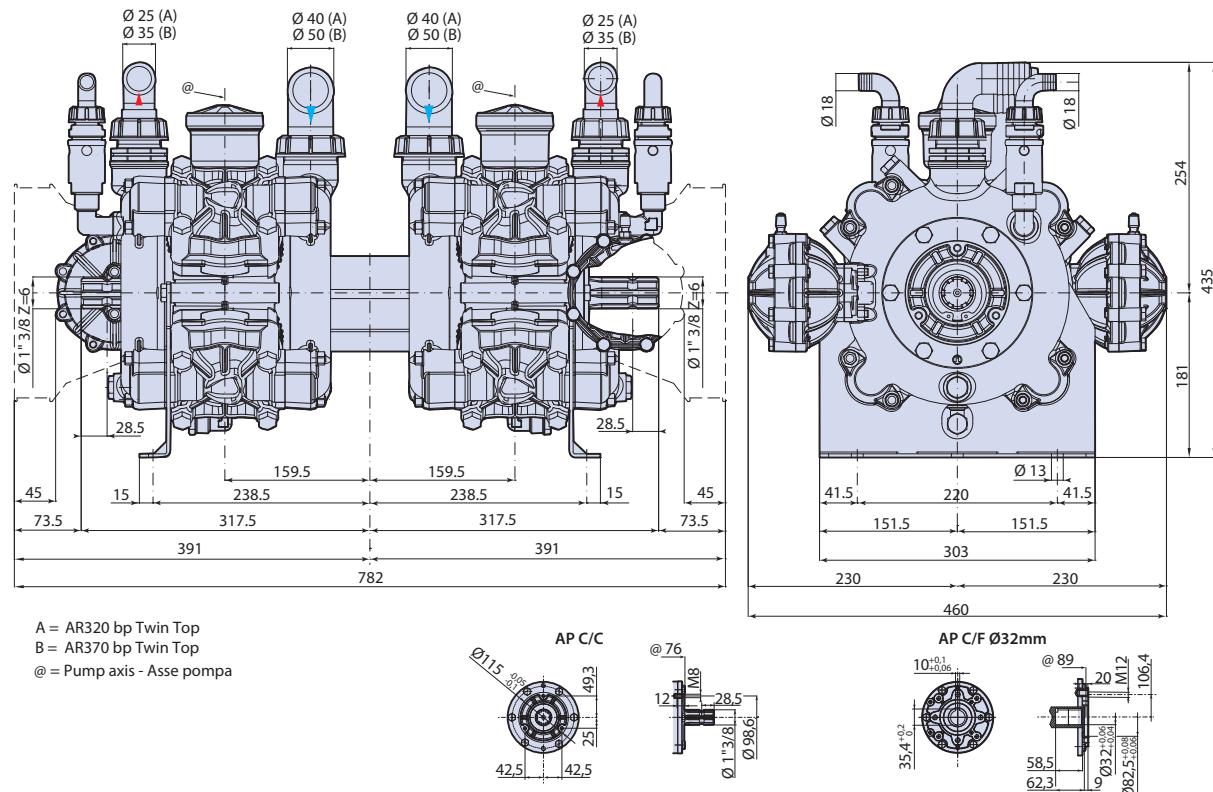
**Pompa a quattro più quattro membrane semidrauliche.**  
Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvole di sovrappressione con riammo, camere aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic four plus four diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



MI 91404  
DI 768510  
CM 768613  
sp\_ar320bp twin\_top\_ar370bp twin\_top.pdf



A = AR320 bp Twin Top  
B = AR370 bp Twin Top  
@ = Pump axis - Asse pompa

MOD	COD		MAX	MAX	RPM		NET				
	C/C	C/F Ø 32	l/min	gpm	bar	psi	N° giri/1'	°C	°F	kg	lb
<b>AR 320 bp AP Twin Top NBR</b>	<b>1275</b>	<b>1276</b>	321,2	84,9	20	290	550	60	140	58	127,9
<b>AR 320 bp AP Twin Top B</b>	<b>32065</b>	<b>32066</b>	321,2	84,9	20	290	550	60	140	58	127,9
<b>AR 370 bp AP Twin Top NBR</b>	<b>1279</b>	<b>1280</b>	371,5	98,2	20	290	550	60	140	58	127,9
<b>AR 370 bp AP Twin Top B</b>	<b>32069</b>	<b>32070</b>	371,5	98,2	20	290	550	60	140	58	127,9

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR** **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm



MAX	400				450				500				550			
	bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm
<b>AR 320 bp Twin Top</b>																
0	0	209,8	55,4	1,9	269,9	71,3	3,0	290,6	76,8	3,9	321,2	84,9	5,1			
10	145	190,5	50,3	5,9	245,4	64,8	7,6	271,3	71,7	8,7	297,9	78,7	9,6			
15	218	186,6	49,3	8,6	241,1	63,7	10,9	266,3	70,3	11,7	293,2	77,5	13,0			
20	290	183,8	48,6	10,4	235,8	62,3	13,7	261,7	69,1	15,1	289,1	76,4	16,8			
<b>AR 370 bp Twin Top</b>																
0	0	240,0	63,4	2,1	305,8	80,8	3,1	333,2	88,0	4,1	371,5	98,2	5,2			
10	145	226,0	59,7	6,2	286,6	75,7	7,9	313,5	82,8	9,0	349,5	92,3	9,9			
15	218	217,6	57,5	8,7	278,5	73,6	11,2	306,4	81,0	12,3	343,9	90,9	13,7			
20	290	212,2	56,1	11,0	274,3	72,5	14,3	298,9	79,0	15,8	339,8	89,8	17,3			



## AR 500 / AR 560 BP TWIN TOP

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

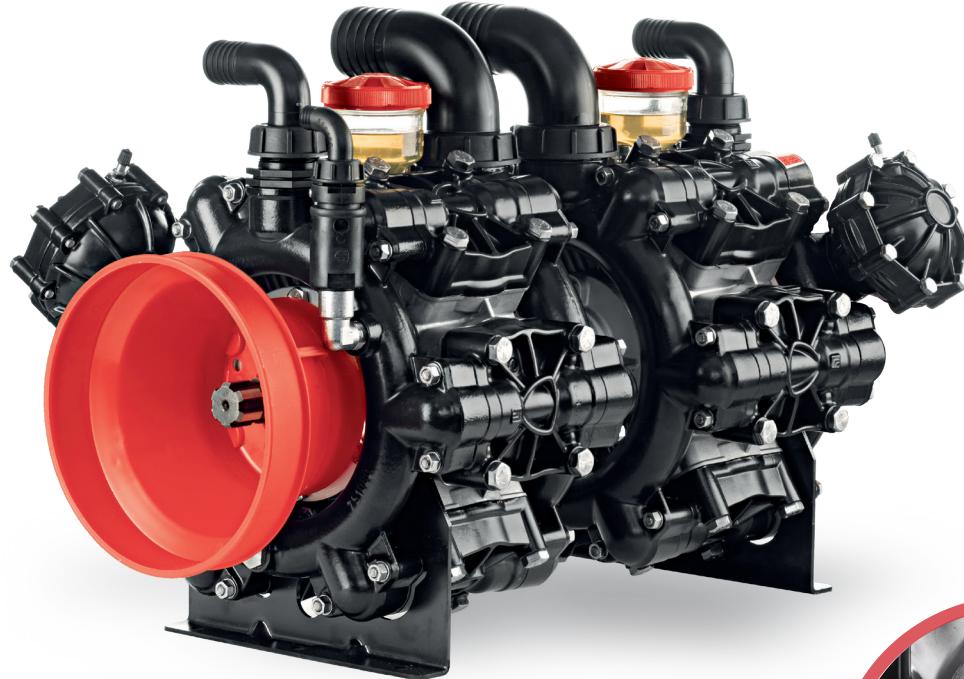
BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



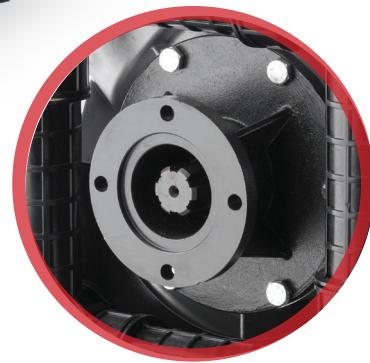
AR 560 bp Twin Top



AP C/C



AP C/F Ø 32



Applicazioni / Applications  
IDM - IDP > pag.186.

### Caratteristiche Generali

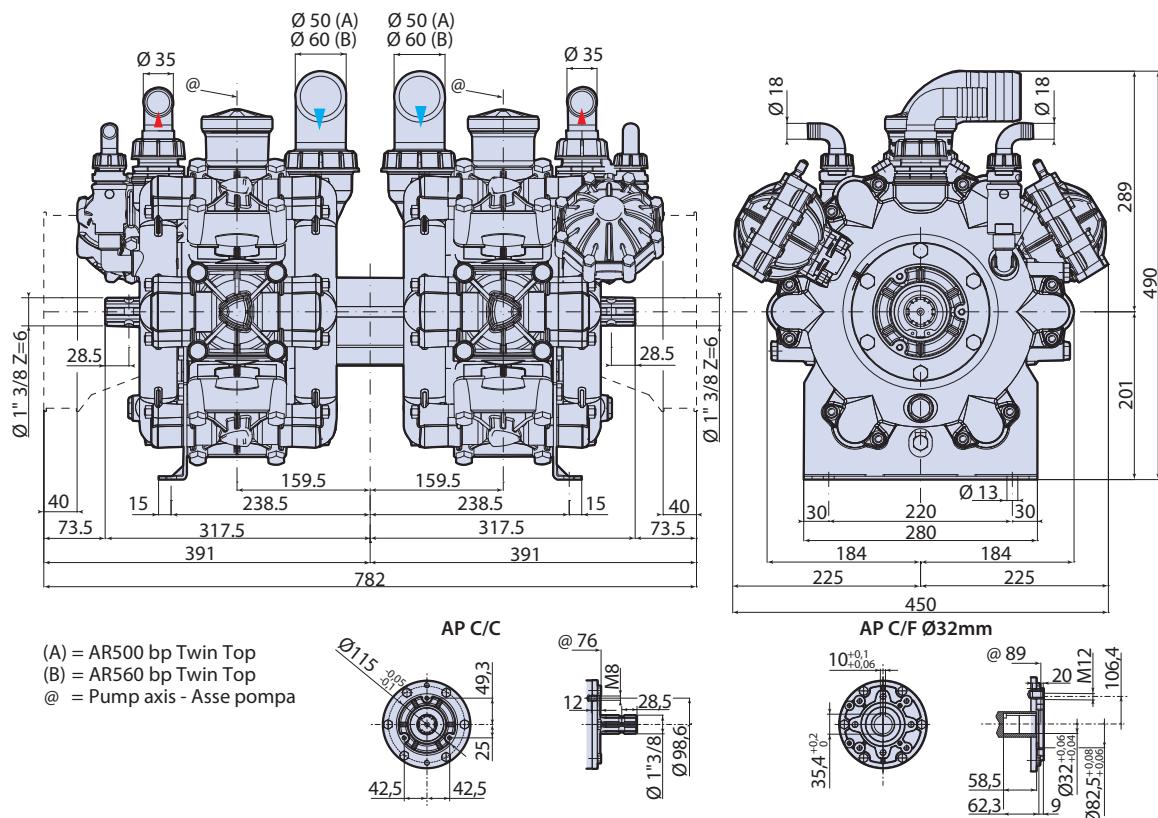
**Pompa a sei più sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvole di sovrappressione con riammo, camere aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic six plus six diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, HPDS, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



MI91405  
DI758522  
CM 758612  
sp\_ar500bp twin\_top\_ar560bp twin\_top.pdf



MOD	COD		MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F Ø 32										
<b>AR 500 bp AP Twin Top NBR</b>	<b>1283</b>	<b>1284</b>	489,4	129,3	20	290	550	60	140	75	165,3	
<b>AR 500 bp AP Twin Top B</b>	<b>32073</b>	<b>32074</b>	489,4	129,3	20	290	550	60	140	75	165,3	
<b>AR 560 bp AP Twin Top NBR</b>	<b>1287</b>	<b>1288</b>	543,2	143,5	20	290	550	60	140	75	165,3	
<b>AR 560 bp AP Twin Top B</b>	<b>32077</b>	<b>32078</b>	543,2	143,5	20	290	550	60	140	75	165,3	

B **Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm  
NBR **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

bar	psi	I/min	gpm	HP	RPM				
					400	450	500	550	
<b>AR 500 bp Twin Top</b>									
0	0	365,0	96,4	1,9	409,6	108,2	2,4	451,4	119,2
5	72	356,4	94,2	5,4	397,8	105,1	6,2	438,8	115,9
10	145	346,2	91,5	6,7	392,8	103,8	10,5	427,6	113,0
15	218	340,0	89,8	13,1	383,0	101,2	15,0	419,0	110,7
20	290	335,8	88,7	17,2	378,0	99,9	19,3	413,8	109,3
<b>AR 560 bp Twin Top</b>									
0	0	395,8	104,6	2,4	441,6	116,7	3,2	490,8	129,7
5	72	387,2	102,3	5,9	432,6	114,3	7,0	478,0	126,3
10	145	374,8	99,0	10,2	426,0	112,5	11,8	469,8	124,1
15	218	369,0	97,5	14,2	419,8	110,9	16,6	459,6	121,4
20	290	363,0	95,9	18,5	414,2	109,4	21,2	448,2	118,4



## AR 660 / AR 760 BP BIG TWIN

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

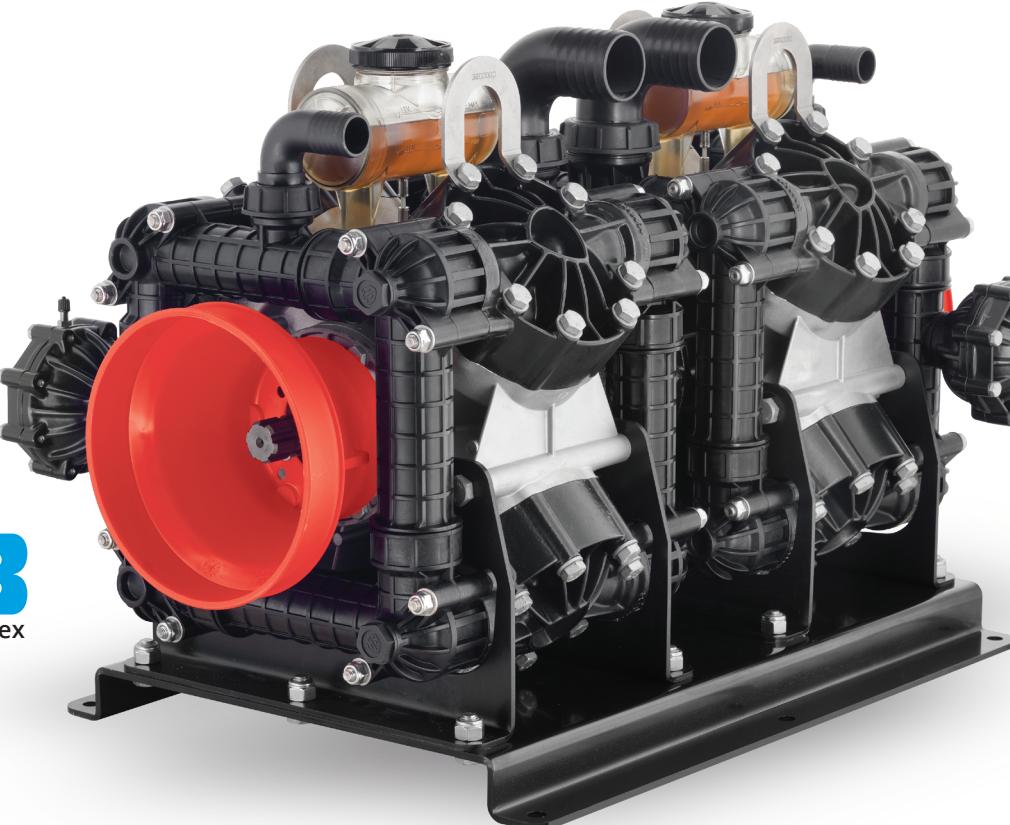
BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



AR 660 bp Big Twin



### Caratteristiche Generali

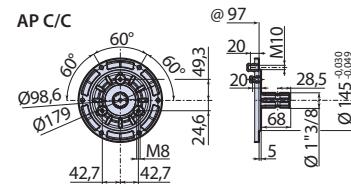
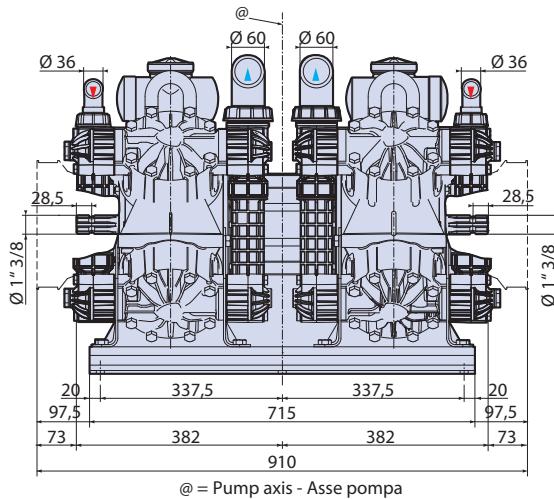
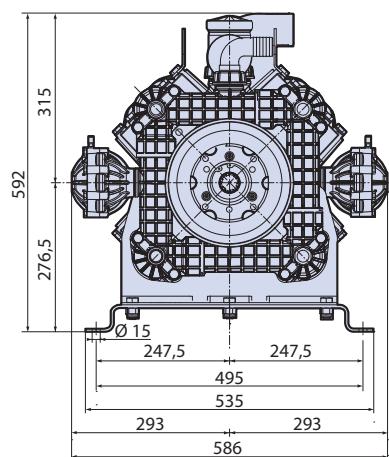
**Pompa a quattro più quattro membrane semidrauliche.**  
Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan, Nylon rinforzato e AISI 303/304. Membrane in NBR o in BlueFlex™. Tenute in NBR. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di camere aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic four plus four diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or BlueFlex™. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection.



MI 92255  
DI 32885504  
CM 3048602  
SP\_ar660\_760bp\_bip\_twin.pdf



MOD	COD	MAX		MAX		RPM	°C	°F	kg	lb
		C/C	l/min	gpm	bar					
<b>AR 660 bp AP Big Twin</b>	<b>31312</b>	637,6	168,4	20	290	550	60	140	145	320
<b>AR 760 bp AP Big Twin</b>	<b>31313</b>	735,4	194,2	20	290	550	60	140	145	320

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

	RPM									
	400		450		500		550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 660 bp Big Twin</b>										
0	0	472,5	124,8	1,7	523,6	138,3	2,4	577,8	152,6	4,6
5	72	465,7	123,0	6,2	519,9	137,3	7,0	573,9	151,6	8,7
10	145	461,0	121,8	11,3	510,9	135,0	12,7	570,5	150,7	15,1
15	218	458,1	121,0	16,5	508,1	134,2	18,6	569,6	150,5	21,4
20	290	455,8	120,4	21,7	507,7	134,1	24,4	567,2	149,8	27,4
<b>AR 760 bp Big Twin</b>										
0	0	548,0	144,8	3,2	609,8	161,1	4,3	669,0	176,7	5,6
5	72	540,2	142,7	7,8	600,4	158,6	8,9	661,4	174,7	10,2
10	145	536,4	141,7	13,9	600,2	158,6	15,8	660,0	174,4	17,4
15	218	532,2	140,6	20,1	595,8	157,4	22,8	654,4	172,9	25,2
20	290	513,4	135,6	25,5	591,8	156,3	28,4	652,8	172,5	32,2



## AR 740 / AR 840 BP BIG TWIN

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



AR 840 bp Big Twin



BlueFlex



### Caratteristiche Generali

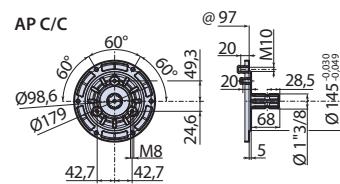
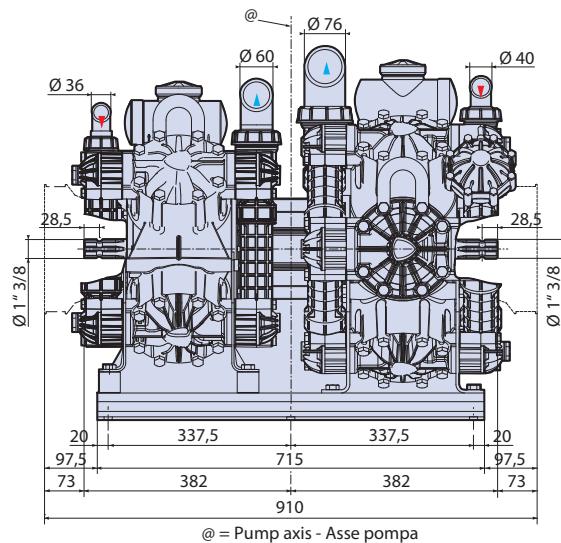
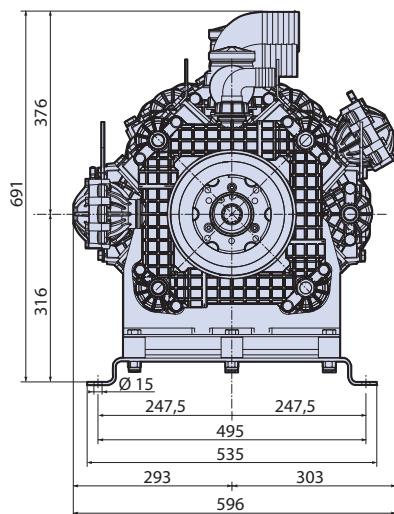
**Pompa a quattro più sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan, Nylon rinforzato e AISI 303/304. Membrane in NBR o in BlueFlex™. Tenute in NBR. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di camere aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic four plus four diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or BlueFlex™. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection.



MI 92256  
DI 3048506  
CM 3048604  
sp\_ar740\_840bp\_btg\_twin.pdf



MOD	COD	MAX	MAX	RPM	°C	°F	kg	lb
		C/C	l/min	gpm	bar	psi	N°giri/1'	
<b>AR 740 bp AP Big Twin</b>	<b>31310</b>		720	190,2	20	290	550	60 140 170 375
<b>AR 840 bp AP Big Twin</b>	<b>31311</b>		818	216,1	20	290	550	60 140 170 375

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX													
	400			450			500			550			
bar	psi	l/min	gpm	HP									
<b>AR 740 bp Big Twin</b>													
0	0	526,1	139,0	2,7	591,3	156,2	3,6	656,3	173,4	5,5	719,1	190,0	8,0
5	72	521,3	137,7	7,3	586,3	154,9	8,2	653,5	172,6	9,7	716,2	189,2	10,6
10	145	518,8	137,1	13,0	578,8	152,9	14,7	648,8	171,4	16,9	709,7	187,5	18,5
15	218	514,1	135,8	18,9	577,1	152,5	21,4	644,9	170,4	24,2	706,4	186,6	26,5
20	290	511,7	135,2	24,6	575,2	151,9	27,9	641,2	169,4	31,2	701,1	185,2	34,5
<b>AR 840 bp Big Twin</b>													
0	0	604,3	159,6	2,8	678,8	179,3	3,8	747,2	197,4	5,0	818,0	216,1	6,4
5	72	597,9	157,9	8,7	673,0	177,8	10,1	742,1	196,0	11,5	805,6	212,8	13,0
10	145	594,6	157,1	15,6	668,9	176,7	17,7	741,2	195,8	19,8	802,3	211,9	22,3
15	218	591,8	156,3	22,3	665,8	175,9	25,3	734,6	194,1	28,3	799,2	211,1	31,2
20	290	580,7	153,4	28,8	660,3	174,4	32,3	730,7	193,0	36,3	794,4	209,9	39,8



## AR 820 / AR 920 BP BIG TWIN

Testa ALLUMINIO PLASTIFICATO  
plastic-coated aluminium head

BASSA PRESSIONE  
low pressure



diserbo  
spraying



deicing  
deicing



AR 920 bp Big Twin



### Caratteristiche Generali

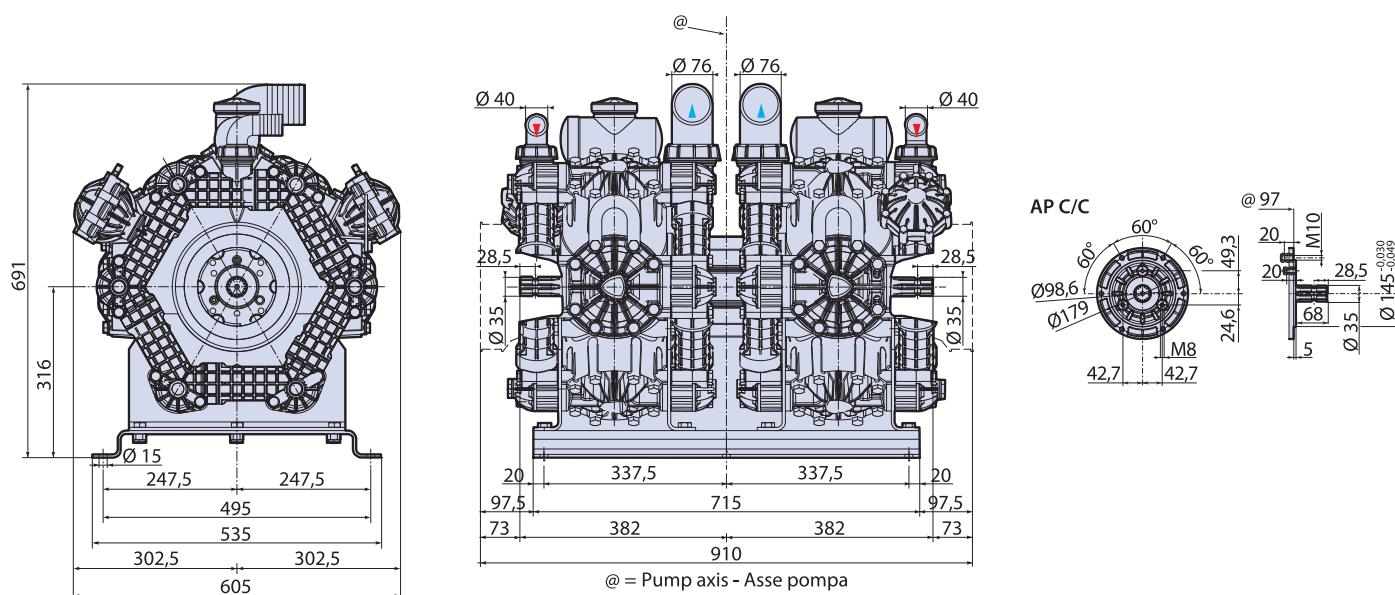
**Pompa a sei più sei membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan, Nylon rinforzato e AISI 303/304. Membrane in NBR o in BlueFlex™. Tenute in NBR. Viteria in Geomet. Tappi per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di camere aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic six plus six diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or BlueFlex™. Seals in NBR. Geomet metal fasteners. Plug for drainage of liquid from the circuit before winter storage. Complete with air chamber and cardan protection.



MI 92257  
DI 3048505  
CM 3048603  
sp\_ar820\_920bp\_btg\_twin.pdf



MOD	COD	MAX	MAX	RPM	°C	°F	kg	lb
C/C	l/min	gpm	bar	psi	N°giri/1'			
<b>AR 820 bp AP Big Twin</b>	<b>31308</b>	802,4	212	20	290	550	60	140
<b>AR 920 bp AP Big Twin</b>	<b>31309</b>	900,6	238	20	290	550	60	140

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

MAX													
	400			450			500			550			
bar	psi	l/min	gpm	HP									
<b>AR 820 bp Big Twin</b>													
0	0	579,8	153,2	3,8	659,0	174,1	4,8	734,8	194,1	6,4	802,4	212,0	8,0
5	72	576,8	152,4	8,3	652,8	172,5	9,4	733,2	193,7	10,7	799,6	211,2	12,1
10	145	576,6	152,3	14,8	646,6	170,8	16,6	727,0	192,1	18,8	791,6	209,1	20,9
15	218	570,2	150,6	21,2	646,2	170,7	24,1	720,2	190,3	27,1	786,4	207,7	29,8
20	290	567,6	149,9	27,6	642,6	169,8	31,4	715,2	188,9	35,1	783,6	207,0	38,9
<b>AR 920 bp Big Twin</b>													
0	0	660,6	174,5	2,4	747,8	197,5	3,2	825,4	218,0	4,3	900,6	237,9	5,6
5	72	655,6	173,2	9,7	745,6	197,0	11,3	822,8	217,4	12,9	897,2	237,0	14,8
10	145	652,8	172,5	17,2	737,6	194,9	19,6	822,4	217,3	22,3	894,0	236,2	24,9
15	218	651,4	172,1	24,4	735,8	194,4	27,9	814,8	215,2	31,4	888,0	234,6	34,9
20	290	648,0	171,2	32,2	728,8	192,5	36,2	808,6	213,6	40,5	882,8	233,2	44,8



# KIT APPLICAZIONI

application kits



BASSA PRESSIONE  
low pressure

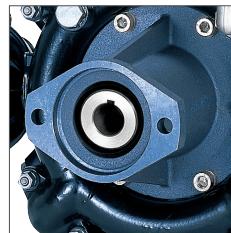
## Kit Appl.FD (1)



Cod. vedi pag.191.  
Code see page 191.

Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F.  
*For overgears. The FD version is to be mounted on C/F version pumps.*

## Kit Appl.IDM/IDP (1)



Cod. vedi pag.186.  
Code see page 186.

Per motori e pompe idrauliche.  
*For hydraulic motors and pumps.*

## Kit Appl.P cod.1515

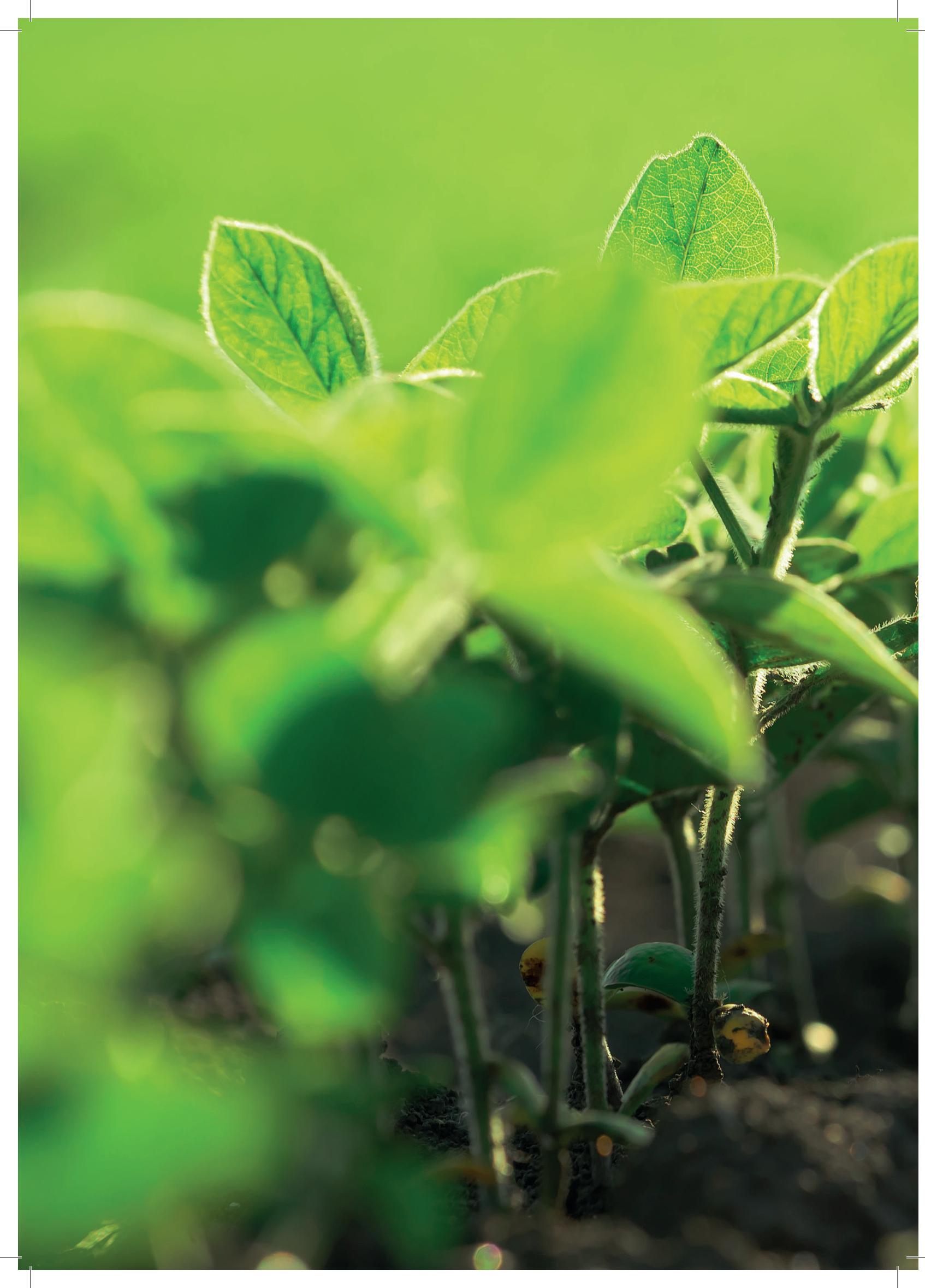


Puleggia 4A ø320mm  
Pulley 4A ø320mm

(1) Le dimensioni di questi kit applicazione variano a secondo della marca e del tipo di macchina a cui deve essere applicata la pompa.

(1) The dimensions of these kits vary according to the make and type of machine the pump is to be installed on.

Per pompe versione For version pump		SP · SP/C					SPxCR	C/F	C/C	
Tipo · Type		Kit Appl. C	Kit Appl. P	Kit Appl. IDM	Rid. 1:2,85 x EM • ET	Rid. 1:5,9 x S	Rid. 1:5,9 x S	Kit Appl. FD	Kit Appl. P	Kit Appl. IDM-IDP
AR 45 bp	LFP	-	cod. 31058	pag.186	cod. 31171	cod.31185	-	-	-	-
AR 80 bp	LFP	-	cod. 31058	pag. 186	cod. 31171	cod.31185	-	-	-	-
AR 70 bp	-	cod. 1512	cod. 1514	pag. 186	-	-	cod. 1671	-	-	-
AR 115 bp	-	cod. 1512	cod. 1514	pag. 186	-	-	cod. 1671/1665	-	-	-
AR 135 bp	-	cod. 1512	cod. 1514	pag. 186	-	-	cod. 1671/1665	-	-	-
AR 120 bp	LFP	-	cod. 55374	pag. 186	cod. 31186	cod.31118/31347	-	-	-	-
AR 140 bp	LFP	-	cod. 55374	pag. 186	cod. 31186	cod.31118/31347	-	-	-	-
AR 125 bp	-	-	-	-	-	-	-	pag. 191	cod. 1515	pag. 186
AR 145 bp	-	-	-	-	-	-	-	pag. 191	cod. 1515	pag. 186
AR 160 bp	LFP	-	-	-	-	-	-	-	cod. 1515	pag. 186
AR 185 bp	LFP	-	-	-	-	-	-	-	cod. 1515	pag. 186
AR 245 bp	LFP	-	-	-	-	-	-	-	-	pag. 186
AR 275 bp	LFP	-	-	-	-	-	-	-	-	pag. 186
AR 215 bp	-	-	-	-	-	-	-	-	-	pag. 186
AR 250 bp	-	-	-	-	-	-	-	-	-	pag. 186
AR 280 bp	-	-	-	-	-	-	-	-	-	pag. 186
AR 330 bp	LFP	-	-	-	-	-	-	-	-	pag. 186
AR 380 bp	LFP	-	-	-	-	-	-	-	-	pag. 186
AR 410 bp	LFP	-	-	-	-	-	-	-	-	pag. 186
AR 460 bp	LFP	-	-	-	-	-	-	-	-	pag. 186







## GRUPPI COMANDO

BASSA PRESSIONE  
low pressure

*control units*

Tipo Type	Portata max Max delivery		Pressione max Max pressure		N° Rubinetti Valves	Peso Weight	Dimensioni Dimensions (mm)			Ingresso Inlet	Scarico Return	Uscita Outlet	Pag. Page
	L/1'	gpm	bar	psi			L	H	W				
GS 20 S	50	13,2	20	290	3	1,6	240	220	205	Ø20	Ø18	Ø10	87
GS 25 S	50	13,2	20	290	2	1	229	279	167	Ø25	Ø18	Ø10	86
GS 35 S	100	26,4	20	290	4	1,7	314	212	257	Ø25	Ø25	Ø10	87
RM 20 S	50	13,2	20	290	3	1,6	257	193	266	Ø25	Ø25	Ø10	88
VDR 20 S	130	34,3	20	290	4	2,2	237	308	300	Ø25	Ø25	Ø10	88
ECM	160	42,3	20	290	2 - 4 - 6	1,2 ÷ 1,6 153÷306	250	252	Ø25	Ø25	Ø25	Ø12 (10-20 Opt)	85
UCM	160	42,3	20	290	2 - 4 - 6	2,3 ÷ 2,7 235÷376	320	334	Ø25	Ø25	Ø12 (10-20 Opt)	85	
IDROMINUS	160	42,3	20	290	4 - 5 - 6	3 ÷ 3,2 346÷426	320	340	Ø25	Ø25	Ø12 (10-20 Opt)	86	
VSP 200	200	53	20	290	-	0,5	110	220	72	Ø1" 1/4	Ø1	Ø1" 1/4	89
VSP 400	400	105	20	290	-	1,1	138	264	88	Ø1" 1/2	Ø1" 1/2	Ø2"	89
VSP 600	600	158	10	145	-	3,1	187	377	110	Ø2"	Ø2"	Ø2"	89



**ECM**  
AR 70bp÷AR 160bp



**UCM**  
AR 70bp÷AR 160bp



**IDROMINUS**  
AR 70bp÷AR 160bp



**VSP 200**  
AR 70bp÷AR 185bp

**VSP 400**

AR 215bp÷AR 380bp  
AR 320bp Twin÷AR 370bp Twin  
AR 320bp TwinTop÷AR 370bp TwinTop

**VSP 600**

AR 410bp÷AR 460bp  
AR 500bp Twin÷AR 560bp Twin  
AR 500bp TwinTop÷AR 560bp TwinTop

POLY



**GS 25 S**  
AR 45bp

POLY



**GS 35 S**  
AR 80bp



**GS 20 S**  
AR 70bp



**RM 20 S**  
AR 70bp÷AR 115bp



**VDR 20 S**  
AR 70bp÷AR 135bp

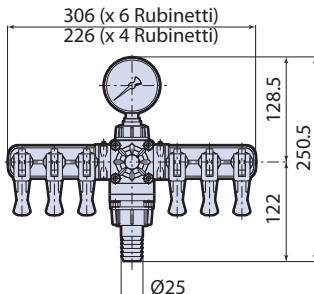
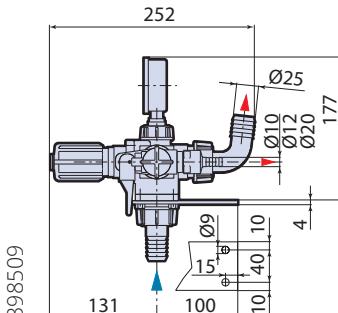
## ECM



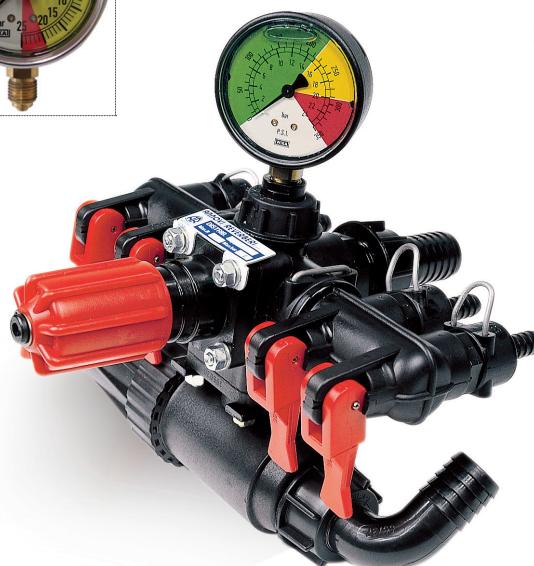
### BASSA PRESSIONE low pressure

Portata max 160 L/1'  
Pressione max 20 bar  
Temperatura max 60 °C  
Peso 1,2 ÷ 1,6 kg

Max. flow 42.3 gpm  
Max. pressure 290 psi  
Max. temperature 140 °F  
Weight 2,6 ÷ 3,5lb



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.



CM 398600  
sp\_ecm\_ecm.pdf  
MI 5754

398509

Modello / Model	ECM					
Cod.	1312	1314	1316	1322	1324	1326
N° Rubinetti No. of valves	2	4	6	2	4	6
Filtro mandata Delivery line filter	-	-	-	Sì Yes	Sì Yes	Sì Yes

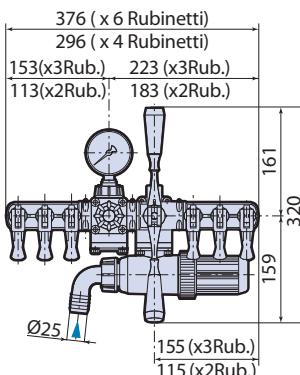
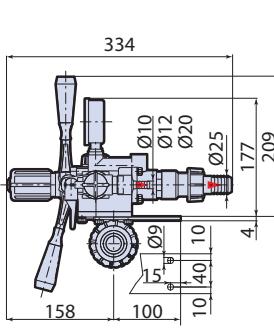
**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, completo di manometro a bagno di glicerina con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

## UCM

Portata max 160 L/1'  
Pressione max 20 bar  
Temperatura max 60 °C  
Peso 2,3 ÷ 2,7kg

Max. flow 42.3 gpm  
Max. pressure 290 psi  
Max. temperature 140 °F  
Weight 5,1 ÷ 6 lb

398510



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.



CM 398600  
sp\_ecm\_ucm.pdf  
MI 5754

398510

Modello / Model	UCM					
Cod.	1332	1334	1336	1342	1344	1346
N° Rubinetti No. of valves	2	4	6	2	4	6
Filtro mandata Delivery line filter	-	-	-	Sì Yes	Sì Yes	Sì Yes
Risucchio antigoccia Anti drip	Sì Yes	Sì Yes	Sì Yes	Sì Yes	Sì Yes	Sì Yes

**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, leva comando apertura/chiusura alimentazione barre, risucchio antigoccia e manometro a bagno di glicerina, con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

**Remote control unit** with working pressure regulating valve, bar feeding opening/closure control lever, anti drip and glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.

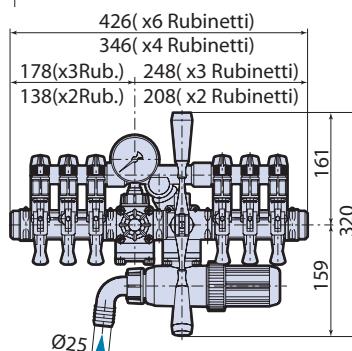
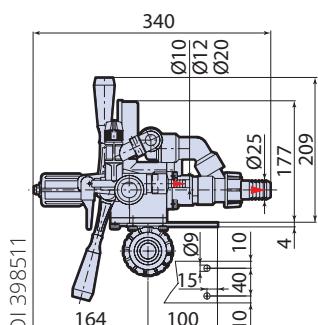


## IDROMINUS

**BASSA PRESSIONE**  
low pressure

Portata max 160 L/1'  
Pressione max 20 bar  
Temperatura max 60 °C  
Peso 3 ÷ 3,2 kg

Max. flow 42.3 gpm  
Max. pressure 290 psi  
Max. temperature 140 °F  
Weight 6,6 ÷ 7,1 lb



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.

CM filtro 398620  
sp\_idrominus.pdf  
MI 9158



Modello / Model	IDROMINUS					
Cod.	1354	1355	1356	1357	1358	1359
N° Rubinetti No. of valves	4	5	6	4	5	6
Filtro mandata Delivery line filter	-	-	-	Sì Yes	Sì Yes	Sì Yes
Risucchio antigoccia Anti drip	Sì Yes	Sì Yes	Sì Yes	Sì Yes	Sì Yes	Sì Yes

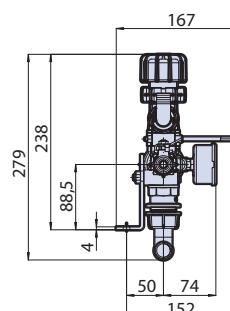
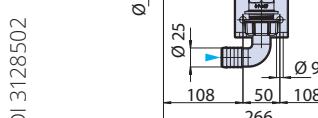
**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, completo di manometro a bagno di glicerina con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

**Remote control unit** with working pressure regulating valve, complete with glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.

## GS 25 S

Portata max 50 L/1'  
Pressione max 20 bar  
Temperatura max 60 °C  
Peso 1 kg

Max. flow 13,2 gpm  
Max. pressure 290 psi  
Max. temperature 140 °F  
Weight 2,2 lb



**BASSA PRESSIONE**  
low pressure

POLY

CM 31128601  
sp\_gs25s.pdf  
MI 91209



Modello / Model	GS 25 S	GS 25 S Viton
Cod.	911	912
N° Rubinetti No. of valves	2	2

**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, leva comando apertura/chiusura alimentazione barre, risucchio antigoccia e manometro a bagno di glicerina, con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

**Remote control unit** with working pressure regulating valve, bar feeding opening/closure control lever, anti drip and glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.

## GS 35 S

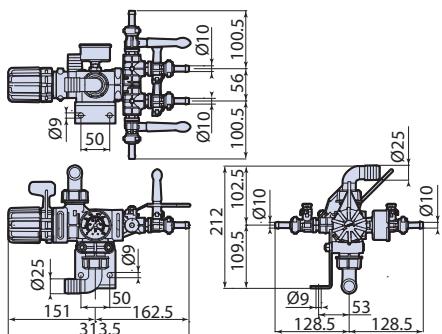


**BASSA PRESSIONE**  
low pressure

POLY

CM 3248604  
sp\_gs35s.pdf  
MI 91732

Portata max	100	L/1'	Max. flow	26,4	gpm
Pressione max	20	bar	Max. pressure	290	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,7	kg	Weight	3,7	lb



DI 3248503



Modello / Model	GS 35 S	GS 35 S Viton
Cod.	915	916
N° Rubinetti No. of valves	4	4

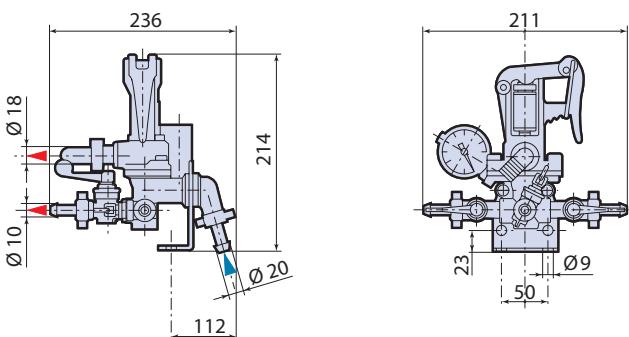
**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, completo di manometro a bagno di glicerina con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

## GS 20 S

CM 628644  
sp\_gs20\_s.pdf  
MI 99372

Portata max	50	L/1'	Max. flow	13,2	gpm
Pressione max	20	bar	Max. pressure	290	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,6	kg	Weight	3,5	lb

DI 628531



**Remote control unit** with working pressure regulating valve, complete with glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.

**BASSA PRESSIONE**  
low pressure

Modello / Model	GS 20 S
Cod.	887
N° Rubinetti No. of valves	3

**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, leva comando apertura/chiusura alimentazione barre, risucchio antigoccia e manometro a bagno di glicerina, con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.



**Remote control unit** with working pressure regulating valve, bar feeding opening/closure control lever, anti drip and glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.

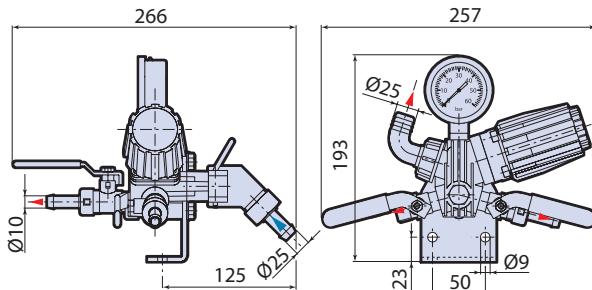


## RM 20 S

**BASSA PRESSIONE**  
low pressure

Portata max	50	L/1'	Max. flow	13,2	gpm
Pressione max	20	bar	Max. pressure	290	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,6	kg	Weight	3,5	lb

DI 1158508



Modello / Model	RM20 S
Cod.	927
N° Rubinetti No. of valves	3

**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, completo di manometro a bagno di glicerina con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

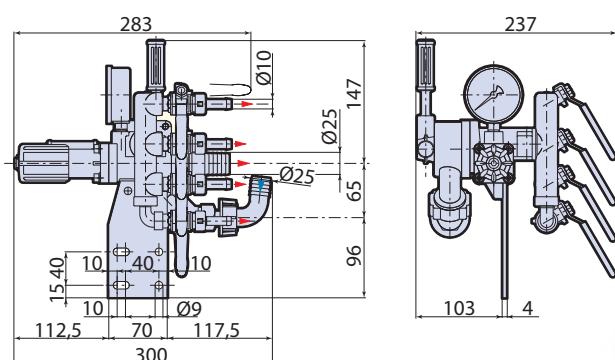
**Remote control unit** with working pressure regulating valve, complete with glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.

## VDR 20 S

**BASSA PRESSIONE**  
low pressure

Portata max	130	L/1'	Max. flow	34,3	gpm
Pressione max	20	bar	Max. pressure	290	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	2,2	kg	Weight	4,9	lb

DI 1048505



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.

CM 1048608  
sp\_vdr20s.pdf  
MI 99372

Modello / Model	VDR 20 S
Cod.	954
N° Rubinetti No. of valves	4

**Gruppo comando a distanza** con valvola di regolazione pressione lavoro, leva comando apertura/chiusura alimentazione barre, risucchio antigoccia e manometro a bagno di glicerina, con quadrante colorato, a richiesta con manometro isometrico a scala differenziale. Filtro mandata autopulente, a richiesta.

**Remote control unit** with working pressure regulating valve, bar feeding opening/closure control lever, anti drip and glycerine bath pressure gauge with coloured dial, with differential scale isometric pressure gauge on request. Self-cleaning delivery line filter supplied on request.





## VSP 200 VSP 400 VSP 600

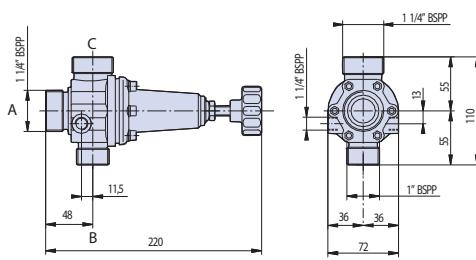


Modello / Model	VSP 200	VSP 400	VSP 600	
Cod.	51489	51490	51491	
Portata max Max flow	L/min gpm	200 53	400 105	600 158
Pressione max Max pressure	bar psi	20 290	20 290	10 145
Ø	membrana	1"	1" 1/2	2"
	A	1" 1/4	1" 1/2 (M)	2" (M)
	B	1"	1" 1/2 (M)	2" (M)
C	1" 1/4	2" (M)	2" (M)	

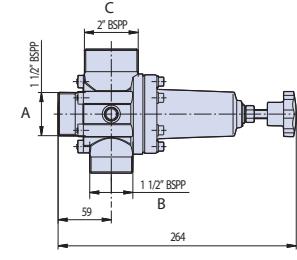
**Valvole di sicurezza di massima pressione ad intervento automatico a molla.** Realizzate in materiale plastico (nylon e fibra di vetro) particolarmente resistente ai prodotti chimici liquidi, anche aggressivi. Utilizzate come valvole di sicurezza garantiscono una pressione costante qualora non sia necessaria una regolazione continua della pressione di lavoro. Bypassa il liquido in eccesso e permette di mantenere costante la pressione di linea. Disponibile nella versione a membrana (per una migliore precisione di regolazione).

**Automatic spring-loaded maximum pressure safety valves.** These valves are made of a plastic (nylon and fiberglass) which is particularly resistant to liquid chemical products and even abrasive liquid chemical products. If they are used as safety valves, they guarantee a constant pressure whenever it is not necessary to continuously regulate the working pressure. Any excess liquid bypasses the valve and allows it to maintain a constant line pressure. Available in the membrane version (for better regulating accuracy) and the piston version (to deaden the effect of vibrations).

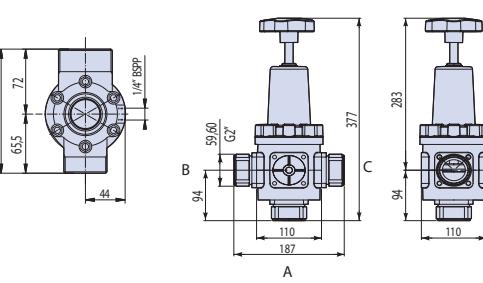
VSP 200: 1" - 1" 1/2 (3V)



VSP 400: 1" 1/2



VSP 600







# MEDIA PRESSIONE

*Medium Pressure*





## AR DUE

Kit Applicazioni pag. 98.  
Application kits page 98.

Gruppi comando vedi pag. 112.  
For control units please see page 112.

### Serie ANODIZZATA anodised series

### MEDIA PRESSIONE medium pressure



disinfestazione  
pest control



carriole  
wheelbarrows



antincendio  
fire-fighting



AR DUE SP VRI



SP VRI



SP SGC



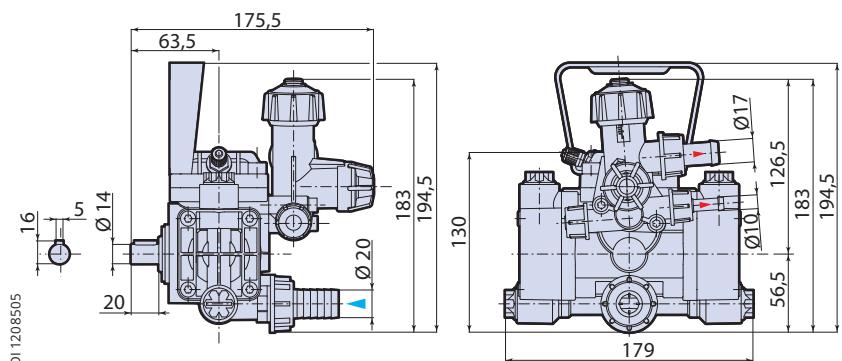
CR/xS

### Caratteristiche Generali

**Pompa a due membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, Desmopan o BlueFlex™. Tenuute in NBR. Viteria con trattamento di zincatura galvanica. Completa di camera aria.

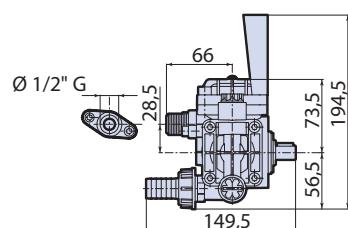
### General Features

**Semi-hydraulic two-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Complete with air chamber.



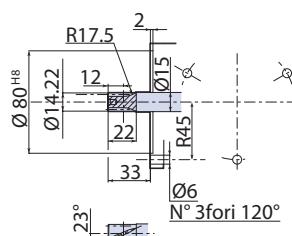
DI 1208505

SP SGC



CM 1208601  
SP\_ardue.pdf  
MI 91406

CR/xS



Dati dentatura elicoidale	
Mn	1,250
Mc	1,358
Z	8
Dp	11,73
De	14,22
Di	8,81
press.	20°
A elica	23° sinistra
Wildab. 3Z	6,01 <sub>0,03</sub>
Interasse	48,20
Rapp. Tras.	1:7,875

DI 800260

MOD	COD				MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F		NET
	SP VRI	SP SGC	CR/xS											
AR DUE NBR	118	116	123	13	3,5	20	290	1450	60	140	2,1	4,6		
AR DUE B	32087	32088	32089	13	3,5	20	290	1450	60	140	2,1	4,6		

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR** **Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

	RPM												
	1000		1200		1300		1400		1450				
bar	psi	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP
<b>AR DUE</b>													
0	0	9	2,4	0,1	11	2,8	0,1	12	3	0,2	13	3,5	0,2
10	145	8,6	2,3	0,1	10,3	2,7	0,3	11,2	3	0,3	12,5	3,3	0,3
15	218	8,3	2,2	0,3	9,9	2,6	0,4	10,8	2,9	0,4	12,0	3,2	0,5
20	290	8,1	2,2	0,4	9,8	2,6	0,5	10,6	2,8	0,6	11,8	3,1	0,6



## AR 202 - AR 252

### Serie ANODIZZATA anodised series

Kit Applicazioni pag. 98.  
Application kits page 98.

Gruppi comando vedi pag. 112.  
For control units please see page 112.

### MEDIA PRESSIONE medium pressure



disinfestazione  
pest control



carriole  
wheelbarrows



antincendio  
fire-fighting



AR 252 SP SGC



AR 202 SP VRI



SP VRI



SP SGC



AP SP SGC



CR/XS

### Caratteristiche Generali

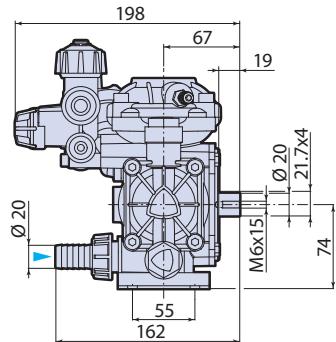
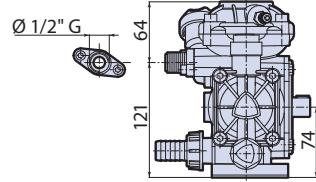
**Pompa a due membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, Desmopan, Viton o BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di camera aria.

### General Features

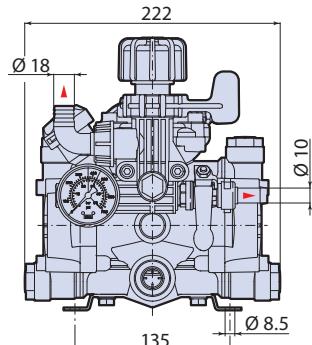
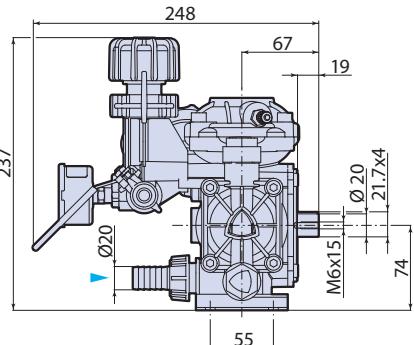
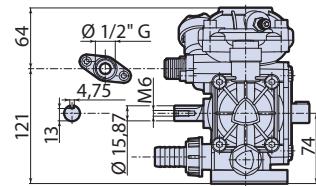
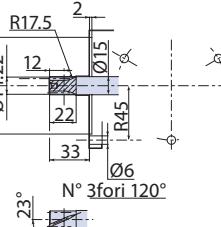
**Semi-hydraulic two-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Complete with air chamber.


**AR 202 SP VRI**

DI 808520 - AR202 SP VRI


**SP SGC**
CM 808621  
SP\_ar202\_ar252.pdf  
MI 91407
**AR 252 SP VRI GR30**

DI 808565 - AR252 SP


**AP SP SGC**

**CR/xS**

**Dati dentatura elicoidale**

Mn	1,250
Mc	1,358
Z	8
Dp	11,73
De	14,22
Di	8,81
A press.	20°
A elica	23° sinistra
Wildab. 3Z	6,01 <sup>0</sup> <sub>-0,03</sub>
Interasse	48,20
Rapp. Tras.	1:7,875

DI 800260

MOD	COD			MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	SP VRI	SP SGC	CR/xS										
<b>AR 202 NBR</b>	<b>153</b>	<b>157</b>	<b>163</b>		23,2	6,1	20	290	650	60	140	4	8,8
<b>AR 202 B</b>	<b>32090</b>	<b>32091</b>	<b>32092</b>		23,2	6,1	20	290	650	60	140	4	8,8
<b>AR 252 NBR</b>	-	<b>158</b>	-		24,6	6,5	25	362	650	60	140	4	8,8
<b>AR 252 B</b>	-	<b>32093</b>	-		24,6	6,5	25	362	650	60	140	4	8,8
<b>AR 252 AP NBR</b>	-	<b>159</b>	-		24,6	6,5	25	362	650	60	140	4	8,8
<b>AR 252 AP B</b>	-	<b>32094</b>	-		24,6	6,5	25	362	650	60	140	4	8,8

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

MAX	400					500					600					650				
	bar	psi	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP			
<b>AR 202</b>																				
0	0	15,0	4,0	0,09	18,1	4,8	0,13	21,7	5,7	0,19	23,2	6,1	0,21							
5	72	11,8	3,1	0,23	14,7	3,9	0,30	17,7	4,7	0,38	19,2	5,1	0,39							
10	145	11,3	3,0	0,36	14,2	3,8	0,47	17,1	4,5	0,55	18,5	4,9	0,59							
15	218	11,2	3,0	0,50	14,1	3,7	0,62	16,9	4,5	0,74	18,3	4,8	0,80							
20	290	11,1	2,9	0,60	14,0	3,7	0,79	16,8	4,4	0,93	18,2	4,8	1,02							
<b>AR 252</b>																				
0	0	16,0	4,2	0,13	20,5	5,4	0,19	23,1	6,1	0,21	24,6	6,5	0,24							
5	72	13,5	3,6	0,30	17,3	4,6	0,38	20,8	5,5	0,46	22,2	5,9	0,46							
10	145	13,2	3,5	0,44	16,6	4,4	0,58	19,8	5,2	0,64	21,3	5,6	0,71							
15	218	13,1	3,5	0,58	16,4	4,3	0,76	19,6	5,2	0,89	21,2	5,6	0,98							
20	290	13,0	3,4	0,72	16,3	4,3	0,94	19,5	5,2	1,11	21,0	5,6	1,21							
25	362	12,9	3,4	0,87	16,2	4,3	1,10	19,3	5,1	1,33	20,9	5,5	1,42							



## KIT APPLICAZIONI

MEDIA PRESSIONE

*medium pressure*

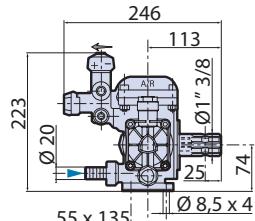
AR DUE

AR 202

AR 252

*application kits*

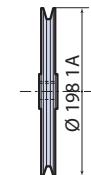
### Kit Appl.C cod.1488



DI 808562

AR202 - AR252  
Cardano 1" 3/8 • 1" 3/8 universal shaft

### Kit Appl.P cod.1500



AR202 - AR252  
Puleggia 1A Ø198mm  
Pulley 1A Ø198mm

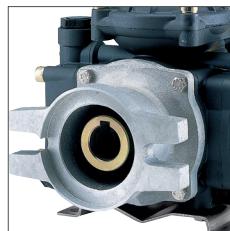
### Kit Appl.FM/FT (1)



AR202 - AR252  
Vedi listino prezzi · See price-list

Per motocoltivatori, motozappe,  
trattori  
For motor-cultivators, motor-hoes,  
tractors.

### Kit Appl. IDM (1)



ARDUE < AR252  
Codice vedi pag. 186  
Code see page 186

Per motori idraulici  
For hydraulic motors

I codici si riferiscono al solo kit applicazione, pompa esclusa.

(1) Le dimensioni di questi kit applicazione variano a seconda della marca e del tipo di macchina a cui deve essere applicata la pompa.

The part numbers refer to the application kit only, excluding the pump.

(1) The dimensions of these kits vary according to the make and type of machine the pump is to be installed on.

Le applicazioni sono da utilizzare solamente con le opportune protezioni a tutela dell'operatore.

The applications should be used only with the proper protective equipment for the safety of the operator.

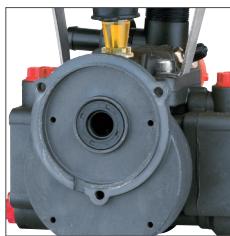
# KIT APPLICAZIONI

application kits

## MEDIA PRESSIONE

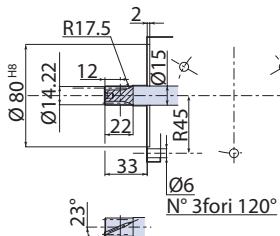
medium pressure

**AR DUE**  
**AR 202**  
**AR 252**



**CR 1:4,6**  
cod.1606

**ARDUE**  
Riduttore per motori scoppio 2 tempi speciali, con base motore.  
*Reduction gear for special two-stroke engines, with motor base.*



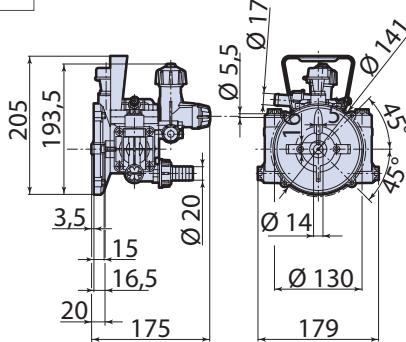
Dati dentatura elicoidale	
Mn	1,250
Mc	1,358
Z	8
Dp	11,73
De	14,22
Di	8,81
A press.	20°
A elica	23° sinistra
Wildab. 3Z	6,01 <sup>0</sup> <sub>-0,03</sub>
Interasse	48,20
Rapp. Tras.	1:7,875



**FLANGIA - FLANGE**  
cod.1603

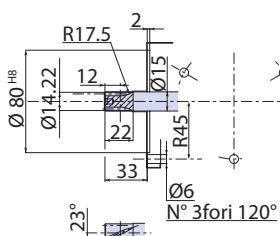
**ARDUE**

Flangia accoppiamento diretto con motori elettrici monofase-trifase speciali 4 poli 1450 rpm.  
*Direct coupling flange with special four-pole single/three-phase electric motors 1450 rpm.*



**CR 1:7,8**  
cod.1610

**AR202 - AR252**  
Riduttore per motori scoppio 2 tempi speciali, con base motore.  
*Reduction gear for special two-stroke engines, with motor base.*



Dati dentatura elicoidale	
Mn	1,250
Mc	1,358
Z	8
Dp	11,73
De	14,22
Di	8,81
A press.	20°
A elica	23° sinistra
Wildab. 3Z	6,01 <sup>0</sup> <sub>-0,03</sub>
Interasse	48,20
Rapp. Tras.	1:7,875



**CR 1:4,3 Ø 5/8"** cod.1615

**CR 1:4,3 Ø18mm cod.1618**

**CR 1:6 Ø15mm cod.1622**

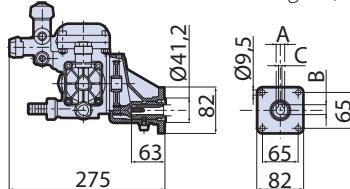
**CR 1:6 Ø 5/8" cod.1617**

**CR 1:4,3 Ø 3/4" cod.1613**

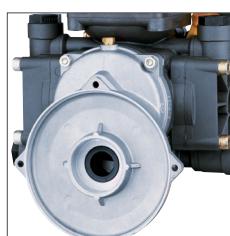
**AR202 - AR252**

Riduttori motori a scoppio 4 tempi, flangia SAE J609a.

*Reduction gears for four-stroke engines, SAE J609a flange*

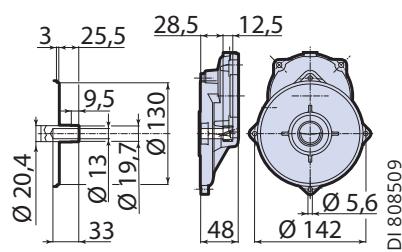


Cod.	1615	1618	1622	1617	1613
Ratio	1:4,3	1:4,3	1:6	1:6	1:4,3
A	Ø15,86	Ø18	Ø15	Ø15,86	Ø19,05
B	18,2	20,5	17,5	18,2	21,4
C	4,8	5	5	4,8	4,8



**CR 1:4,3**  
cod.1608

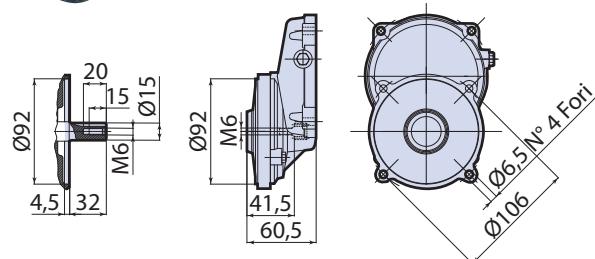
**AR202 - AR252**  
Riduttore motori elettrici speciali mono/trifase 2poli (2800 rpm)  
*Reduction gear for special two-stroke engines, with motor base (2800 rpm).*



**CR 1:7,8 Ø15mm** cod.1605

**AR202 - AR252**

Riduttore 1:7,8 per motori a scoppio albero cilindrico  
*1:7,8 reduction gear for special four-stroke engines with motor base*



DI 808569  
CM 808632



## AR 303 - AR 403

### Serie ANODIZZATA anodised series

Kit Applicazioni pag. 110.

Application kits page 110.

Gruppi comando vedi pag. 112.

For control units please see page 112.

### MEDIA PRESSIONE

medium pressure



disinfestazione  
pest control



carriole  
wheelbarrows



antincendio  
fire-fighting



AR 403 SP



SP



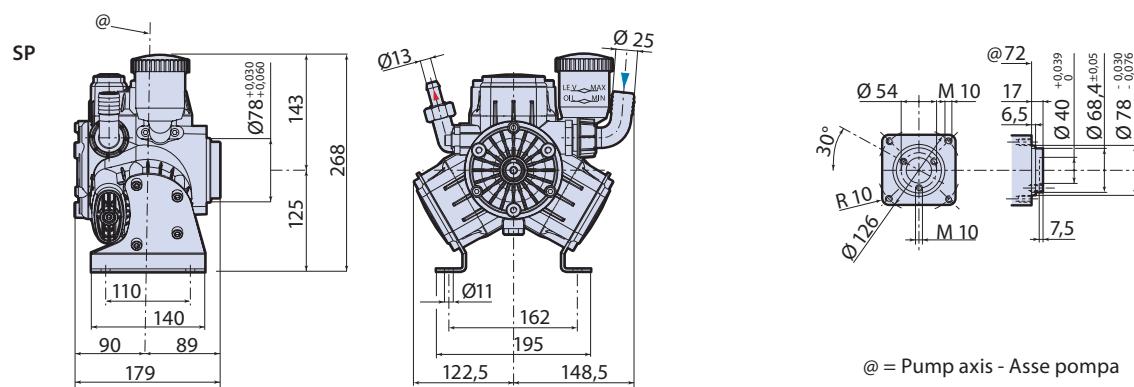
AP C/SP

### Caratteristiche Generali

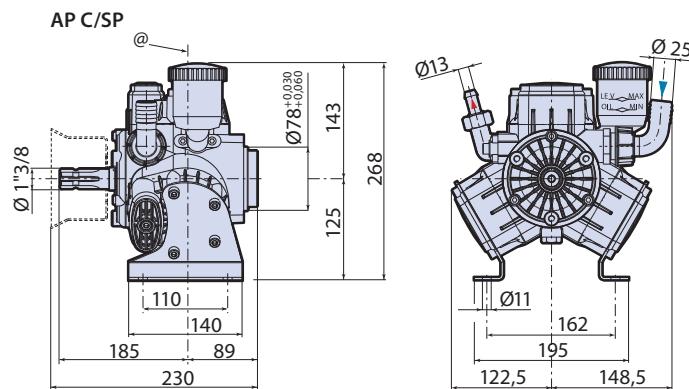
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with cardan protection.



1888500 - AR403 SP



CM 1888600  
Sp\_ar403\_ar403.pdf  
MI 91408

MOD	COD		MAX	MAX	RPM			NET			
	SP	AP C/SP	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
<b>AR 303 NBR</b>	<b>235</b>	-	34,7	9,2	40	580	550	60	140	9	19,8
<b>AR 303 B</b>	<b>32099</b>	-	34,7	9,2	40	580	550	60	140	9	19,8
<b>AR 403 NBR</b>	<b>460</b>	-	40,7	10,7	40	580	550	60	140	9	19,8
<b>AR 403 B</b>	<b>32100</b>	-	40,7	10,7	40	580	550	60	140	9	19,8
<b>AR 403 AP NBR</b>	-	<b>461</b>	40,7	10,7	40	580	550	60	140	9	19,8
<b>AR 403 AP B</b>	-	<b>32101</b>	40,7	10,7	40	580	550	60	140	9	19,8

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

		400				450				500				550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	
<b>AR 303</b>																	
0	0	25,8	6,8	0,2	28,6	7,6	0,2	30,9	8,2	0,3	34,7	9,2	0,3				
10	145	24,8	6,5	0,7	27,9	7,4	0,8	30,8	8,1	0,9	33,8	8,9	1,0				
20	290	24,1	6,4	1,2	27,7	7,3	1,4	30,3	8,0	1,5	33,2	8,8	1,7				
30	435	23,8	6,3	1,8	26,9	7,1	1,9	30,1	7,9	2,2	32,4	8,6	2,4				
40	580	23,2	6,1	2,2	26,0	6,9	2,5	29,9	7,9	2,7	31,9	8,4	3,1				
<b>AR 403</b>																	
0	0	30,3	8,0	0,3	33,3	8,8	0,3	37,2	9,8	0,4	40,7	10,7	0,4				
10	145	28,9	7,6	0,9	32,1	8,5	1,0	36,4	9,6	1,0	39,4	10,4	1,2				
20	290	28,0	7,4	1,5	31,7	8,4	1,6	35,4	9,3	1,8	38,5	10,2	2,1				
30	435	27,6	7,3	2,0	31,5	8,3	2,3	34,6	9,1	2,5	38,3	10,1	2,9				
40	580	27,5	7,3	2,6	31,0	8,2	3,0	34,1	9,0	3,3	38,1	10,1	3,7				



## AR 503

### Serie ANODIZZATA anodised series

Kit Applicazioni pag. 110.

Application kits page 110.

Gruppi comando vedi pag. 112.

For control units please see page 112.

### MEDIA PRESSIONE

medium pressure



disinfestazione  
pest control



carriole  
wheelbarrows



antincendio  
fire-fighting



AR 503 SP



SP



AP C/SP

### Caratteristiche Generali

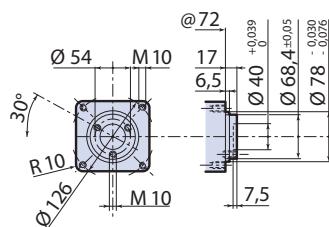
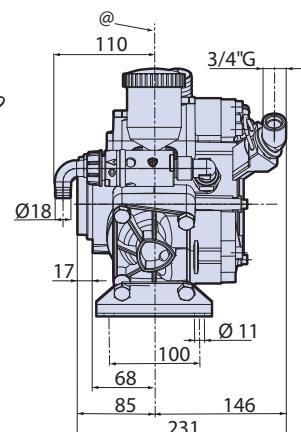
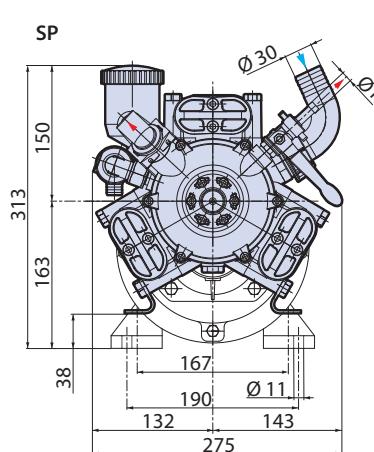
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrapressione con riarmo e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm and cardan protection.

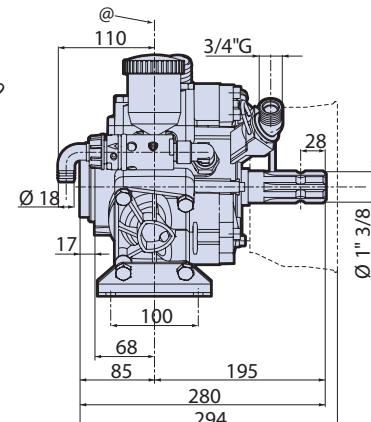
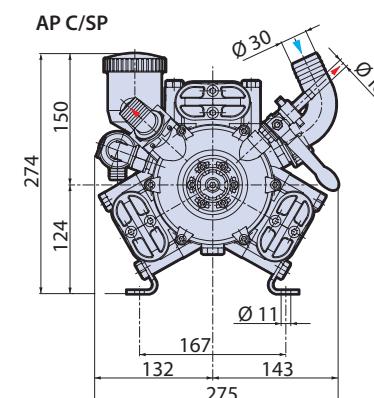


DI 1308504 - AR503 SP



@ = Pump axis - Asse pompa

DI 1308500 - AR503 C/SP



CM 1308600  
sp.ap503.pdf  
MI 91409

MOD	COD		MAX	MAX	RPM		NET				
	SP	AP C/SP	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
<b>AR 503 NBR</b>	<b>501</b>	-	54,1	14,3	40	580	550	60	140	11,5	25,4
<b>AR 503 B</b>	<b>32102</b>	-	54,1	14,3	40	580	550	60	140	11,5	25,4
<b>AR 503 AP NBR</b>	-	<b>509</b>	54,1	14,3	40	580	550	60	140	11,5	25,4
<b>AR 503 AP B</b>	-	<b>32103</b>	54,1	14,3	40	580	550	60	140	11,5	25,4

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm  
**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

MAX	RPM									
	400		450		500		550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 503</b>										
0	0	45,5	12,0	0,8	47,2	12,5	0,9	50,5	13,3	1,1
10	145	43,9	11,6	1,7	44,8	11,8	1,9	49,7	13,1	2,0
20	290	43,1	11,4	2,7	44,0	11,6	2,8	48,3	12,8	3,0
30	435	42,5	11,2	3,6	43,6	11,5	3,9	47,4	12,5	4,2
40	580	41,6	11,0	4,7	42,9	11,3	5,0	47,2	12,5	5,4
										50,5
										13,3
										5,6



## AR 30

### Serie PLASTIFICATA plastic-coated series

Kit Applicazioni pag. 110.

Application kits page 110.

Gruppi comando vedi pag. 112.

For control units please see page 112.

### MEDIA PRESSIONE

medium pressure



disinfestazione  
pest control



carriole  
wheelbarrows



antincendio  
fire-fighting



AR 30 SP



BlueFlex



SP



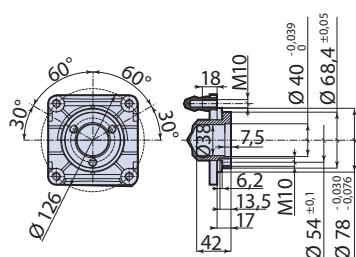
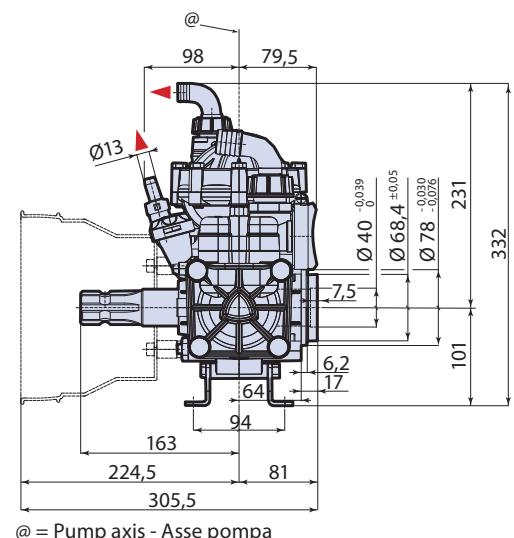
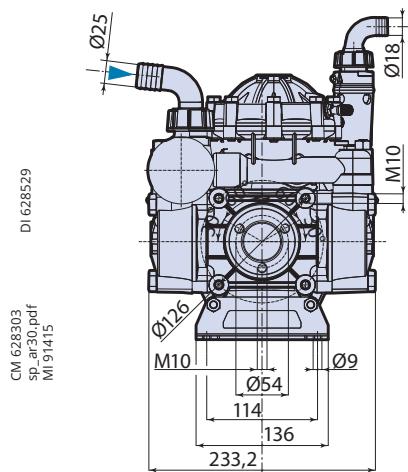
AP C/SP

### Caratteristiche Generali

**Pompa a due membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria, compensatore di pulsazioni in aspirazione e cuffia di protezione cardano.

### General Features

**Semi-hydraulic two-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber, suction pulsation dampener and cardan protection.



MOD	COD			MAX	MAX	RPM		NET			
	SP	AP C/SP									
<b>AR 30 NBR</b>	<b>301</b>	-	36,2	9,6	40	580	550	60	140	9,3	20,5
<b>AR 30 B</b>	<b>32095</b>	-	36,2	9,6	40	580	550	60	140	9,3	20,5
<b>AR 30 AP NBR</b>	-	<b>335</b>	36,2	9,6	40	580	550	60	140	9,3	20,5
<b>AR 30 AP B</b>	-	<b>32096</b>	36,2	9,6	40	580	550	60	140	9,3	20,5

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm  
 **NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

	400			450			500			550			
bar	psi	I/min	gpm	HP									
<b>AR 30</b>													
0	0	26,1	6,9	0,2	29,5	7,8	0,2	32,8	8,7	0,3	36,2	9,6	0,6
10	145	22,9	6,0	0,7	25,3	6,7	0,8	28,6	7,6	0,9	30,9	8,2	1,0
20	290	22,1	5,8	1,1	24,7	6,5	1,3	27,5	7,3	1,5	30,4	8,0	1,6
30	435	21,9	5,8	1,7	24,6	6,5	1,9	27,1	7,2	2,1	29,5	7,8	2,3
40	580	21,6	5,7	2,1	24,0	6,3	2,4	26,5	7,0	2,7	29,4	7,8	2,9



AR 40

**Serie PLASTIFICATA**  
plastic-coated series

Kit Applicazioni pag. 110.

Application kits page 110.

Gruppi comando vedi pag. 112.

For control units please see page 112.

**MEDIA PRESSIONE**

medium pressure

disinfestazione  
pest controlcarriole  
wheelbarrowsantincendio  
fire-fighting

AR 40 SP



SP

**Caratteristiche Generali**

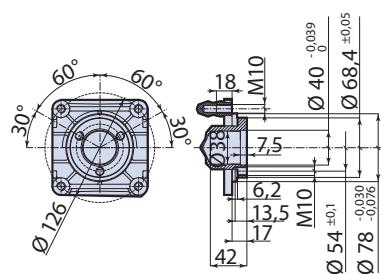
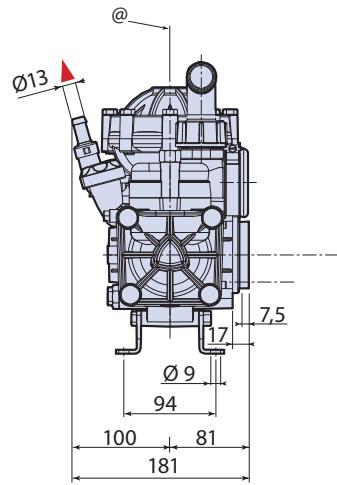
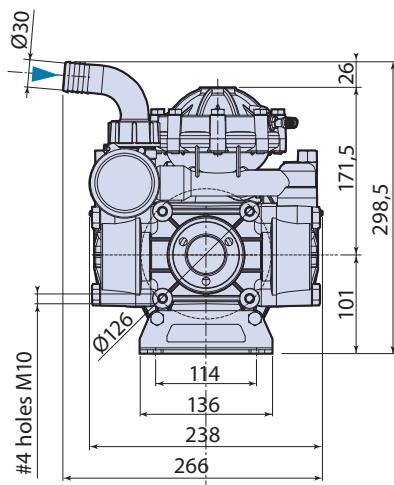
**Pompa a due membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarma, camera aria, compensatore di pulsazioni in aspirazione e cuffia di protezione cardano.

**General Features**

**Semi-hydraulic two-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber, suction pulsation dampener and cardan protection.



sp\_ar40.pdf  
M 91415



@ = Pump axis - Asse pompa

MOD	COD							kg	lb	
	SP	l/min	gpm	bar	psi	N°giri/1'	°C	°F		
<b>AR 40</b> 	<b>31829</b>	46,3	12,2	40	580	550	60	140	9,5	20,9

**B** **Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm  
**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

 MAX									 RPM							
	400				450					500				550		
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 40</b>																
0	0	37,3	9,9	0,1	41,5	11,0	0,3	45,3	12,0	0,3	46,3	12,2	0,4			
10	145	29,2	7,7	0,8	32,7	8,6	0,8	35,9	9,5	0,9	41,4	10,9	1,1			
20	290	29,0	7,7	1,3	31,3	8,3	1,5	34,8	9,2	1,6	40,7	10,8	1,9			
30	435	28,0	7,4	1,9	31,1	8,2	2,1	34,7	9,2	2,4	39,5	10,4	2,7			
40	580	27,6	7,3	2,4	29,7	7,8	3,0	34,4	9,1	3,1	38,9	10,3	3,5			



AR 50

**Serie PLASTIFICATA**  
plastic-coated series

Kit Applicazioni pag. 110.

Application kits page 110.

Gruppi comando vedi pag. 112.

For control units please see page 112.

**MEDIA PRESSIONE**

medium pressure

disinfestazione  
pest controlcarriole  
wheelbarrowsantincendio  
fire-fighting

AR 50 SP



SP



AP C/SP

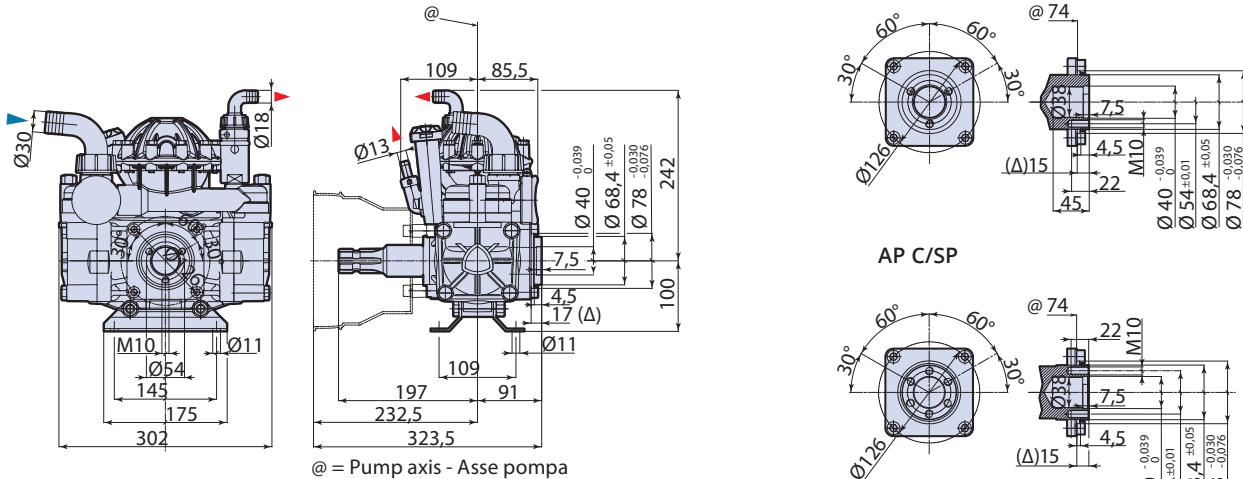
**Caratteristiche Generali**

**Pompa a due membrane idrauliche.** Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria, compensatore di pulsazioni in aspirazione e cuffia di protezione cardano.

**General Features**

**Semi-hydraulic two-diaphragm pump.** Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber suction pulsation dampener and cardan protection.

DI 658500

CM 658603  
sp\_ar50.pdf  
MI 91416

- △ Nelle pompe C/SP la quota  $\Delta$  17 si riduce a 15 con la flangia anello tenuta montata sul corpo pompa. N.B. Togliere la flangia anello tenuta cod. 1400140 prima di accoppiare il riduttore alla pompa.  
 △ In C/SP pumps the value  $\Delta$  17 is reduced to 15 with the seal ring flange mounted on the pump body. N.B. Remove the seal ring flange code 1400140 before fitting the reduction gear to the pump.

MOD	COD					N°giri/1'	°C	°F	NET		
									kg	lb	
<b>AR 50 NBR</b>	<b>401</b>	-	65,8	17,4	40	580	550	60	140	16	39,3
<b>AR 50 B</b>	<b>32097</b>	-	65,8	17,4	40	580	550	60	140	16	39,3
<b>AR 50 AP NBR</b>	-	<b>429</b>	65,8	17,4	40	580	550	60	140	16	39,3
<b>AR 50 AP B</b>	-	<b>32098</b>	65,8	17,4	40	580	550	60	140	16	39,3

**B** Pompa con Membrane in BlueFlex™  
 Pumps with BlueFlex™ diaphragm  
**NBR** Pompa con Membrane in NBR  
 Pumps with NBR diaphragm

	RPM									
	400		450		500		550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 50</b>										
0	0	48,0	12,7	0,5	53,9	14,2	0,6	60,5	16,0	0,8
10	145	40,6	10,7	1,2	45,2	11,9	1,5	50,7	13,4	1,6
20	290	40,5	10,7	2,1	44,8	11,8	2,4	49,7	13,1	2,7
30	435	40,3	10,6	3,0	43,9	11,6	3,4	49,0	12,9	3,8
40	580	38,9	10,3	3,8	43,6	11,5	4,4	48,8	12,9	4,9
									53,3	14,1
										5,2

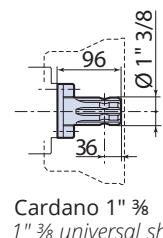
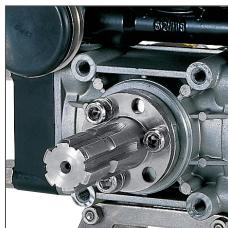


# KIT APPLICAZIONI

application kits

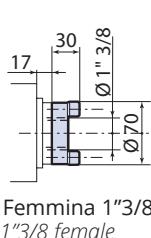
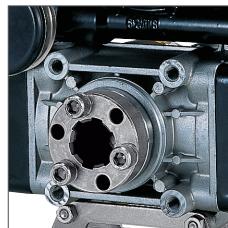
MEDIA PRESSIONE AR 303  
medium pressure  
AR 403  
AR 503  
AR 30  
AR 40  
AR 50

## Kit Appl.C cod.1519

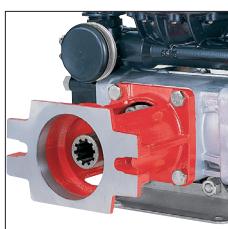


CM 658603  
MI 5775

## Kit Appl.F cod.1510



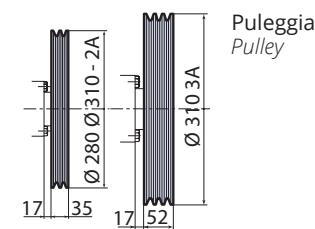
## Kit Appl.FM/FT (1)



Cod. vedi listino prezzi.  
Code see price-list.

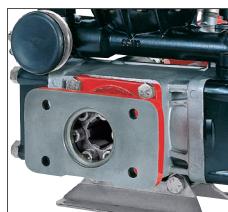
Per motocoltivatori, motozappe,  
trattori.  
For motor-cultivators, motor-hoes,  
tractors.

## Kit Appl.P



Kit Appl. P cod.1504 Ø280 2A  
Kit Appl. P cod.1495 Ø310 2A  
Kit Appl. P cod.1520 Ø310 3A

## Kit Appl.FDG (1)



Codice vedi tabella.  
Code see table.

Per moltiplicatori.  
For overgears.

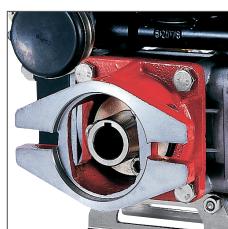
Marca Make	Tipo · Type	KIT APPL. FDG Cod.
Bima	CAR 3 P Foratura esterna 160x75	5330
	CAR 3 P Foratura interna 70x82	5328
	M30N - M47N - M60N	5348
	MSC	5355
CMV	MA 50 Foratura esterna 160x75	5330
	MA 50 Foratura interna 70x82	5328
	MA86 MA86S MA107 MA107S MA110	5348
	MA110S MA110 3V	
Comer	A 4 A	55365
	D4 D7 D21 D27	5348
Fieni	CM 9 PG	55355
	Moltiplicatore V1	5290
GB	AP102	55365
	AT39	5330
	AT46 - AT53 - AT55 - AT65 - AT70	5348
Reduco	R810 R830 R840	5348

I codici si riferiscono al solo kit applicazione, pompa esclusa.  
Le applicazioni sono da utilizzare solamente con le opportune protezioni a tutela dell'operatore.

(1) Le dimensioni di questi kit applicazione variano a seconda della marca e del tipo di macchina a cui deve essere applicata la pompa.

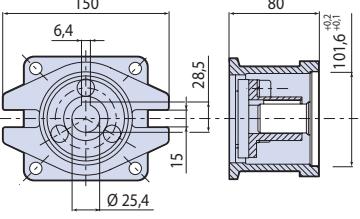
110

## Kit Appl.IDM/IDP

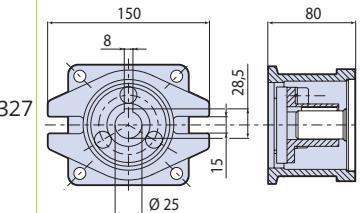
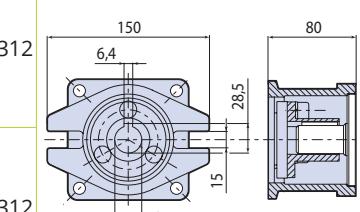
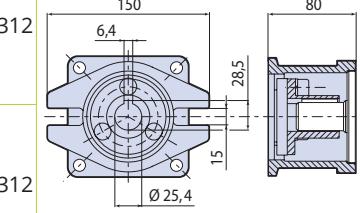


Per motori e pompe idrauliche.  
For hydraulic motors and pumps.

Applicazioni "IDP" per pompe idrauliche  
Fittings for hydraulic pumps "IDP"

Marca Make	Tipo Type	Codice Code	Dimensioni Dimensions
Casappa Salami	Pompe gruppo 3 flangia SAE - 1"	5335	

Applicazioni "IDM" per motori idraulici  
Fittings for hydraulic motors "IDM"

Marca Make	Tipo Type	Codice Code	Dimensioni Dimensions
Sauer Danfoss	OMP 25 - 32 40 - 50 albero Ø25mm 80 - 100 - 160 OMR 80 OMR 100	5327	
	OMP 50 albero Ø25,4 mm (Ø 1") 80 - 100 - 160 OMR 80 OMR 100	5312	
Char- Lynn Eaton	Serie 2000 albero Ø25,4mm (Ø1") Tipo 2 - 80,2- 100,2 160	5312	

The part numbers refer to the application kit only, excluding the pump.  
The applications should be used only with the proper protective equipment for the safety of the operator.

(1) The dimensions of these kits vary according to the make and type of machine the pump is to be installed on.

# KIT APPLICAZIONI

application kits

## MEDIA PRESSIONE

medium pressure

**AR 303**

**AR 30**

**AR 403**

**AR 40**

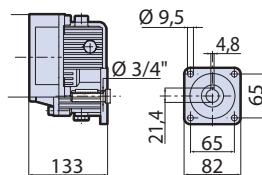
**AR 503**

**AR 50**



**CR 1:5,9 Ø 3/4"**  
cod.1636

Riduttori motori a scoppio 4 tempi,  
flangia SAE J609a  
*Reduction gears for four-stroke  
engines with SAE J609a flange*

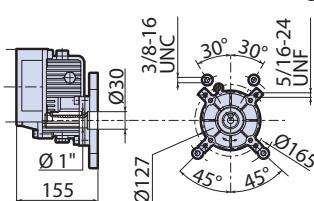


CM 628600



**CR 1:5,9 Ø 1"**  
cod.1639

Riduttori motori a scoppio 4 tempi,  
flangia SAE J609a  
*Reduction gears for four-stroke  
engines with SAE J609a flange*

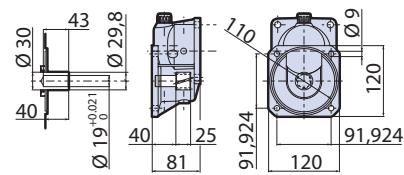


CM 658600

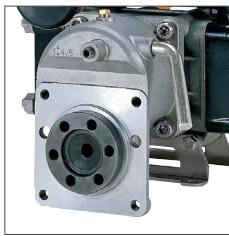


**CR 1:2,85**  
cod.1624

Riduttore motori elettrici speciali  
trifase 4 poli (1450 rpm)  
*Reduction gear for special 4-pole  
three-phase electric motors (1450 rpm)*

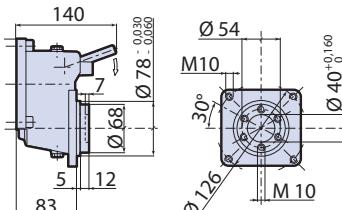


DI 658515  
CM 628604

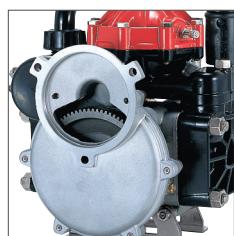


**CR 1:2,6 cod.1646**  
**CR 1:4,5 cod.1645**

Riduttori con innesto-disinnesto, per  
macchine agricole  
*Reduction gears w/engagement-  
disengagement for agricultural  
machinery*

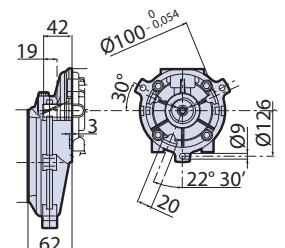


CM 628604



**CR 1:8,8**  
cod.1630

Riduttore motori speciali 2 tempi.  
*Reduction gear for special two-stroke  
engines.*



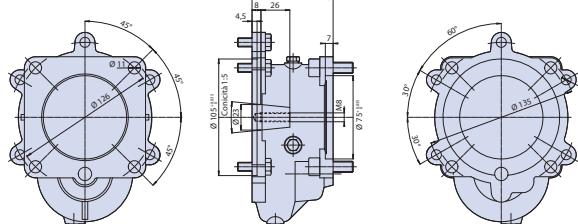
CM 628632

Dati dentatura elicoidale	
Mn	1,5
Mc	1,629
Z	9
Dp	16,17
De	19,17
Di	12,67
A press.	20°
A elica	23° sinistra
W 2	6,01 <sup>0</sup> <sub>-0,03</sub>
Spess. N° 2 denti	



**CR 1:5,9**  
cod.1632

Riduttori motori a scoppio speciali  
albero conico.  
*Reduction gears for special petrol  
engines with conical shaft*



DI 628509  
CM 628633

Per pompe versione  
For version pump

Tipo Type	SP										
	Kit Appl. C	Kit Appl. F	Kit Appl. P	Kit Appl. FM/FT	Kit Appl. FDG	Kit Appl. IDM/IDP	CR 1:8,8 x S	CR 1:5,9 x S	CR 1:5,9 x S	CR 1:2,6 CR 1:4,5	CR 1:2,85 x ET
AR 303	cod. 1519	cod. 1510	cod. 1504 cod. 1495	Vedi listino See price list		pag 194	pag 186	cod. 1630	cod. 1632	cod. 1636	cod. 1646 cod. 1645
AR 403											cod. 1624
AR 503	cod. 1519	cod. 1510	cod. 1495 cod. 1520	Vedi listino See price list	pag 194	pag 186	-	cod. 1632	cod. 1639	cod. 1646 cod. 1645	cod. 1624
AR 30	cod. 1519	cod. 1510	cod. 1504 cod. 1495	Vedi listino See price list		-	pag 186	cod. 1630	cod. 1632	cod. 1636	cod. 1646 cod. 1645
AR 40	cod. 1519	cod. 1510	cod. 1504 cod. 1495	Vedi listino See price list		-	-	cod. 1630	cod. 1632	cod. 1636	cod. 1646 cod. 1645
AR 50	cod. 1519	cod. 1510	cod. 1495 cod. 1520	Vedi listino See price list	pag 194	pag 186	-	cod. 1632	cod. 1639	cod. 1646 cod. 1645	cod. 1624



## GRUPPI COMANDO

MEDIA PRESSIONE

*medium pressure*

*control units*

Tipologia Type	Portata max Max delivery	L/1' gpm	Pressione max Max pressure	bar psi	Nº Rubinetti Valves	Peso Weight	Ingresso Inlet	Scarico Return	Uscita Outlet	Pag.
VR 20 S	25	5,7	20	290	1	1	Ø13	Ø16	Ø8	113
GR 20 S	40	10,6	20	290	2 (+1)	1,2	Ø13	Ø18	Ø10	113
GR 30	40	10,6	25	360	1 (+2)	1,2	Ø13	Ø18	Ø10	114
GR 40	40	10,6	40	580	2 (+1)	1,2	Ø13	Ø18	Ø10	117
<b>NEW</b> GMC 40	80	21,1	40	580	(2)	1,2	¾"G	Ø25	Ø10	115
GI 30	80	21,1	40	580	(1)	1,2	Ø13	Ø18	Ø10	118
GI 40	80	21,1	40	580	2 (+1)	1,6	Ø13	Ø18	Ø10	119
RM 40	50	13,2	40	580	2 (+1)	1,6	¾"G	Ø18	Ø10	120
VDR 50	130	34,3	50	725	2 (+2)	2,2	¾"G	Ø25	Ø13	122



**VR 20 S**  
AR DUE, AR 202



**GR 20 S**  
AR DUE, AR 202, AR 252



**GR 30\***  
AR 252



**GI 30\***  
AR 252



**GI 40\***  
AR 30, AR 40, AR 50  
AR 303, AR 403, AR 503



**GR 40**  
AR 303, AR 403, AR 503



**GMC 40**  
AR 303, AR 403, AR 503, AR 50



**RM 40\***  
AR 503, AR 30, AR 40, AR 50



**VDR 50\***  
AR 503, AR 30, AR 40, AR 50



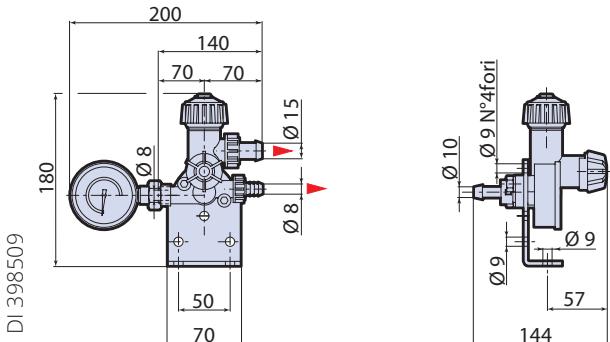
\* Le foto si riferiscono a gruppi comando versione "a distanza".  
\* The photos are relative to "remote" control unit versions.

## VR 20 S



MEDIA PRESSIONE  
medium pressure

Portata max	25	L/1'		Max. flow	5,7	gpm	
Pressione max	20	bar		Max. pressure	290	psi	
Temperatura max	60	°C		Max. temperature	140	°F	
Peso	1	kg		Weight	2,2	lb	



CM 808601  
sp\_vr20s\_gr20s.pdf

Modello / Model	VR 20 S
Cod.	890
N° uscite No. of valves	1



AR DUE      AR 202

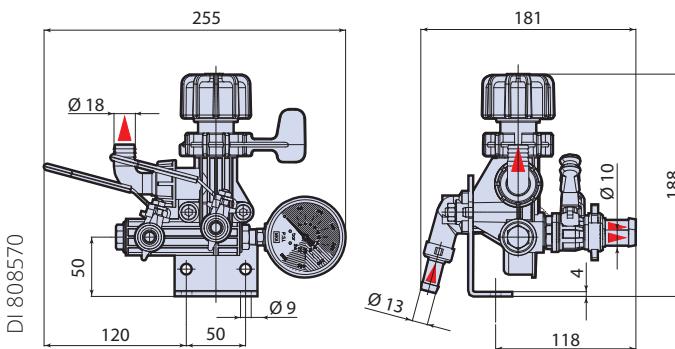
**Valvola regolazione separata**, con manometro per AR DUE, AR 202 SGC.

**Separate regulating valve**, with pressure gauge for AR DUE, AR 202 SGC pumps.

## GR 20 S

MEDIA PRESSIONE  
medium pressure

Portata max	40	L/1'		Max. flow	10,6	gpm	
Pressione max	20	bar		Max. pressure	290	psi	
Temperatura max	60	°C		Max. temperature	140	°F	
Peso	1,2	kg		Weight	2,6	lb	



CM 11888650  
sp\_vr20s\_gr20s.pdf

Modello / Model	GR 20 S
Cod.	886
N° rubinetti No. of valves	2



AR DUE      AR 202      AR 252

**Gruppo comando con valvola di regolazione pressione lavoro**, leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato, per AR DUE, AR 202, AR 252.

**Control unit with working pressure regulating valve, by-pass control lever and glycerine bath pressure gauge with coloured dial** for AR DUE, AR 202, AR 252 pumps.

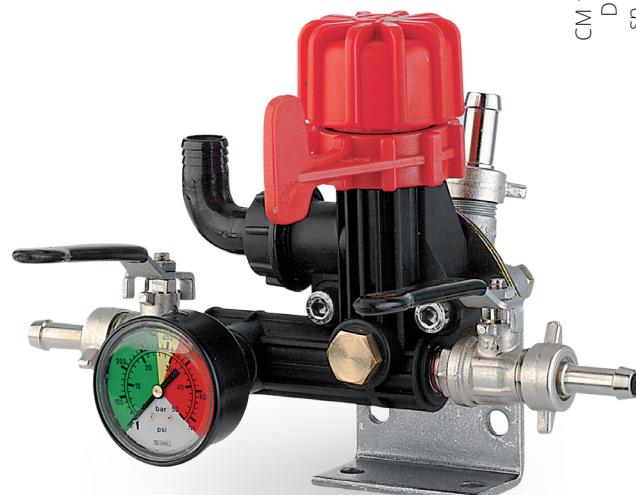
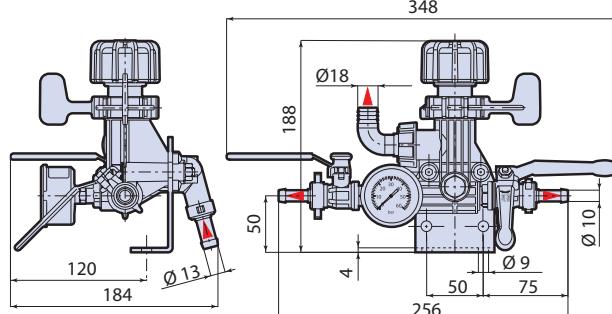


## GR 30

MEDIA PRESSIONE  
medium pressure

Portata max	40	L/1'	Max. flow	10,6	gpm
Pressione max	25	bar	Max. pressure	360	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,2	kg	Weight	2,6	lb

CM 1888640  
DI 808567  
sp.gr30.pdf  
MI 99406



Cod. 879 + 892



AR 252

**Gruppo comando con valvola di regolazione pressione lavoro**, leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve**, by-pass control lever and glycerine bath pressure gauge with coloured dial.

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice • code

AR 252

**879**  
1 rubinetto  
1 valve

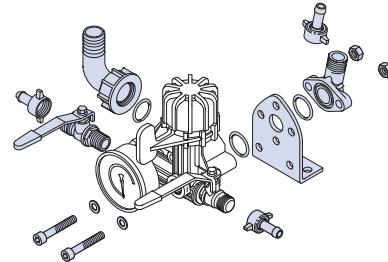
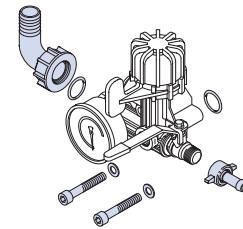
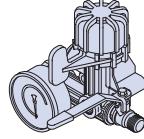
**891**

**892**  
+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



879

891

892

# GMC 40

MEDIA PRESSIONE  
medium pressure

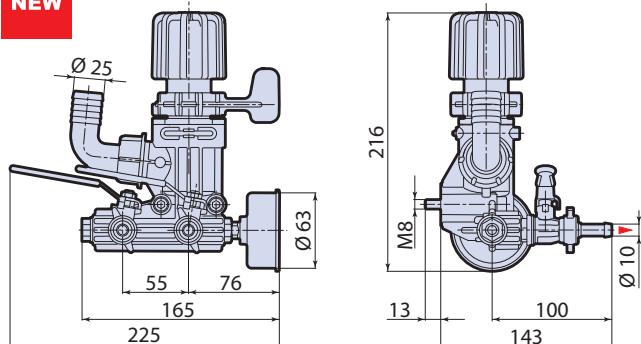


Portata max	80	L/1'	Max. flow	21,1	gpm
Pressione max	40	bar	Max. pressure	580	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,2	kg	Weight	2,6	lb



CM 4908600  
DI 4908500  
sp\_gmc40.pdf  
MI 959940

NEW



Cod. 32266



AR 303 AR 403 AR 503 AR 50

**Gruppo comando con valvola di regolazione pressione lavoro**, leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve**, by-pass control lever and glycerine bath pressure gauge with coloured dial.

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice • code

**AR 303**  
**AR 403**  
**AR 50**

**43991**

**43993**

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

**AR 503**

**32266**  
2 rubinetti  
2 valves

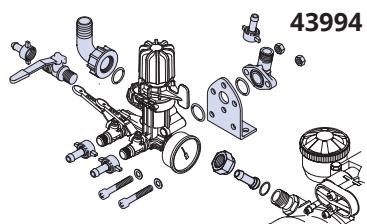
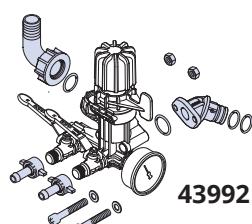
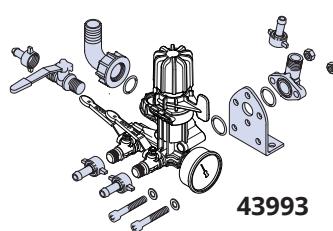
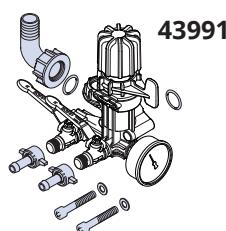
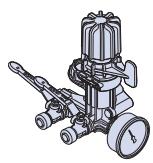
**43992**

**43994**  
+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



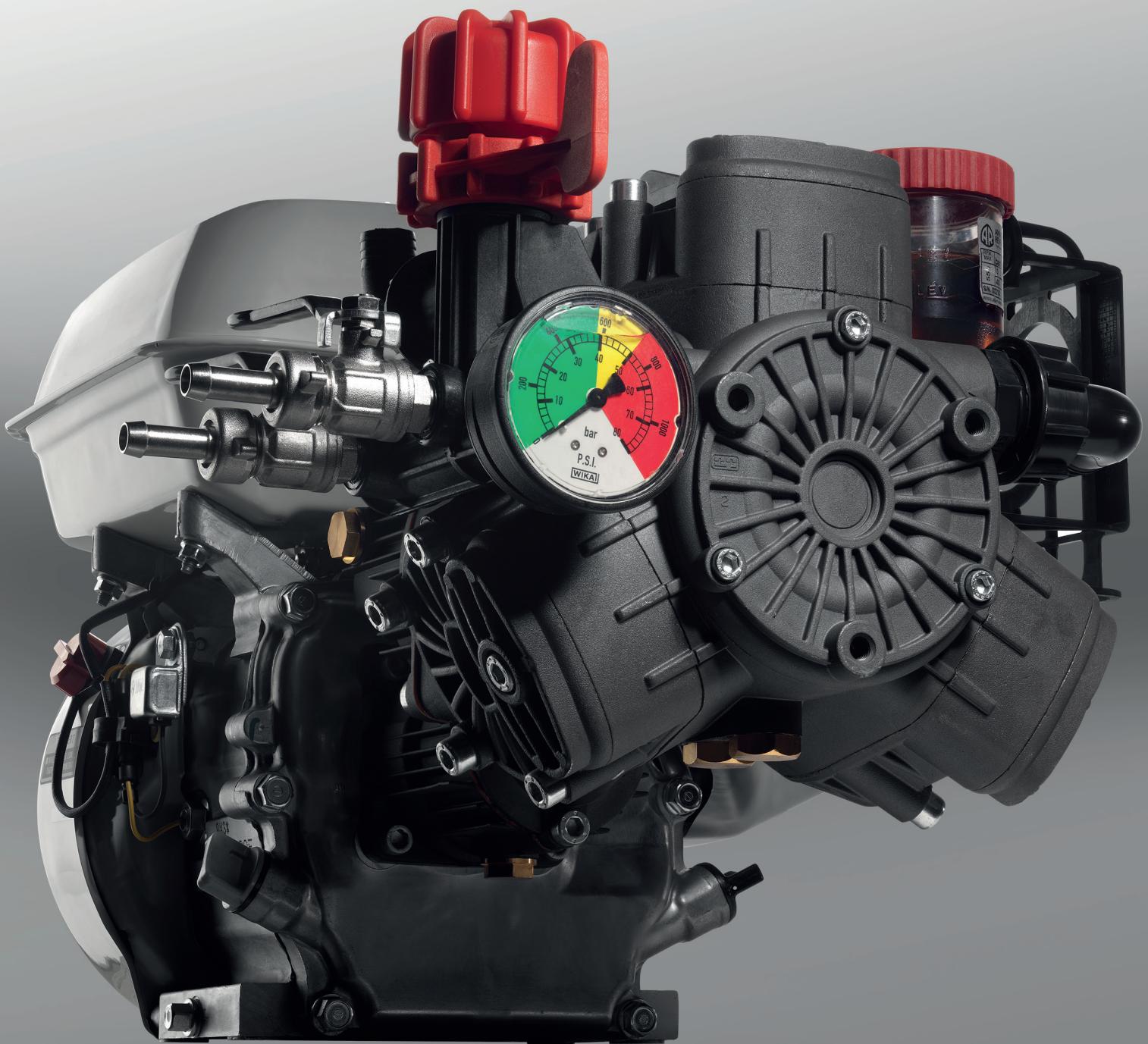
32266

43991

43992

43993

43994



# GR 40

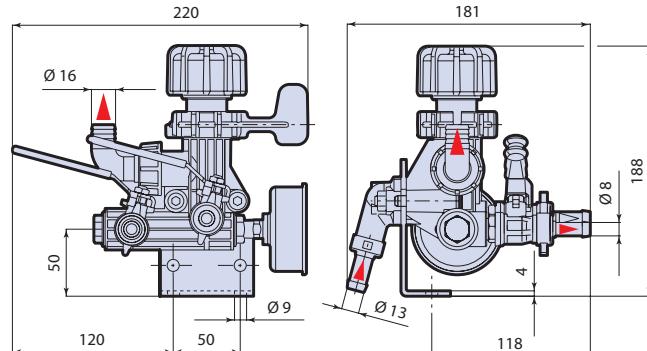
MEDIA PRESSIONE  
medium pressure



Portata max	40 L/1'	Max. flow	10,6 gpm
Pressione max	40 bar	Max. pressure	580 psi
Temperatura max	60 °C	Max. temperature	140 °F
Peso	1,2 kg	Weight	2,6 lb



CM 1888600  
DI 808568  
sp.gr40.pdf  
MI 99406



Cod. 880



AR 303 AR 403 AR 503

**Gruppo comando con valvola di regolazione pressione lavoro**, leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve**, by-pass control lever and glycerine bath pressure gauge with coloured dial.

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice · code

**AR 303**  
**AR 403**

**976**

**893**

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

**AR 503**

**880**  
2 rubinetti  
2 valves

Non disponibile per AR 503  
Not available for AR 503

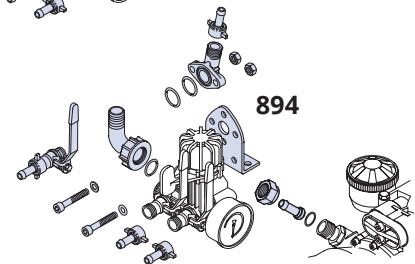
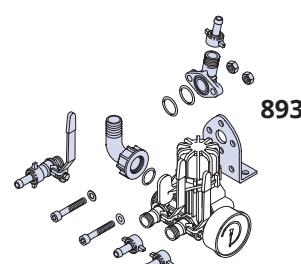
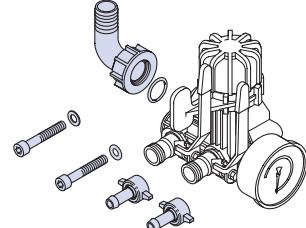
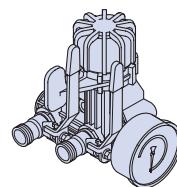
**894**

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



**880**

**976**

**893**

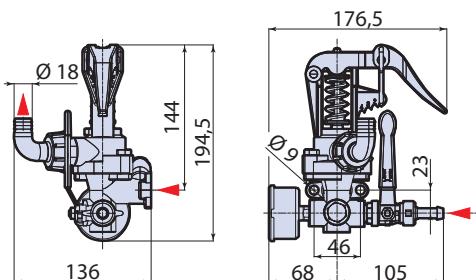
**894**



## GI 30

**MEDIA PRESSIONE**  
medium pressure

Portata max	80	L/1'	Max. flow	21,1	gpm
Pressione max	30	bar	Max. pressure	435	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,2	kg	Weight	2,6	lb



Cod. 902 + 973



AR 252

**Gruppo comando con valvola di regolazione pressione** **lavoro**, manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve, and** **glycerine bath pressure gauge with coloured dial.**

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice · code

**AR 252**

**902**  
1 rubinetto  
1 valve

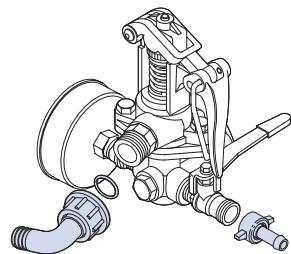
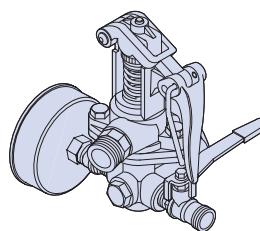
**973**

Non disponibile  
Not available

NB:

I disegni evidenziano in azzurro i particoli forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



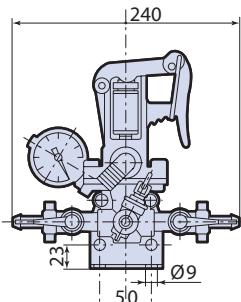
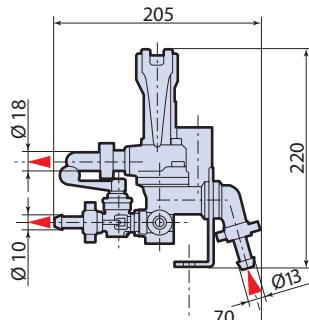
## GI 40



MEDIA PRESSIONE  
medium pressure



Portata max	80	L/1'	Max. flow	21,1	gpm
Pressione max	40	bar	Max. pressure	580	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,6	kg	Weight	3,5	lb



Cod. 900 + 980



AR 30 AR 40

AR 303 AR 403 AR 50 AR 503

**Gruppo comando con valvola di regolazione pressione e lavoro**, manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve, and glycerine bath pressure gauge with coloured dial.**

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice · code

**AR 30**    **AR 303**  
**AR 40**    **AR 403**  
**AR 50**

**900**  
2 rubinetti  
2 valves

**977**

**980**

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

**AR 503**

Non disponibile per AR 503  
Not available for AR 503

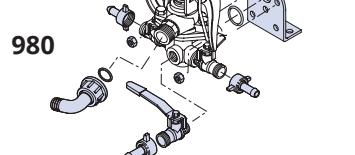
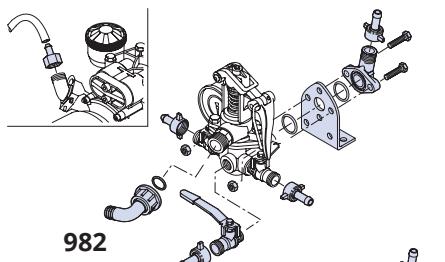
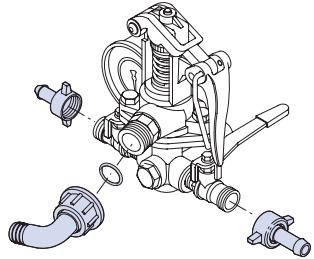
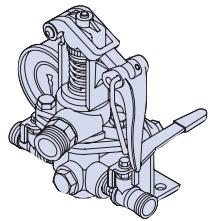
**982**

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



900

977

982

980



## RM 40

**MEDIA PRESSIONE**  
medium pressure



Cod. 920 + 983

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice · code

**AR 503**

**920**  
2 rubinetti  
2 valves

**977**

**983**  
Senza autobloccanti / Without self-locking nuts

**AR 30  
AR 40  
AR 50**

**33051**  
2 rubinetti  
2 valves  
Manometro inox  
Inox pressure gauge

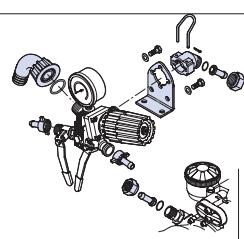
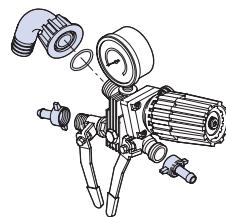
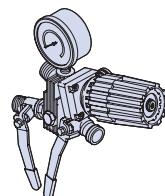
Non disponibile per AR 30 -  
AR 40 - AR 50  
Not available for AR 30 - AR 40 -  
AR 50

**984**

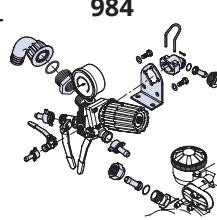
+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:  
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



**983**



**984**

**920**

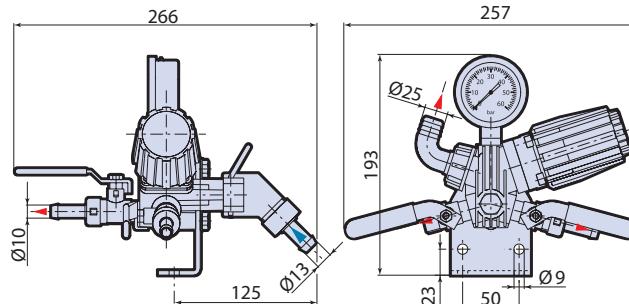
**33051**

**977**

**983**

**984**

Portata max	50	L/1'	Max. flow	13,2	gpm
Pressione max	40	bar	Max. pressure	580	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,6	kg	Weight	3,5	lb



DI 1158508



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.



A richiesta con manometro inox a scala 0÷60 bar.  
With 0÷60 bar scale inox pressure gauge on request.



AR 30 AR 40



AR 50 AR 503

**Gruppo comando con valvola di regolazione pressione lavoro,** leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve, by-pass control lever and glycerine bath pressure gauge with coloured dial.**

#### Kit per comando separato Kit for remote control unit

#### Tipo pompa Pump type

codice • code

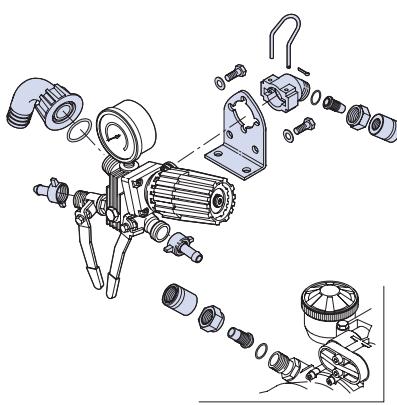
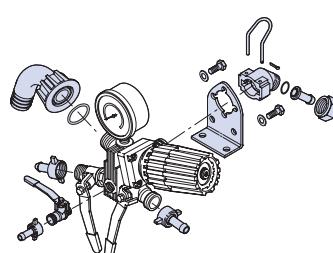
**979**

(Ø13x24) Con autobloccanti  
With self-locking nuts  
(Per / for AR 503)

**AR 503****985**

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

**AR 30  
AR 40  
AR 50**

**979****985**

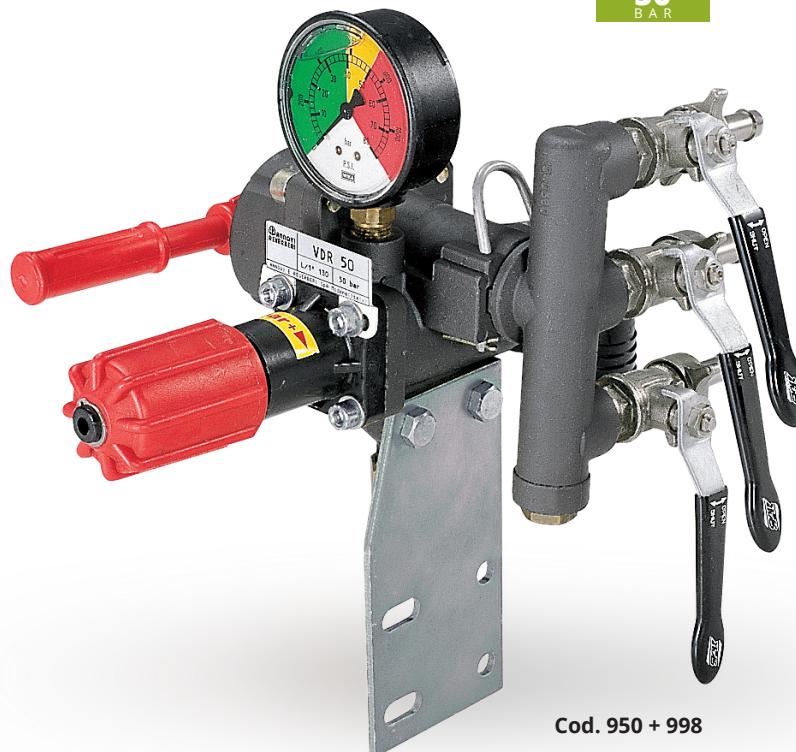
NB:  
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



## VDR 50

**ALTA PRESSIONE**  
high pressure



Cod. 950 + 998

**Tipo pompa**  
*Pump type*

**Gruppo comando**  
*Control unit*

**Kit per comando incorporato**  
*Kit for built-in control unit*

**Kit per comando separato**  
*Kit for remote control unit*

codice · code

**AR 503**

**950**  
2 rubinetti  
2 valves

Non disponibile  
Not available

**AR 30  
AR 40  
AR 50**

**33053**  
2 rubinetti  
2 valves

Manometro inox  
Inox pressure gauge

**946** 3/4"G (M)

Senza autobloccanti e senza staffa / Without self-locking nuts and without bracket

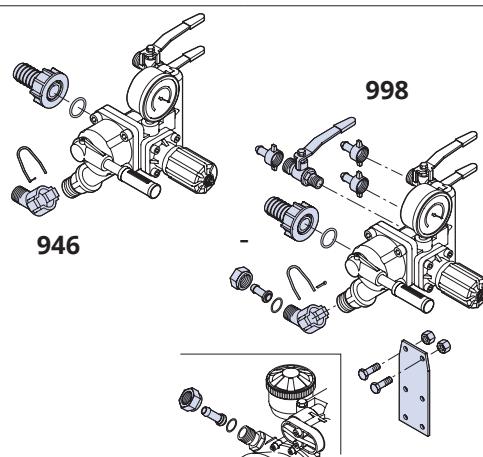
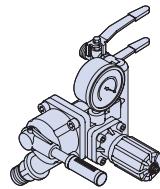
**998** (Ø13)

+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



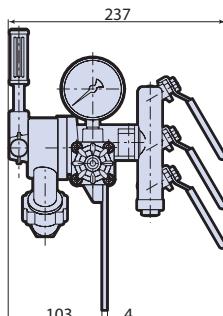
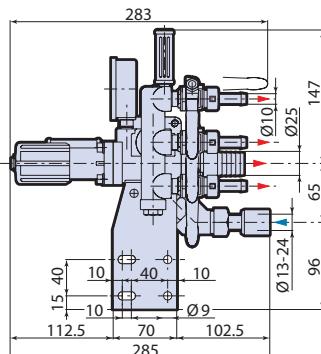
950

33053

946

998

Portata max	130	L/1'	Max. flow	34,3	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	2,2	kg	Weight	4,9	lb



DI 1088505



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.



A richiesta con manometro inox a scala 0÷60 bar.  
With 0÷60 bar scale inox pressure gauge on request.



AR 30 AR 40



AR 50 AR 503

**Gruppo comando con valvola di regolazione pressione lavoro,** leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve, by-pass control lever and glycerine bath pressure gauge with coloured dial.**

#### Kit per comando separato Kit for remote control unit

#### Tipo pompa Pump type

codice • code

**986** (Ø13x24)

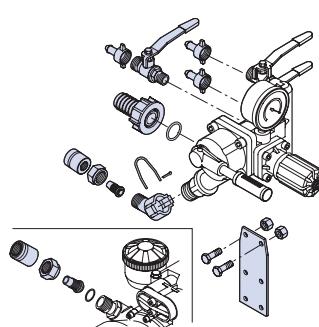
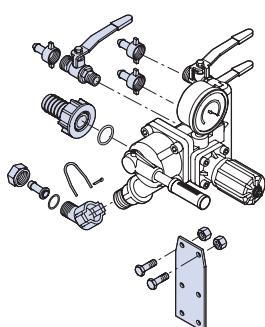
+1 rubinetto / valve

Con autobloccanti / With self-locking nuts

**AR 503**

**991** (Ø13)  
+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

**AR 30  
AR 40  
AR 50**



NB:  
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.

**991**

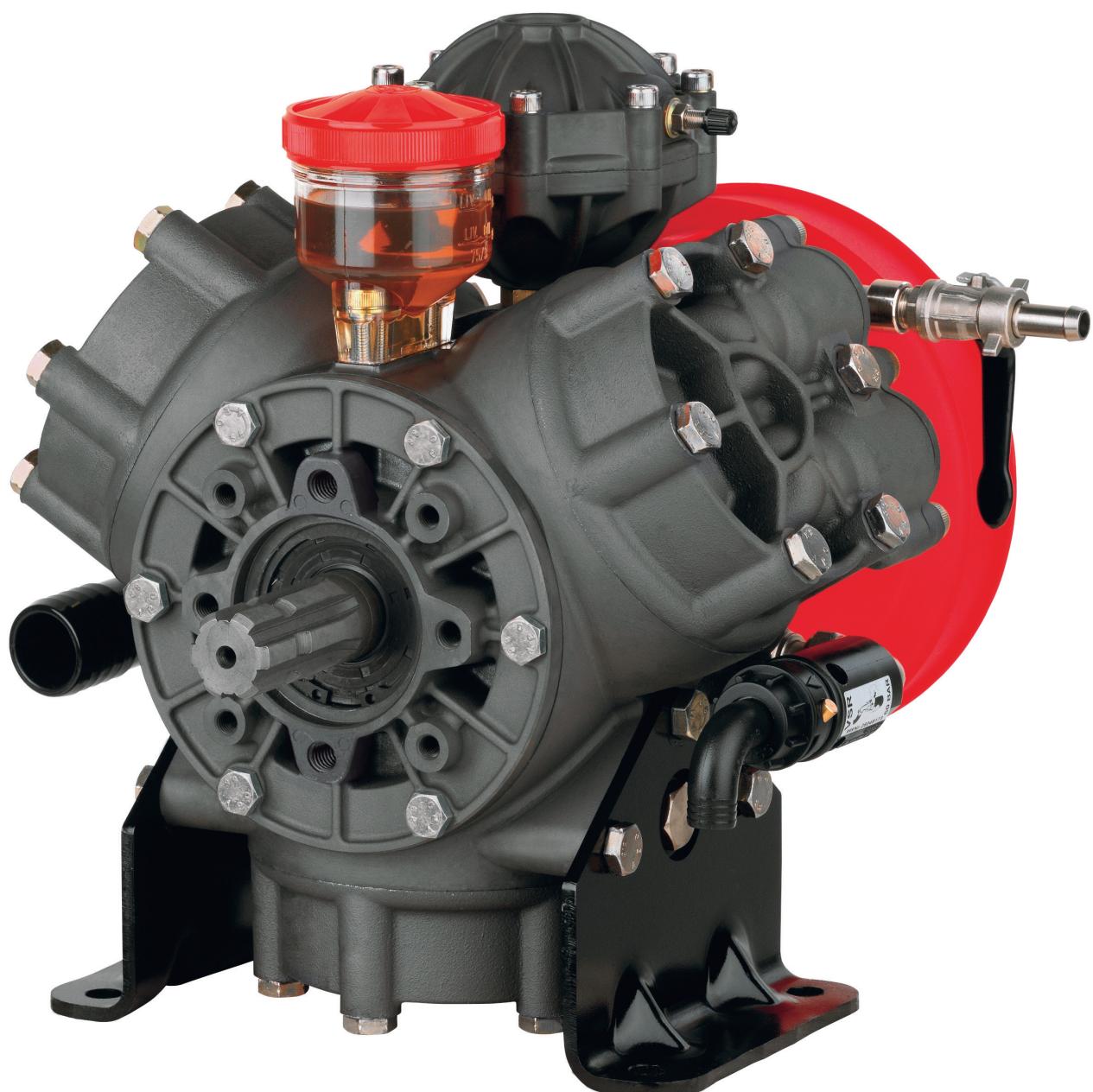
**986**





# **ALTA PRESSIONE**

*High Pressure*





## AR 713 - AR 813

### Serie ANODIZZATA anodised series

Kit Applicazioni pag. 140.

Application kits page 140.

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
*high pressure*



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



AR 813 C/SP



AP C/C



AP C/SP



AP C/F 1" 3/8

### Caratteristiche Generali

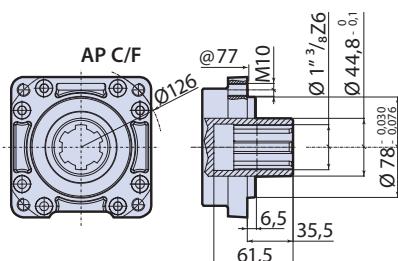
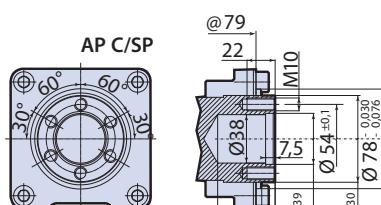
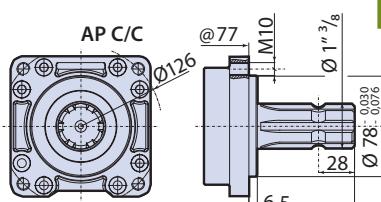
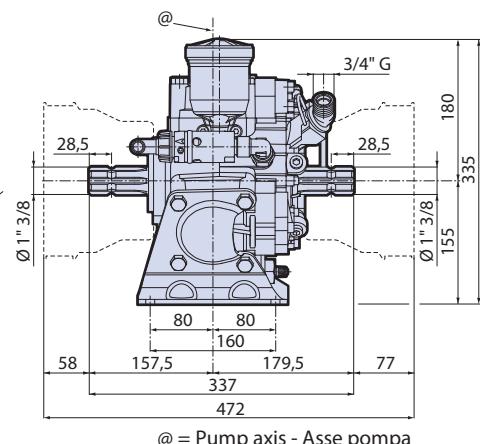
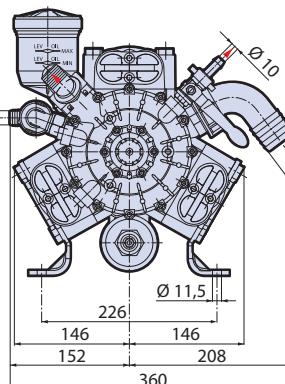
**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection.



CM 1808616 C/SP • CM 1808614 C/C • CM 1808606 C/F  
MI 91410  
sp\_ar713.pdf • sp\_ar813.pdf  
DI1808540



- Δ Nelle pompe C/SP la quota  $\Delta$  17 si riduce a 15 con la flangia anello tenuta montata sul corpo pompa. N.B. Togliere la flangia anello tenuta cod.1400140 prima di accoppiare il riduttore alla pompa.
  - Δ In C/SP pumps the value  $\Delta$  17 is reduced to 15 with the seal ring flange mounted on the pump body. N.B. Remove the seal ring flange code 1400140 before fitting the reduction gear to the pump.

MOD	COD			 MAX	 MAX	 RPM		 NET				
	C/SP	C/C	C/F 1°3/8		I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg
AR 713 AP NBR	624	625	-	76	20,1	40	580	550	60	140	20,5	45,2
AR 713 AP B	32105	32104	-	76	20,1	40	580	550	60	140	20,5	45,2
AR 813 AP NBR	630	631	632	79,9	21,1	50	725	550	60	140	20,5	45,2
AR 813 AP B	32107	32106	32108	79,9	21,1	50	725	550	60	140	20,5	45,2

### **B** Pompa con Membrane in BlueFlex™ Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

		Flowchart											
		400				450				500			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 713</b>													
0	0	56,3	14,9	0,4	62,5	16,5	0,7	69,7	18,4	0,8	76,1	20,1	0,9
10	145	53,3	14,1	1,6	60,5	16,0	1,9	66,9	17,7	2,2	72,0	19,0	2,4
20	290	52,9	14,0	2,8	59,3	15,7	3,2	65,6	17,3	3,6	71,9	19,0	4,0
30	435	51,5	13,6	4,0	59,0	15,6	4,5	65,2	17,2	5,1	70,8	18,7	5,6
40	580	51,4	13,6	5,1	58,2	15,4	5,8	64,8	17,1	6,6	70,3	18,6	7,3
<b>AR 813</b>													
0	0	62,8	16,6	0,7	69,8	18,4	0,9	76,9	20,3	1,0	79,9	21,1	1,2
15	217	60,3	15,9	2,5	68,4	18,1	3,0	73,5	19,4	3,2	75,9	20,1	3,4
30	435	59,7	15,8	4,6	66,3	17,5	5,2	70,9	18,7	5,5	73,4	19,4	5,8
40	580	59,4	15,7	5,9	66,2	17,5	6,8	70,3	18,6	7,1	71,7	18,9	7,3
50	725	58,4	15,4	7,2	66,0	17,4	8,1	68,9	18,2	8,5	71,6	18,9	8,8



# AR 1064

## Serie ANODIZZATA anodised series

Kit Applicazioni pag. 140.

Application kits page 140.

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
*high pressure*



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



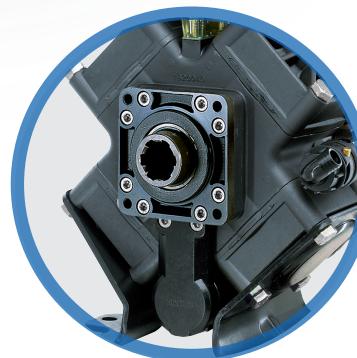
AR 1064 C/SP



AP C/C



AP C/SP



AP C/F 1" 3/8

### Caratteristiche Generali

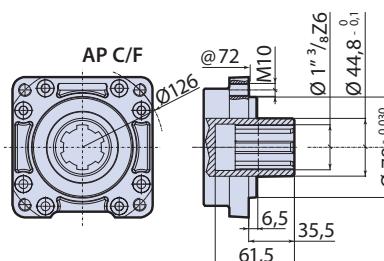
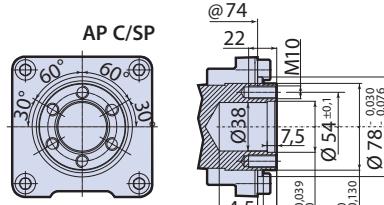
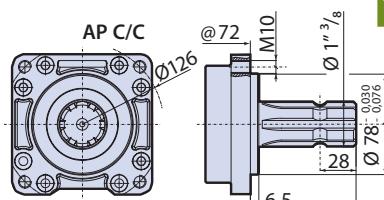
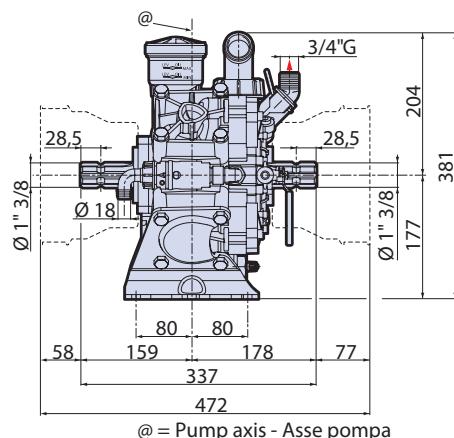
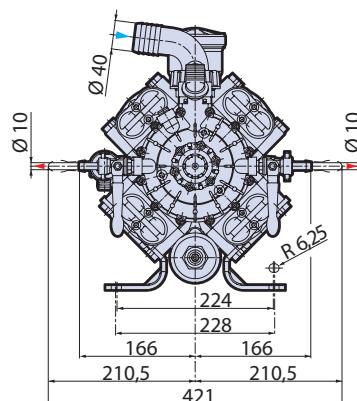
**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riammo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



CM 1828604 C/SP • CM 1828608 C/C • CM 1828606 C/F  
MI 91411  
Sp. ar1064.pdf  
DI 1828500



- Δ Nelle pompe C/SP la quota Δ 17 si riduce a 15 con la flangia anello tenuta montata sul corpo pompa. N.B. Togliere la flangia anello tenuta cod.1400140 prima di accoppiare il riduttore alla pompa.
- Δ In C/SP pumps the value Δ 17 is reduced to 15 with the seal ring flange mounted on the pump body. N.B. Remove the seal ring flange code 1400140 before fitting the reduction gear to the pump.

MOD	COD			MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/SP	C/C	C/F 1"3/8										
<b>AR 1064 AP NBR</b>	<b>730</b>	<b>731</b>	<b>732</b>		108,5	28,7	50	725	550	60	140	23,5	51,8
<b>AR 1064 AP B</b>	<b>32116</b>	<b>32115</b>	<b>32117</b>		108,5	28,7	50	725	550	60	140	23,5	51,8

Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

Pompa con Membrane in NBR  
Pumps with NBR diaphragm

bar	psi	I/min	gpm	HP	RPM								
					400	450	500	550	600	650	700		
<b>AR 1064</b>													
0	0	84,6	22,3	1,0	95,1	25,1	1,3	102,4	27,0	1,6	108,5	28,7	1,9
15	217	81,6	21,6	3,4	92,3	24,4	3,9	101,1	26,7	4,3	106,7	28,2	4,7
30	435	79,5	21,0	6,2	90,3	23,8	7,0	98,8	26,1	7,8	106,6	28,2	8,3
40	580	79,2	20,9	8,1	89,3	23,6	9,1	98,6	26,1	10,1	105,8	27,9	10,8
50	725	78,4	20,7	9,9	87,9	23,2	11,2	98,1	25,9	12,4	104,7	27,7	13,1



## AR 903 - AR 1053 - AR 1203

### Serie ANODIZZATA anodised series

Kit Applicazioni pag. 140.

Application kits page 140.

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
high pressure



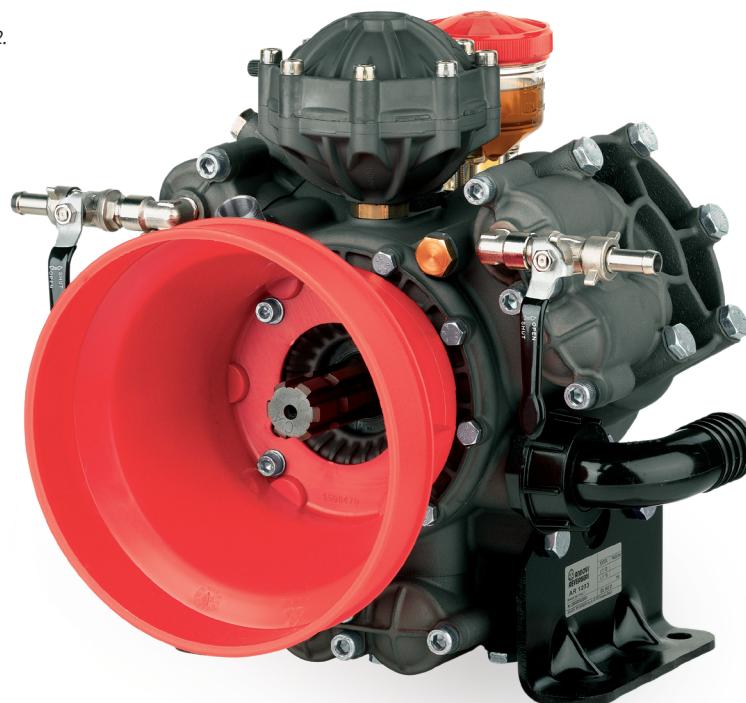
**atomizzatori**  
atomizers



**deicing**  
deicing



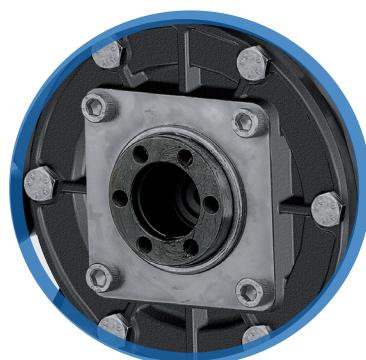
**antincendio**  
fire-fighting



AR 1203 C/SP



AP C/C



AP C/SP



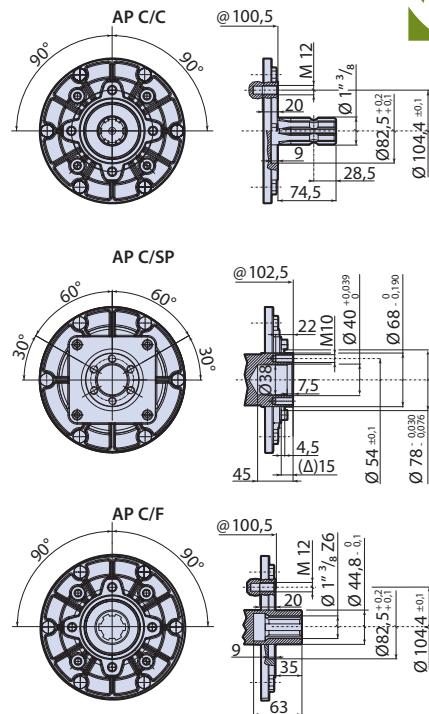
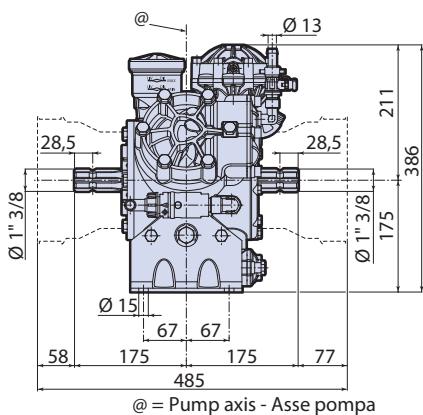
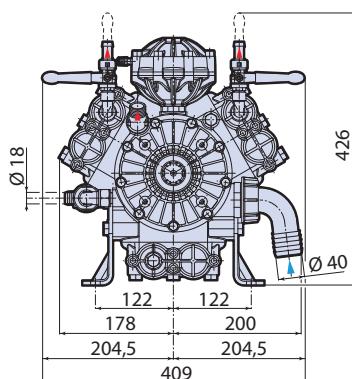
AP C/F 1" 3/8

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



CM2688600  
SP\_ar903\_ar1053\_ar1203.pdf  
MI 91412  
DI 2688500

MOD	COD			MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/SP	C/C	C/F 1 1/3/8										
<b>AR 903 AP NBR</b>	<b>702</b>	<b>703</b>	<b>704</b>		91,9	24,3	50	725	550	60	140	30,8	67,9
<b>AR 903 AP B</b>	<b>32110</b>	<b>32109</b>	<b>32111</b>		91,9	24,3	50	725	550	60	140	30,8	67,9
<b>AR 1053 AP NBR</b>	<b>752</b>	<b>753</b>	<b>755</b>		102,4	27,1	50	725	550	60	140	31,2	68,8
<b>AR 1053 AP B</b>	<b>32113</b>	<b>32112</b>	<b>32114</b>		102,4	27,1	50	725	550	60	140	31,2	68,8
<b>AR 1203 AP NBR</b>	<b>758</b>	<b>759</b>	<b>760</b>		115,8	30,6	50	725	550	60	140	31,2	68,8
<b>AR 1203 AP B</b>	<b>32119</b>	<b>32118</b>	<b>32120</b>		115,8	30,6	50	725	550	60	140	31,2	68,8

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

	RPM												
	400				450				500				550
bar	psi	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP	I/min	gpm	HP
<b>AR 903</b>													
0	0	67,0	17,7	0,8	75,8	20,0	0,9	84,7	22,4	1,0	91,9	24,3	1,2
15	217	66,3	17,5	2,2	75,0	19,8	2,5	82,6	21,8	2,7	90,3	23,9	3,0
30	435	65,4	17,3	3,8	73,5	19,4	4,2	82,1	21,7	4,6	90,2	23,8	5,1
40	580	65,2	17,2	5,2	73,2	19,3	5,9	81,6	21,6	6,5	89,4	23,6	7,1
50	725	64,9	17,1	6,7	72,9	19,3	7,6	79,8	21,1	8,3	88,7	23,4	9,1
<b>AR 1053</b>													
0	0	76,7	20,3	0,8	85,6	22,6	1,0	95,8	25,3	1,2	102,4	27,1	1,4
15	217	75,6	20,0	3,0	84,2	22,3	3,4	93,9	24,8	3,8	102,4	27,1	4,1
30	435	75,2	19,9	5,6	83,7	22,1	6,3	92,2	24,4	6,9	101,1	26,7	7,7
40	580	74,4	19,6	7,3	83,5	22,1	8,1	91,3	24,1	9,1	100,4	26,5	9,9
50	725	73,5	19,4	8,9	82,8	21,9	10,0	89,4	23,6	11,1	99,7	26,3	12,1
<b>AR 1203</b>													
0	0	85,6	22,6	0,7	96,2	25,4	0,9	107,6	28,4	1,1	115,8	30,6	1,2
15	217	84,2	22,2	3,4	95,1	25,1	3,7	107,2	28,3	4,1	114,1	30,1	4,6
30	435	83,7	22,1	6,1	93,8	24,8	6,9	103,9	27,4	7,7	113,2	29,9	8,5
40	580	83,1	21,9	8,0	93,0	24,6	8,9	103,4	27,3	10,0	112,8	29,8	11,1
50	725	82,8	21,9	9,8	92,7	24,5	11,1	103,0	27,2	12,3	112,6	29,7	13,6



## AR 1604

### Serie ANODIZZATA anodised series

Kit Applicazioni pag. 140.

Application kits page 140.

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
*high pressure*



**atomizzatori**  
*atomizers*



**deicing**  
*deicing*



**antincendio**  
*fire-fighting*



AR 1604 C/SP



AP C/C



AP C/SP



AP C/F 1" 3/8

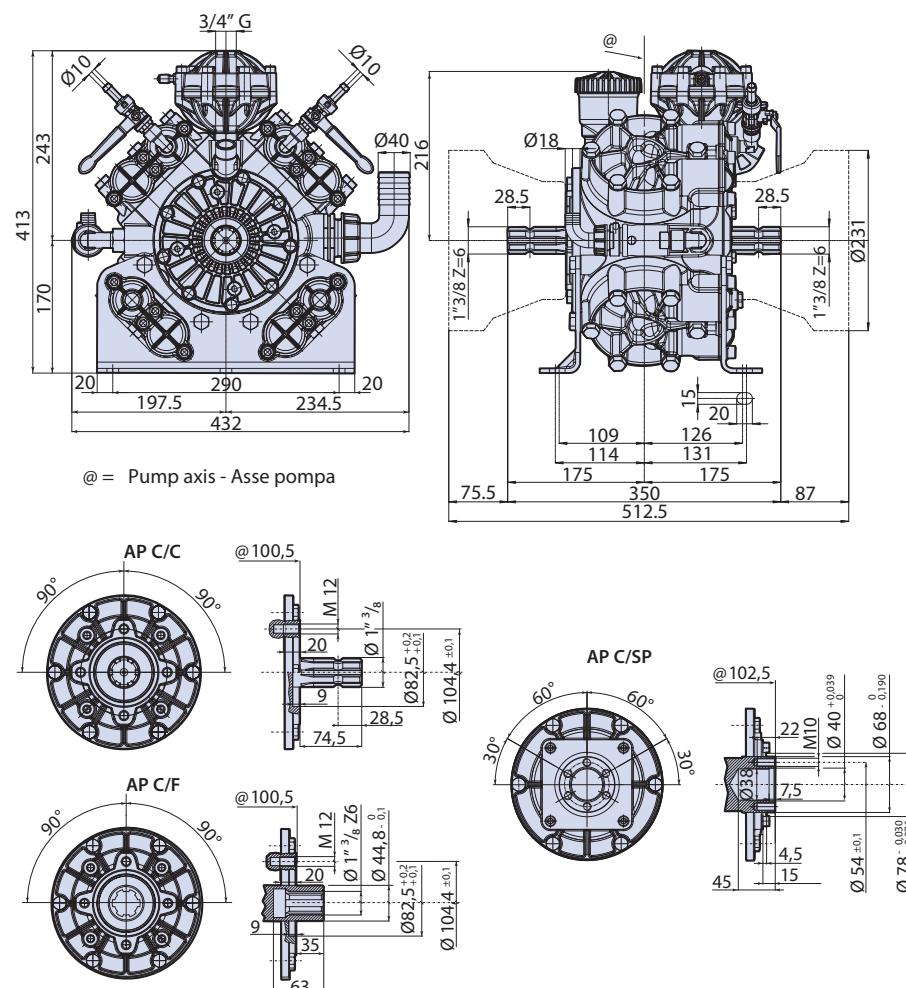
### Caratteristiche Generali

**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria con trattamento di zinzatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.

CM3928600  
MI 92104  
Sp. ar104.pdf  
DI 3928500



@ = Pump axis - Asse pompa

MOD	COD			MAX	I/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/SP	C/C	C/F 1"3/8										
<b>AR 1064 AP NBR</b>	<b>719</b>	<b>718</b>	<b>720</b>		153	40,4	50	725	550	60	140	38	83,8
<b>AR 1064 AP B</b>	<b>32122</b>	<b>32121</b>	<b>32123</b>		153	40,4	50	725	550	60	140	38	83,8

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

bar	psi	I/min	gpm	HP	RPM				
					400	450	500	550	
<b>AR 1604</b>									
0	0	114,6	30,3	1,5	129,2	34,1	2,0	141,2	37,3
15	217	112,2	29,6	4,6	127,0	33,5	5,2	139,3	36,8
30	435	110,9	29,3	8,3	125,6	33,2	9,4	138,1	36,5
40	580	110,5	29,2	10,7	123,6	32,7	12,1	137,4	36,3
50	725	108,8	28,7	13,3	122,7	32,4	14,8	136,7	36,1



## AR 1203 NI

### Serie NICHELATA nickel plated series

Kit Applicazioni pag. 140.

Application kits page 140.

Gruppi comando vedi pag. 162.

For control units please see page 162.

NEW

**ALTA PRESSIONE**  
high pressure



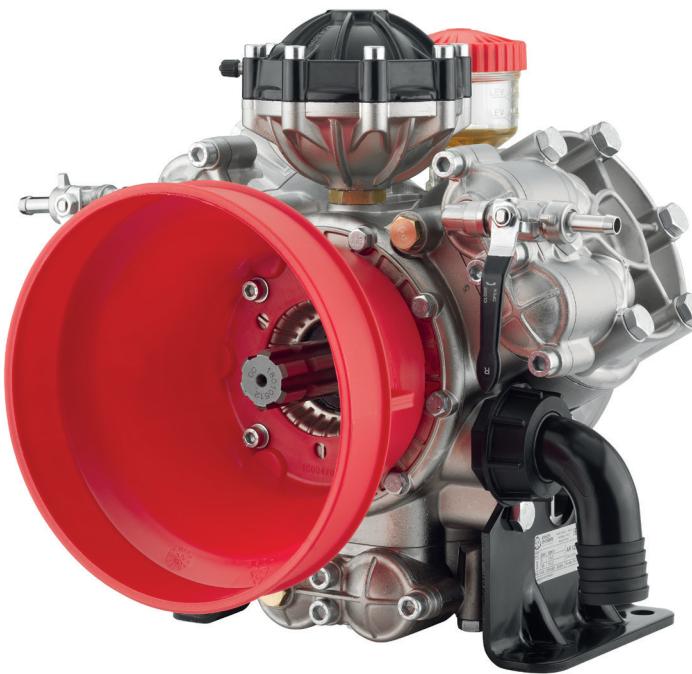
atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



AR 1203 C/SP



AP C/C



AP C/SP



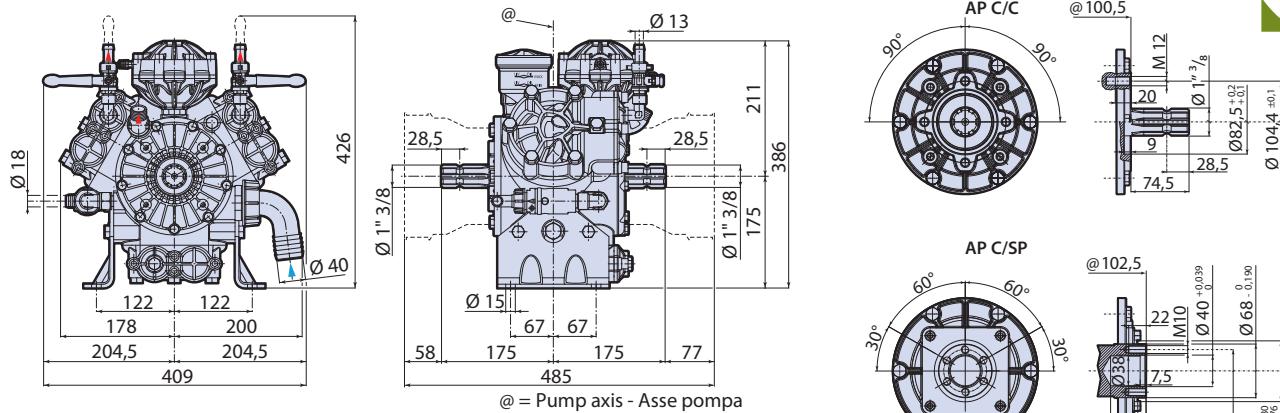
AP C/F 1" 3/8

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio nichelato e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic three-diaphragm pump.** Parts in contact with pumped liquids in nickel-plated aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton® or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.



CM2688600  
SP\_ar903\_ar1053\_ar1203.pdf  
MI 91412  
DI 2688500

MOD	COD			MAX	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/SP	C/C	C/F 1"3/8										
<b>AR 1203 NI AP NBR</b>	<b>32287</b>	<b>32285</b>	<b>32289</b>	115,8	30,6	50	725	550	60	140	32	70,5	
<b>AR 1203 NI AP B</b>	<b>32286</b>	<b>33191</b>	<b>32288</b>	115,8	30,6	50	725	550	60	140	32	70,5	

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

MAX													
	400			450			500			550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>AR 1203 NI</b>													
0	0	85,6	22,6	0,7	96,2	25,4	0,9	107,6	28,4	1,1	115,8	30,6	1,2
15	217	84,2	22,2	3,4	95,1	25,1	3,7	107,2	28,3	4,1	114,1	30,1	4,6
30	435	83,7	22,1	6,1	93,8	24,8	6,9	103,9	27,4	7,7	113,2	29,9	8,5
40	580	83,1	21,9	8,0	93,0	24,6	8,9	103,4	27,3	10,0	112,8	29,8	11,1
50	725	82,8	21,9	9,8	92,7	24,5	11,1	103,0	27,2	12,3	112,6	29,7	13,6



## AR 1604 NI

### Serie NICHELATA nickel plated series

Kit Applicazioni pag. 140.

Application kits page 140.

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
high pressure



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting

NEW



AR 1604 C/SP



AP C/C



AP C/SP



AP C/F 1" 3/8

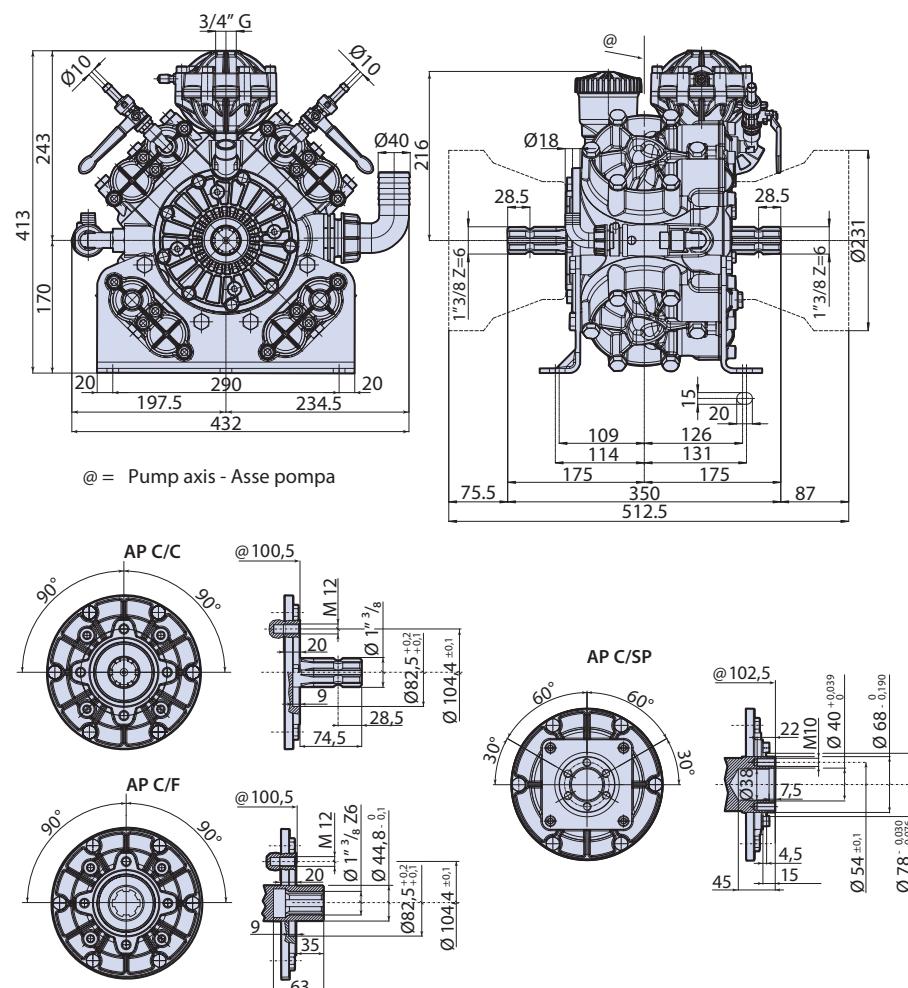
### Caratteristiche Generali

**Pompa a quattro membrane semidrauliche.** Parti in contatto con i liquidi pompati in alluminio nichelato e AISI 303/304. Membrane in NBR, HPDS, Desmopan, Viton® o BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Tappo per drenaggio del liquido dal circuito prima del rimessaggio invernale. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano.

### General Features

**Semi-hydraulic four-diaphragm pump.** Parts in contact with pumped liquids in nickel-plated aluminium and AISI 303/304. Diaphragms in NBR, Desmopan, Viton or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Plug for drainage of liquid from the circuit before winter storage. Complete with safety valve with re-arm, air chamber and cardan protection.

CM3928600  
MI 92104  
Sp. ar104.pdf  
DI 3928500



MOD	COD			MAX	MAX	RPM	N°giri/1'	°C	°F	kg	lb
	C/SP	C/C	C/F 1"3/8								
AR 1064 NI AP NBR	32292	32290	32293	153	40,4	50	725	550	60	140	39
AR 1064 NI AP B	32291	33129	33130	153	40,4	50	725	550	60	140	39

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

NBR Pompa con Membrane in NBR  
Pumps with NBR diaphragm

bar	psi	l/min	gpm	HP	RPM				
					400	450	500	550	
<b>AR 1064 NI</b>									
0	0	114,6	30,3	1,5	129,2	34,1	2,0	141,2	37,3
15	217	112,2	29,6	4,6	127,0	33,5	5,2	139,3	36,8
30	435	110,9	29,3	8,3	125,6	33,2	9,4	138,1	36,5
40	580	110,5	29,2	10,7	123,6	32,7	12,1	137,4	36,3
50	725	108,8	28,7	13,3	122,7	32,4	14,8	136,7	36,1



## KIT APPLICAZIONI

application kits

### ALTA PRESSIONE

high pressure

AR 713 · AR 813

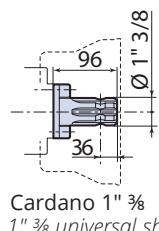
AR 1064

AR 903 · AR 1053 · AR 1203

AR 1604

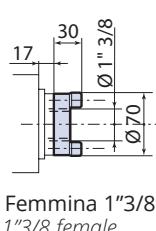
AR 1203 NI · AR 1604 NI

#### Kit Appl.C cod.1519



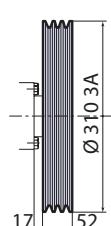
CM 658603  
MI 5775

#### Kit Appl.F cod.1510



Femmina 1 3/8  
1 3/8 female

#### Kit Appl.P



Puleggia  
Pulley

Kit Appl. P cod.1516 Ø310 3A

Kit Appl. P cod.1520 Ø310 3A

Le applicazioni sono da utilizzare solamente con le opportune protezioni a tutela dell'operatore.

*The applications should be used only with the proper protective equipment for the safety of the operator.*

#### Kit Appl.FD (1)



Dimensioni vedi pag.191.  
See dimensions page 191.

Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F.  
*For overgears. The FD version should be fitted on C/F version pumps.*

#### Kit Appl.FDG (1)



Dimensioni vedi pag.194.  
See dimensions page 194.

Per moltiplicatori. La versione FDG è da applicare alle pompe versione C/SP.  
*For overgears. The FDG version should be fitted on C/SP version pumps.*

I codici si riferiscono al solo kit applicazione, pompa esclusa.  
(1) Le dimensioni di questi kit applicazione variano a seconda della marca e del tipo di macchina a cui deve essere applicata la pompa.

*The part numbers refer to the application kit only, excluding the pump.*

*(1) The dimensions of these kits vary according to the make and type of machine the pump is to be installed on.*

Marca Make	Tipo Type	KIT APPL. FD	KIT APPL. FDG
		Cod.	Cod.
Bima	M30N - M47N - M60N	5336	5348
CMV	MA86 MA86S MA107 MA107S MA110 MA110S MA110 3V	5336	5348
Comer	D4 D7 D21 D27	5336	5348
GB	AT46 - AT53 - AT55 - AT65 - AT70	5336	5348
Reduco	R810 R830 R840	5336	5348
Bima	CAR 3 P Foratura interna 70x82	5344	5328
Cmv	MA 50 Foratura interna 70x82	5344	5328
Bima	CAR 3 P Foratura esterna 160x75	5345	5330
CMV	MA 50 Foratura esterna 160x75	5345	5330
GB	AT39	5345	5330
Fieni	Moltiplicatore V1	5346	5290
Bima	MSC	5354	5355
Fieni	CM 9 PG	55354	55355
Omas	Moltiplicatore	55359	-
Comer	A 4 A	55364	55365
GB	AP 102	55364	55365

# KIT APPLICAZIONI

application kits

## ALTA PRESSIONE

high pressure

AR 713 · AR 813

AR 1064

AR 903 · AR 1053 · AR 1203

AR 1604



AR 1203 NI · AR 1604 NI

### Kit Appl.IDM/IDP



Per motori e pompe idrauliche.  
For hydraulic motors and pumps.

### Applicazioni "IDP" per pompe idrauliche Fittings for hydraulic pumps "IDP"

Marca Make	Tipo Type	Codice Code	Dimensioni Dimensions
Casappa Salami	Pompe gruppo 3 flangia SAE - 1"	5335	

### Applicazioni "IDM per motori idraulici Fittings for hydraulic motors "IDM"

Marca Make	Tipo Type	Codice Code	Dimensioni Dimensions
Sauer Danfoss	OMP 25 - 32 40 - 50 albero Ø25mm 80 - 100 - 160 OMR 80 OMR 100	5327	
Char-Lynn Eaton	OMP 50 albero Ø25,4 mm (Ø 1") 80 - 100 - 160 OMR 80 OMR 100	5312	
	Serie 2000 albero Ø25,4mm (Ø1") Tipo 2 - 80,2- 100,2 160	5312	



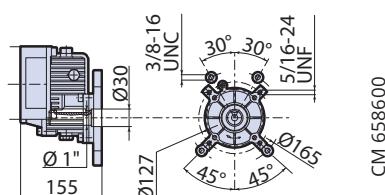
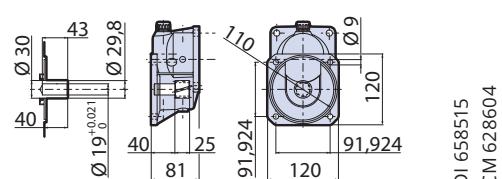
CR 1:2,85  
cod.1624

Riduttore motori elettrici speciali trifase 4poli (1450 rpm)  
Reduction gear for special 4-pole three-phase electric motors (1450 rpm)



CR 1:5,9 Ø 1"  
cod.1639

Riduttori motori a scoppio 4 tempi, flangia SAE J609a  
Reduction gears for four-stroke engines with SAE J609a flange



Per pompe versione For version pump	C/SP (Vedi / see Δ )								C/F
Tipo Type	Kit Appl. C	Kit Appl. F	Kit Appl. P	Kit Appl. IDM/IDP	Kit Appl. FDG	CR 1:2,85 x ET	CR 1:5,9 Ø 1" x S	Kit Appl. FD	
AR 713	cod. 1519	cod. 1510	cod. 1516	pag. 186	pag. 194	cod. 1624	cod. 1639	-	
AR 813	cod. 1519	cod. 1510	cod. 1516	pag. 186	pag. 194	cod. 1624	cod. 1639	pag. 191	
AR 1064	cod. 1519	cod. 1510	cod. 1520	pag. 186	pag. 194	-	cod. 1639	pag. 191	
AR 903	cod. 1519	cod. 1510	cod. 1520	pag. 186	pag. 194	-	-	pag. 191	
AR 1053	cod. 1519	cod. 1510	cod. 1520	pag. 186	pag. 194	-	-	pag. 191	
AR 1203	cod. 1519	cod. 1510	-	pag. 186	pag. 194	-	-	pag. 191	
AR 1604	cod. 1519	cod. 1510	-	pag. 186	pag. 194	-	-	pag. 191	

Δ Nelle pompe C/SP la quota  $\Delta$  17 si riduce a 15 con la flangia anello tenuta montata sul corpo pompa. N.B. Togliere la flangia anello tenuta cod. 1400140 prima di accoppiare il riduttore alla pompa.

Δ In C/SP pumps the value  $\Delta$  17 is reduced to 15 with the seal ring flange mounted on the pump body. N.B. Remove the seal ring flange code 1400140 before fitting the reduction gear to the pump.



## BHA 130 - BHA 150

Serie ALLUMINIO ANODIZZATA  
anodised aluminium series

Gruppi comando vedi pag. 162.

For control units please see page 162.

ALTA PRESSIONE  
high pressure



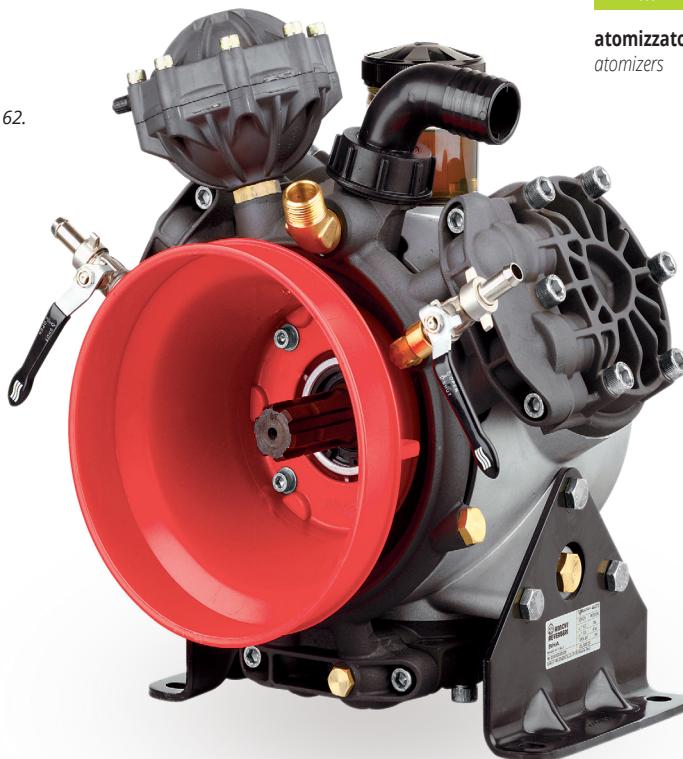
atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



BHA 130



AP C/C



AP C/F 1" 3/8"



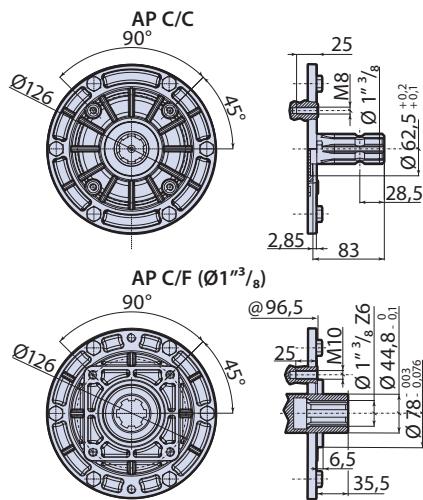
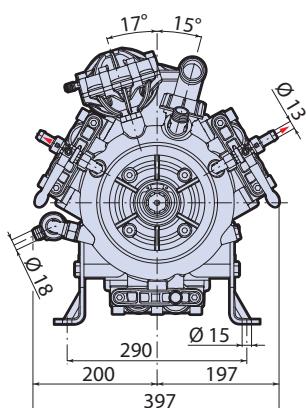
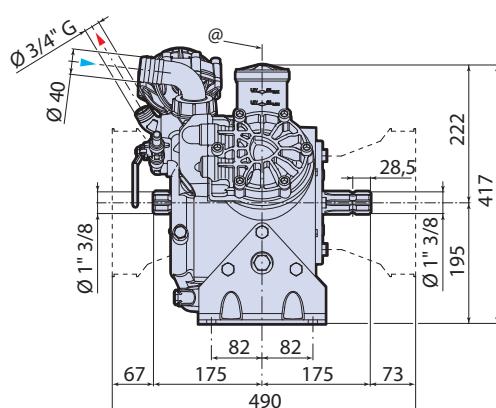
AP C/F Ø32

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR o in BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Disponibile versione C/F (Ø32) per accoppiamento diretto con motore idraulico. Disponibili con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic three-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection. Available in C/F (Ø32) version for direct coupling to hydraulic motor. Available with flanges for overgears.



Kit Appl. FD

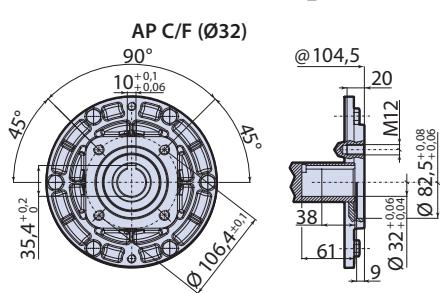
CM 2248602  
sp\_bha130\_bha150.pdf  
MI 91413  
DI 2248500



Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F Ø1"3/8.

*For overgears. The FD version should be fitted on C/F Ø1"3/8 version pumps.*

Cod. vedi pag. 191.  
*Code see page 191.*

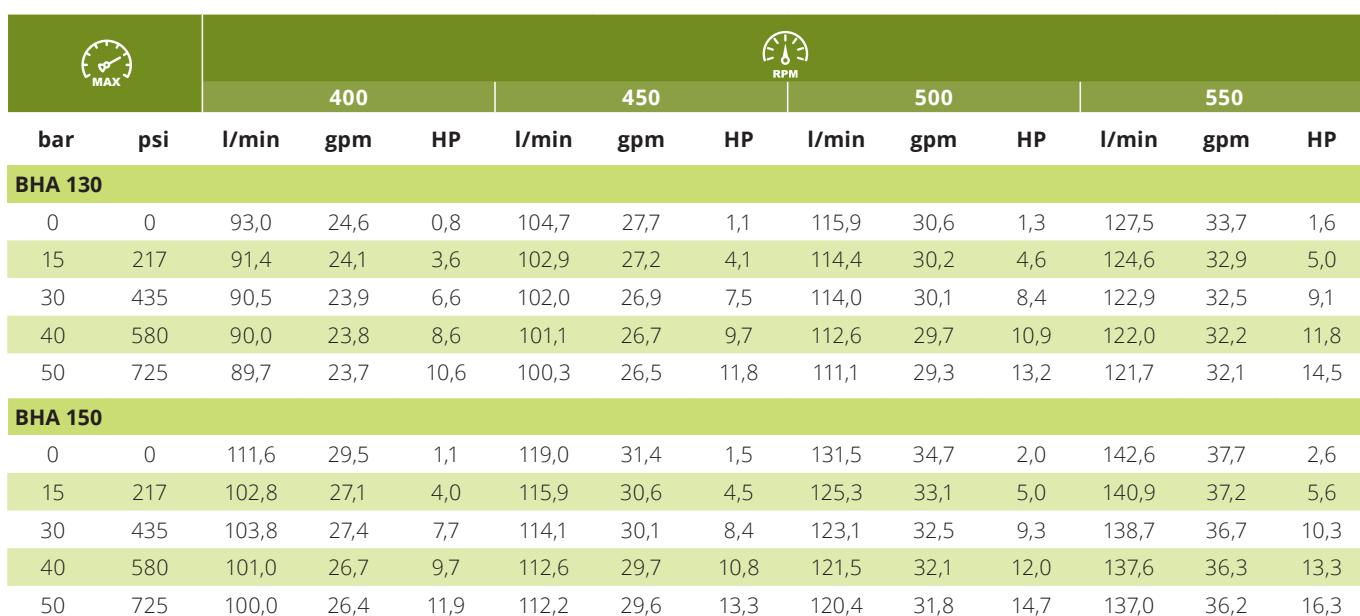


MOD	COD			 MAX	 MAX	 RPM		 NET							
	C/C	C/F Ø1"3/8	C/F Ø32						l/min	gpm	bar	psi	N°giri/1'	°C	°F
BHA 130 AP NBR	848	849	678	127,5	33,7	50	725	550	60	140	40	88,2			
BHA 130 AP B	32124	32125	32126	127,5	33,7	50	725	550	60	140	40	88,2			
BHA 150 AP NBR	850	851	679	142,6	37,7	50	725	550	60	140	40	88,2			
BHA 150 AP B	32127	32128	32129	142,6	37,7	50	725	550	60	140	40	88,2			

#### **B** Pompa con Membrane in BlueFlex™ Pumps with BlueFlex™ diaphragm

## **NBR Pompa con Membrane in NBR**

Pumps with NBR diaphragm





## BHA 170 - BHA 200

Serie ALLUMINIO ANODIZZATA  
anodised aluminium series

Gruppi comando vedi pag. 162.

For control units please see page 162.

ALTA PRESSIONE  
high pressure



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



BHA 170



AP C/C



AP C/F 1" 3/8"



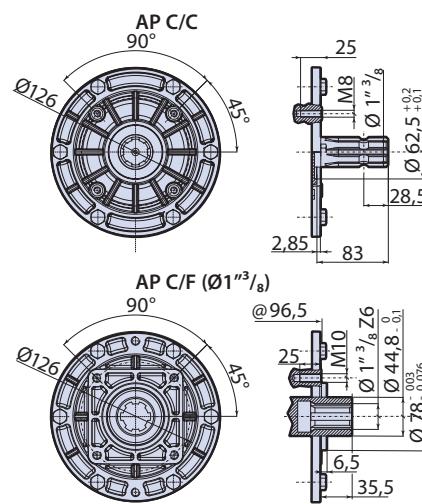
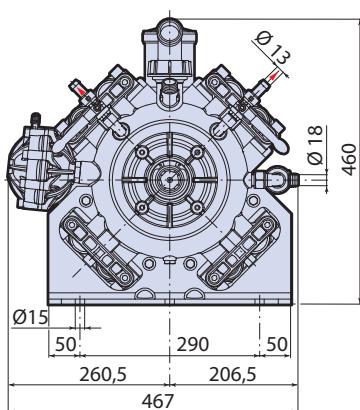
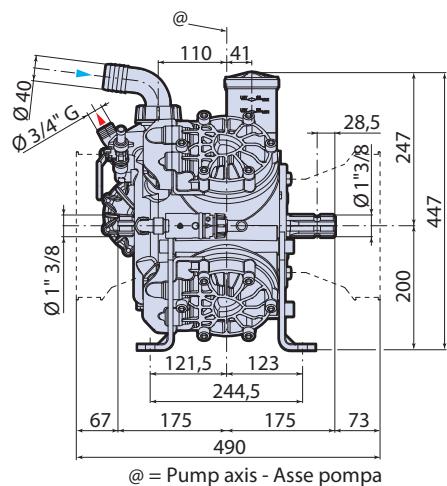
AP C/F Ø32

### Caratteristiche Generali

**Pompa a quattro membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in alluminio anodizzato e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Disponibile versione C/F (Ø32) per accoppiamento diretto con motore idraulico. Disponibili con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic four-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in anodized aluminium and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection. Available in C/F (Ø32) version for direct coupling to hydraulic motor. Available with flanges for overgears.



### Kit Appl. FD

CM2388601  
SP\_bha170\_bha200.pdf  
MI 91414  
DI 2388500



Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F Ø1 3/8.

For overgears. The FD version should be fitted on C/F Ø1 3/8 version pumps.  
Cod. vedi pag. 191.  
Code see page 191.

MOD	COD			MAX	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F Ø1"3/8	C/F Ø32										
<b>BHA 170 AP NBR</b>	<b>852</b>	<b>853</b>	<b>680</b>		160,4	42,4	50	725	550	60	140	51	112
<b>BHA 170 AP</b>	<b>32130</b>	<b>32131</b>	<b>32132</b>		160,4	42,4	50	725	550	60	140	51	112
<b>BHA 200 AP NBR</b>	<b>832</b>	<b>833</b>	<b>681</b>		193,7	51,2	50	725	550	60	140	51	112
<b>BHA 200 AP</b>	<b>32133</b>	<b>32134</b>	<b>32135</b>		193,7	51,2	50	725	550	60	140	51	112

**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

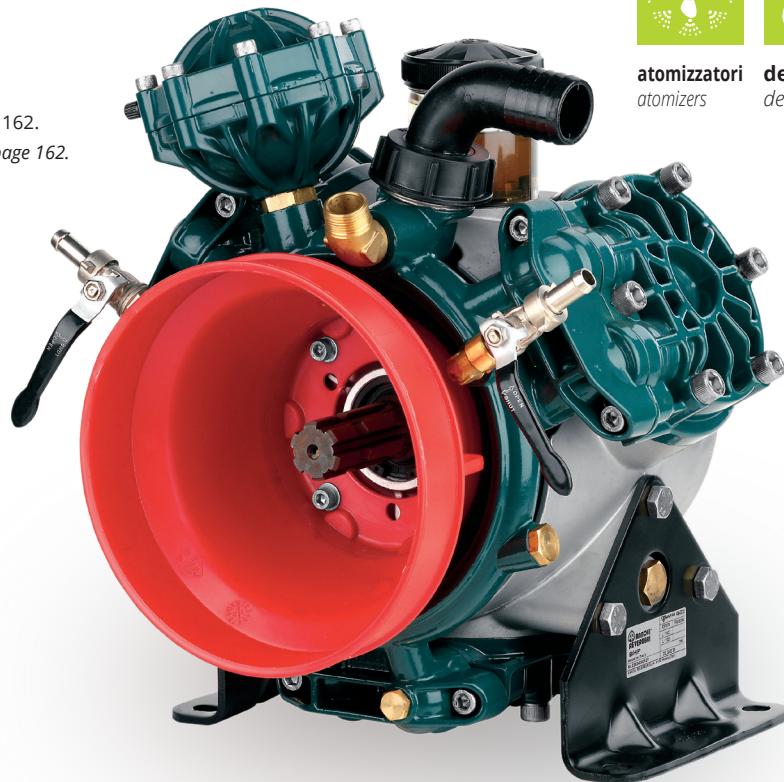
bar	psi	l/min	gpm	HP	400				450				500				550			
					l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	
<b>BHA 170</b>																				
0	0	118,9	31,4	1,2	132,9	35,1	1,7	147,3	38,9	2,2	160,4	42,4	2,7							
15	217	116,6	30,8	4,7	130,6	34,5	5,4	144,0	38,0	6,0	157,6	41,6	6,7							
30	435	115,0	30,4	8,7	129,5	34,2	9,9	143,2	37,8	11,0	156,7	41,4	12,1							
40	580	114,4	30,2	11,3	128,7	34,0	12,9	142,1	37,5	14,2	156,1	41,2	15,8							
50	725	113,1	29,9	14,0	127,9	33,8	15,8	141,6	37,4	17,5	154,9	40,9	19,3							
<b>BHA 200</b>																				
0	0	140,7	37,2	1,9	156,9	41,4	6,0	173,1	45,7	3,1	193,7	51,2	3,6							
15	217	138,5	36,6	5,4	154,8	40,9	7,6	170,8	45,1	7,0	185,4	49,0	7,6							
30	435	136,2	36,0	10,2	152,6	40,3	11,4	169,0	44,6	12,7	183,9	48,6	13,9							
40	580	135,0	35,7	13,0	151,1	39,9	14,8	167,5	44,2	16,5	182,5	48,2	18,0							
50	725	133,1	35,2	16,0	150,5	39,8	18,1	167,3	44,2	20,2	182,1	48,1	22,1							



## BHP 130 - BHP 150

### Serie ALLUMINIO PLASTIFICATA plastic-coated aluminium series

Gruppi comando vedi pag. 162.  
For control units please see page 162.



### ALTA PRESSIONE high pressure



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting

BHP 130



AP C/C



AP C/F 1" 3/8"



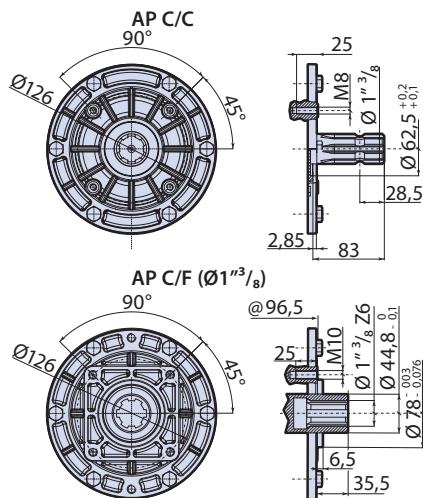
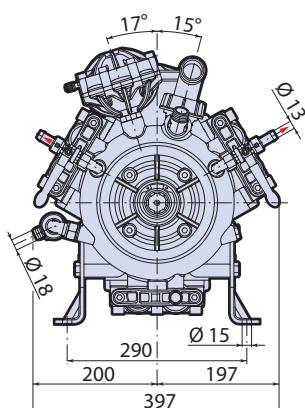
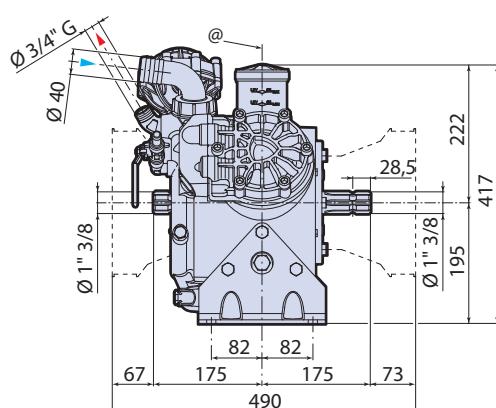
AP C/F Ø32

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR o in BlueFlex™. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Disponibile versione C/F (Ø32) per accoppiamento diretto con motore idraulico. Disponibili con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic three-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or BlueFlex™. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection. Available in C/F (Ø32) version for direct coupling to hydraulic motor. Available with flanges for overgears.



Kit Appl. FD

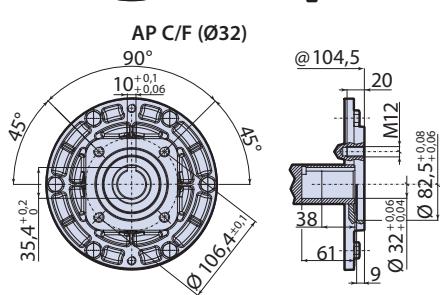
CM 2248604  
sp\_bhp130\_bhp150.pdf  
MI 91914  
DI 2248500



Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F Ø1"3/8.

*For overgears. The FD version should be fitted on C/F Ø1"3/8 version pumps.*

Cod. vedi pag. 191.  
*Code see page 191.*

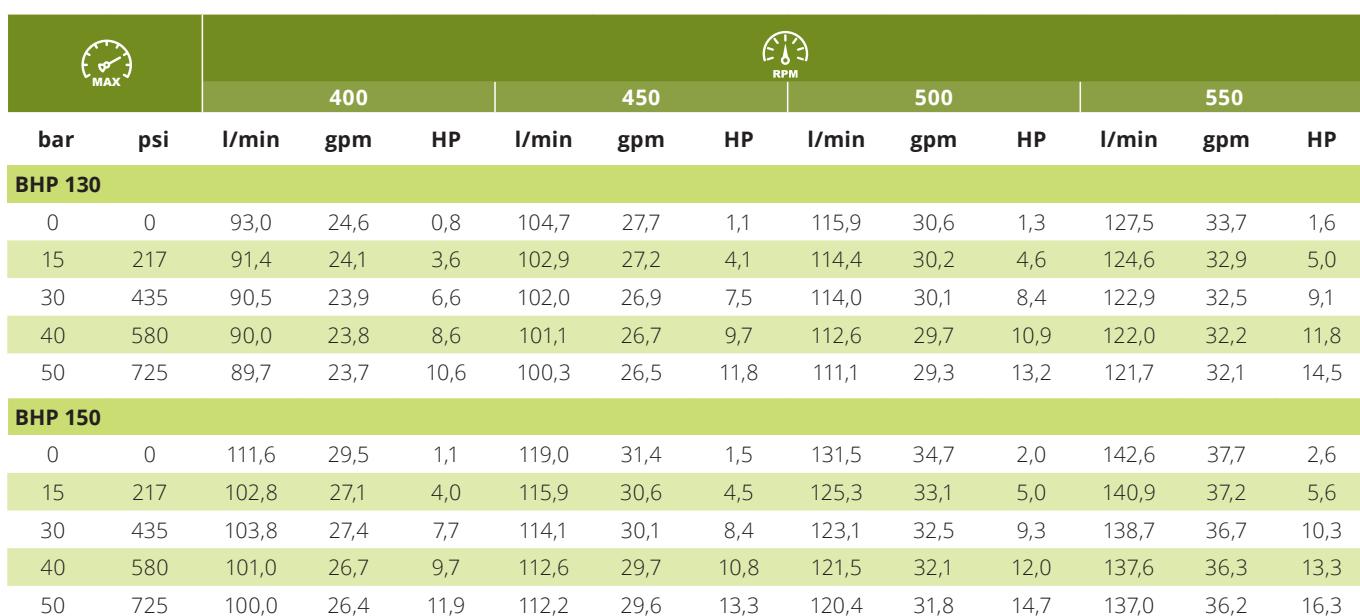


MOD	COD			 MAX	 MAX	 RPM		 NET							
	C/C	C/F Ø1"3/8	C/F Ø32						l/min	gpm	bar	psi	N°giri/1'	°C	°F
BHP 130 AP NBR	854	855	682	127,5	33,7	50	725	550	60	140	40	88,2			
BHP 130 AP E	32136	32137	32138	127,5	33,7	50	725	550	60	140	40	88,2			
BHP 150 AP NBR	856	857	683	142,6	37,7	50	725	550	60	140	40	88,2			
BHP 150 AP E	32139	32140	32141	142,6	37,7	50	725	550	60	140	40	88,2			

### **B** Pompa con Membrane in BlueFlex™ Pumps with BlueFlex™ diaphragm

## **NBR Pompa con Membrane in NBR**

Pumps with NBR diaphragm





## BHP 170 - BHP 200

### Serie ALLUMINIO PLASTIFICATA plastic-coated aluminium series

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
*high pressure*



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



BHA 170



AP C/C



AP C/F 1" 3/8"



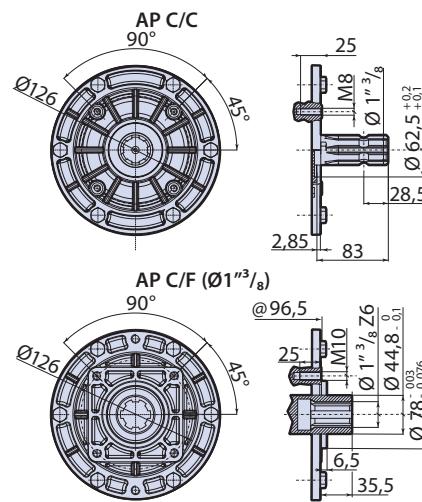
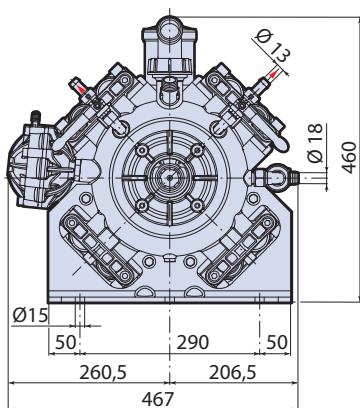
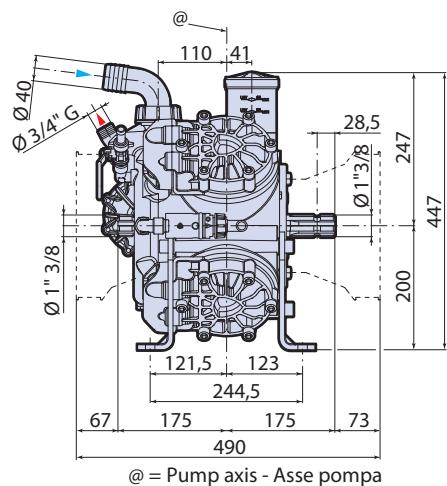
AP C/F Ø32

### Caratteristiche Generali

**Pompa a quattro membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in alluminio plastificato Rilsan e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarma, camera aria e cuffia di protezione cardano. Disponibile versione C/F (Ø32) per accoppiamento diretto con motore idraulico. Disponibili con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic four-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in plastic-coated aluminium and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection. Available in C/F (Ø32) version for direct coupling to hydraulic motor. Available with flanges for overgears.



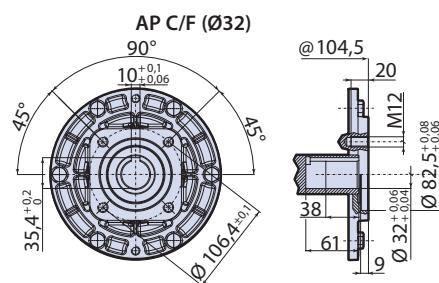
### Kit Appl. FD

CM2388602  
SP\_bhp170\_bhp200.pdf  
MI 91416  
DI 2388500



Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F Ø1"3/8.

For overgears. The FD version should be fitted on C/F Ø1"3/8 version pumps.  
Cod. vedi pag. 191.  
Code see page 191.



MOD	COD			MAX	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F Ø1"3/8	C/F Ø32										
<b>BHP 170 AP NBR</b>	<b>858</b>	<b>859</b>	<b>684</b>		160,4	42,4	50	725	550	60	140	51	112
<b>BHP 170 AP B</b>	<b>32142</b>	<b>32143</b>	<b>32144</b>		160,4	42,4	50	725	550	60	140	51	112
<b>BHP 200 AP NBR</b>	<b>846</b>	<b>847</b>	<b>685</b>		193,7	51,2	50	725	550	60	140	51	112
<b>BHP 200 AP B</b>	<b>32145</b>	<b>32146</b>	<b>32147</b>		193,7	51,2	50	725	550	60	140	51	112

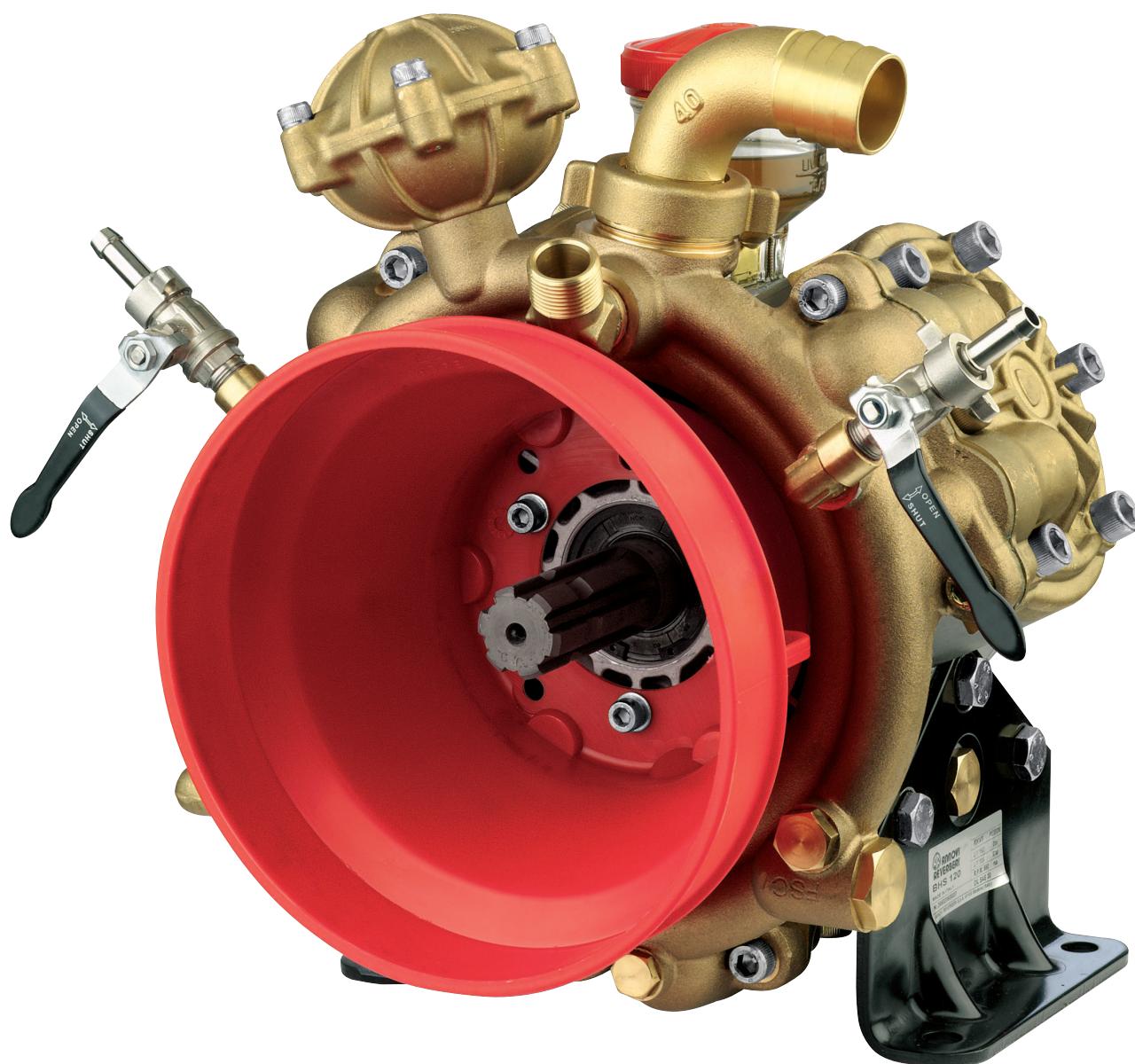
**Pompa con Membrane in BlueFlex™**  
Pumps with BlueFlex™ diaphragm

**Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

bar	psi	l/min	gpm	HP	400				450				500				550			
					MAX	RPM	MAX	RPM	MAX	RPM	MAX	RPM	MAX	RPM	MAX	RPM	MAX	RPM		
<b>BHP 170</b>																				
0	0	118,9	31,4	1,2	132,9	35,1	1,7	147,3	38,9	2,2	160,4	42,4	2,7							
15	217	116,6	30,8	4,7	130,6	34,5	5,4	144,0	38,0	6,0	157,6	41,6	6,7							
30	435	115,0	30,4	8,7	129,5	34,2	9,9	143,2	37,8	11,0	156,7	41,4	12,1							
40	580	114,4	30,2	11,3	128,7	34,0	12,9	142,1	37,5	14,2	156,1	41,2	15,8							
50	725	113,1	29,9	14,0	127,9	33,8	15,8	141,6	37,4	17,5	154,9	40,9	19,3							
<b>BHP 200</b>																				
0	0	140,7	37,2	1,9	156,9	41,4	6,0	173,1	45,7	3,1	193,7	51,2	3,6							
15	217	138,5	36,6	5,4	154,8	40,9	7,6	170,8	45,1	7,0	185,4	49,0	7,6							
30	435	136,2	36,0	10,2	152,6	40,3	11,4	169,0	44,6	12,7	183,9	48,6	13,9							
40	580	135,0	35,7	13,0	151,1	39,9	14,8	167,5	44,2	16,5	182,5	48,2	18,0							
50	725	133,1	35,2	16,0	150,5	39,8	18,1	167,3	44,2	20,2	182,1	48,1	22,1							

# SERIE OTTONE

*Brass Series*





## BHS 95

### Serie OTTONE brass series

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
*high pressure*



**atomizzatori**  
*atomizers*

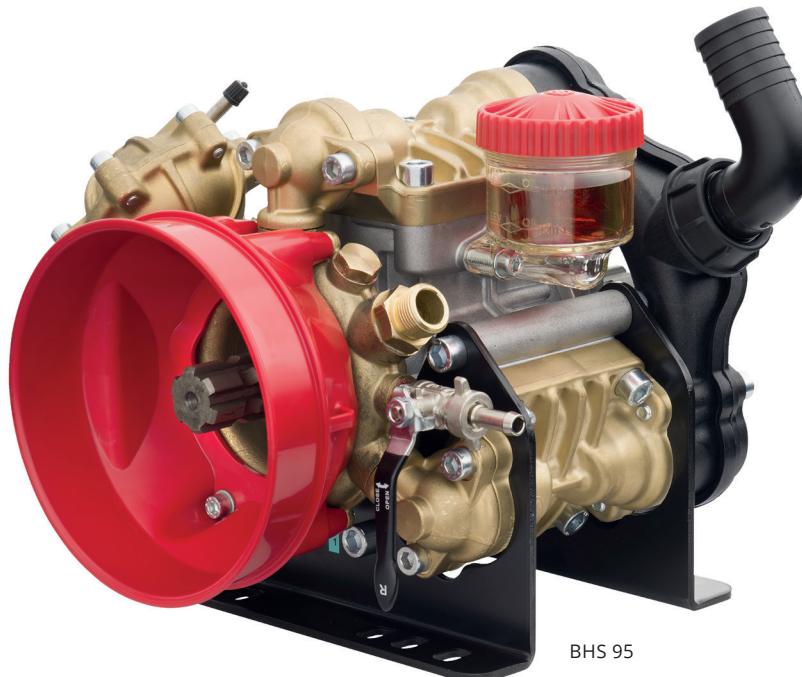


**deicing**  
*deicing*



**antincendio**  
*fire-fighting*

**NEW**



BHS 95



AP C/C



AP C/F 1" 3/8



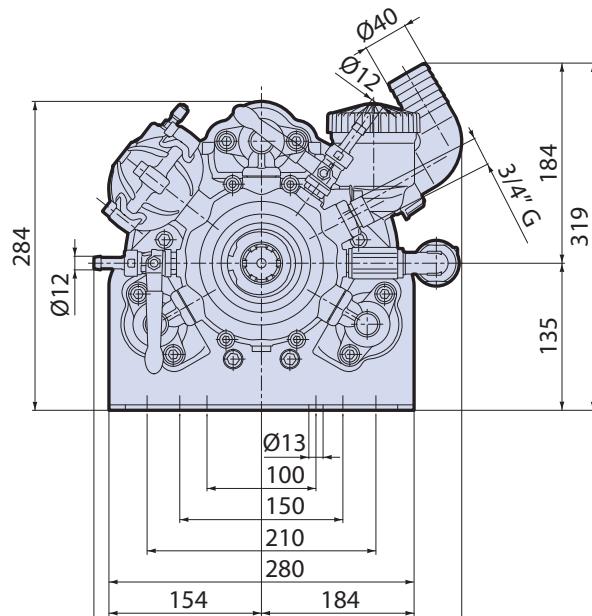
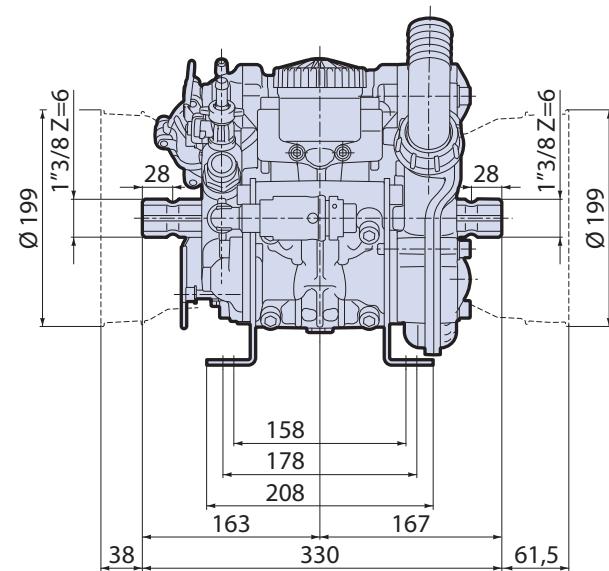
AP C/F Ø 25

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Condotto di aspirazione e mandata esterni alla pompa. Parti in contatto con i liquidi pompati in ottone/Nylon rinforzato e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Disponibile versione C/F (Ø25) per accoppiamento diretto con motore idraulico. Disponibile con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic three-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in brass/reinforced Nylon and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection. Available in C/F (Ø25) version for direct coupling to hydraulic motor. Available with flanges for overgears.



[M 4708600  
p\_bh95.pdf  
[n]i 94647  
[D] 4708500

MOD	COD			 MAX	 MAX	 RPM		 NET				
	C/C	C/F 1"3/8	C/F Ø25	l/min	gpm	bar	psi	Nºgiri/1'	°C	°F	kg	lb
BHS 95 AP NBR	32281	32282	32283	90	23,7	50	725	550	60	140	30	66,1
BHS 95 AP B	32265	32267	32268	90	23,7	50	725	550	60	140	30	66,1

#### **B** Pompa con Membrane in BlueFlex™ Pumps with BlueFlex™ diaphragm

**NBR Pompa con Membrane in NBR**  
Pumps with NBR diaphragm

		350				450				500				550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP										
<b>BHS 95</b>																	
0	0	60,5	16,0	0,4	76,0	20,1	0,7	82,3	21,7	0,9	90,6	23,9	1,1				
30	435	55,6	14,7	4,2	71,0	18,8	5,6	79,2	20,9	6,2	85,1	22,5	7,0				
40	580	55,4	14,6	5,4	69,2	18,3	7,2	77,5	20,5	8,0	84,6	22,3	8,9				
50	725	54,0	14,3	6,6	69,1	18,3	8,7	77,1	20,4	9,6	83,4	22,0	10,8				



## BHS 90 - BHS 105 - BHS 120

### Serie OTTONE brass series

Kit Applicazioni pag. 160.

Application kits page 160.

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
high pressure



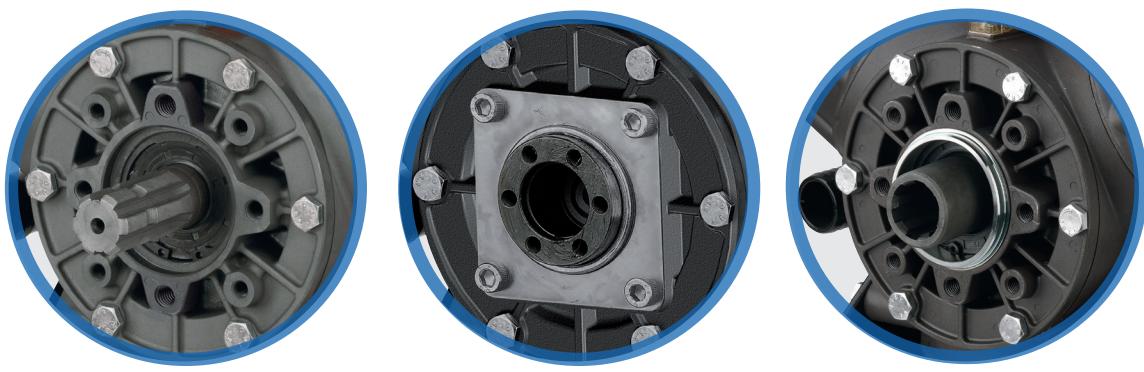
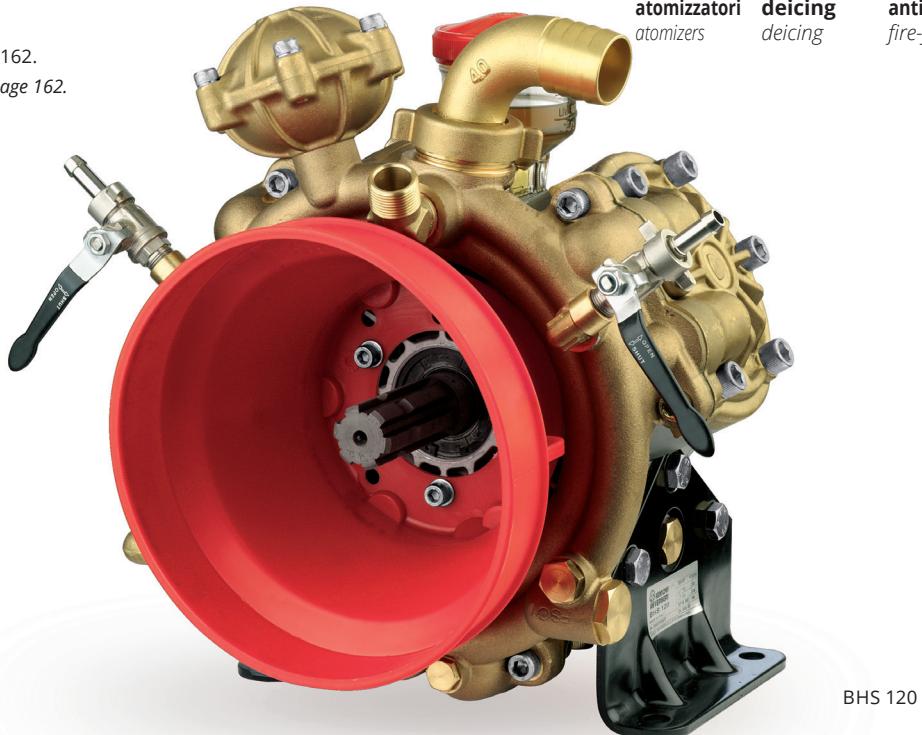
atomizzatori  
atomizers



deicing



antincendio  
fire-fighting



AP C/C

AP C/SP

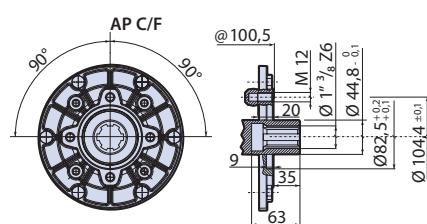
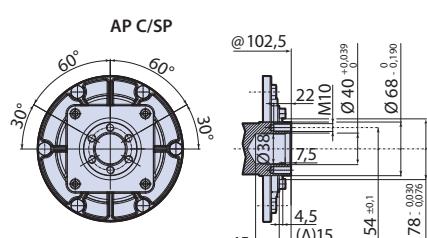
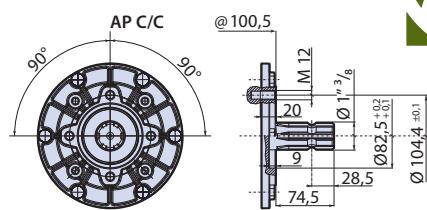
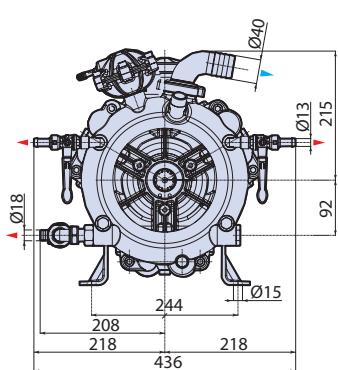
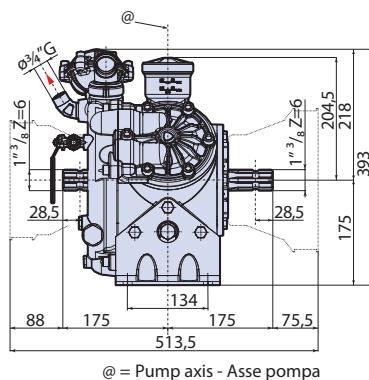
AP C/F 1<sup>3/8</sup>

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in ottone/bronzo e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo, camera aria e cuffia di protezione cardano. Disponibili con kit puleggia, flangiature per motori idraulici, pompe idrauliche e moltiplicatori di giri.

### General Features

**Semi-hydraulic three-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in brass/bronze and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm, air chamber and cardan protection. Available with pulley kits and flanges for hydraulic motors, overgears.



CM2668600  
sp\_bhs90\_bhss105\_bhss120.pdf  
MI 91917  
DI 2685500

- Nelle pompe C/SP la quota  $\Delta$  17 si riduce a 15 con la flangia anello tenuta montata sul corpo pompa. N.B. Togliere la flangia anello tenuta cod. 1400140 prima di accoppiare il riduttore alla pompa.
- In C/SP pumps the value  $\Delta$  17 is reduced to 15 with the seal ring flange mounted on the pump body. N.B. Remove the seal ring flange code 1400140 before fitting the reduction gear to the pump.

MOD	COD			MAX	l/min	gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/SP	C/C	C/F 1"3/8										
<b>BHS 90 AP NBR</b>	<b>705</b>	<b>706</b>	<b>707</b>		90,6	23,9	50	725	550	60	140	42,8	94,4
<b>BHS 90 AP B</b>	<b>32149</b>	<b>32148</b>	<b>32150</b>		90,6	23,9	50	725	550	60	140	42,8	94,4
<b>BHS 105 AP NBR</b>	<b>710</b>	<b>711</b>	<b>712</b>		101,9	26,9	50	725	550	60	140	42,8	94,4
<b>BHS 105 AP B</b>	<b>32152</b>	<b>32151</b>	<b>32153</b>		101,9	26,9	50	725	550	60	140	42,8	94,4
<b>BHS 120 AP NBR</b>	<b>715</b>	<b>716</b>	<b>717</b>		113,0	29,8	50	725	550	60	140	42,8	94,4
<b>BHS 120 AP B</b>	<b>32155</b>	<b>32154</b>	<b>32156</b>		113,0	29,8	50	725	550	60	140	42,8	94,4

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

**NBR** Pompa con Membrane in NBR  
Pumps with NBR diaphragm

	RPM												
	400			450			500			550			
bar	psi	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP	l/min	gpm	HP
<b>BHS 90</b>													
0	0	66,9	17,7	0,6	75,2	19,9	0,7	84,9	22,4	0,8	90,6	23,9	0,9
15	217	65,4	17,3	2,6	73,5	19,4	3,0	84,2	22,2	3,3	88,5	23,4	3,5
30	435	65,1	17,2	4,8	73,2	19,3	5,5	80,5	21,3	5,9	88,0	23,2	6,5
40	580	64,6	17,1	6,3	72,8	19,2	7,1	77,5	20,5	7,7	87,2	23,0	8,4
50	725	64,0	16,9	7,7	72,2	19,1	8,7	74,2	19,6	9,5	86,7	22,9	10,5
<b>BHS 105</b>													
0	0	74,7	19,7	0,6	83,2	22,0	0,8	93,8	24,8	1,0	101,9	26,9	1,2
15	217	73,1	19,3	3,0	80,2	21,2	3,3	91,5	24,2	3,8	99,9	26,4	4,1
30	435	72,6	19,2	5,4	79,9	21,1	6,1	89,9	23,8	6,9	99,6	26,3	7,6
40	580	71,8	19,0	7,0	79,7	21,0	7,9	89,8	23,7	8,9	99,5	26,3	9,8
50	725	71,4	18,9	8,6	79,3	21,0	9,7	89,7	23,7	11,0	99,2	26,2	12,0
<b>BHS 120</b>													
0	0	84,3	22,3	0,8	94,4	24,9	1,0	102,6	27,1	1,2	113,0	29,8	1,4
15	217	82,9	21,9	3,4	93,5	24,7	3,8	101,5	26,8	4,2	110,6	29,2	4,6
30	435	82,4	21,8	6,2	92,3	24,4	6,9	101,4	26,8	7,6	110,1	29,1	8,3
40	580	81,9	21,6	8,0	91,6	24,2	8,9	101,0	26,7	10,0	109,7	29,0	10,9
50	725	81,6	21,6	9,9	91,2	24,1	11,0	100,8	26,6	12,3	109,2	28,9	13,3



## BHS 130 - BHS 150

### Serie OTTONE brass series

Gruppi comando vedi pag. 162.  
For control units please see page 162.



### ALTA PRESSIONE high pressure



atomizzatori  
atomizers



deicing



antincendio  
fire-fighting

BHS 150



AP C/C



AP C/F 1" 3/8



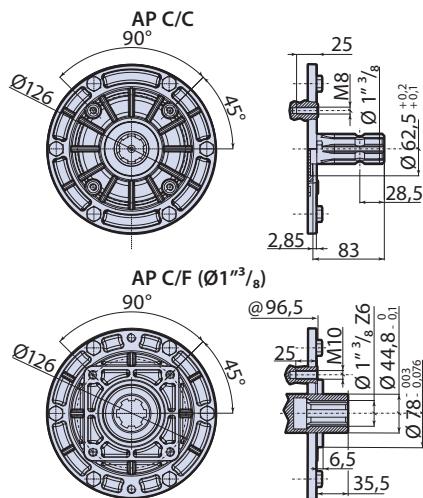
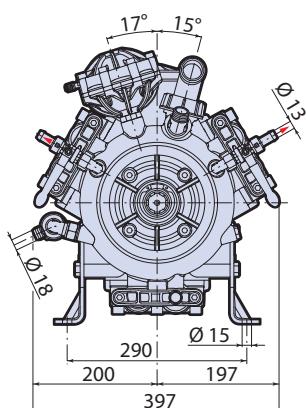
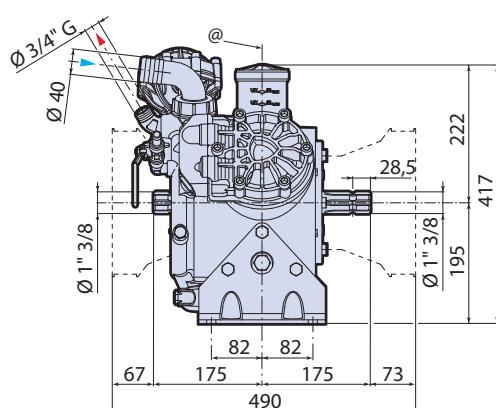
AP C/F Ø32

### Caratteristiche Generali

**Pompa a tre membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in ottone/bronzo e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo e cuffia di protezione cardano. Disponibile versione C/F (Ø32) per accoppiamento diretto con motore idraulico. Disponibili con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic three-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in brass/bronze and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm and cardan protection. Available in C/F (Ø32) version for direct coupling to hydraulic motor. Available with flanges for overgears.



Kit Appl. FD

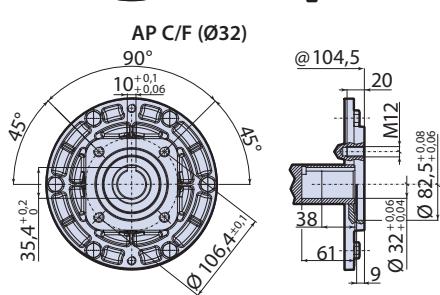
CM 2248600  
sp\_bhs130\_bhs150.pdf  
MI 91913  
DI 2248500



Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F Ø1"3/8.

*For overgears. The FD version should be fitted on C/F Ø1"3/8 version pumps.*

Cod. vedi pag. 191.  
*Code see page 191.*

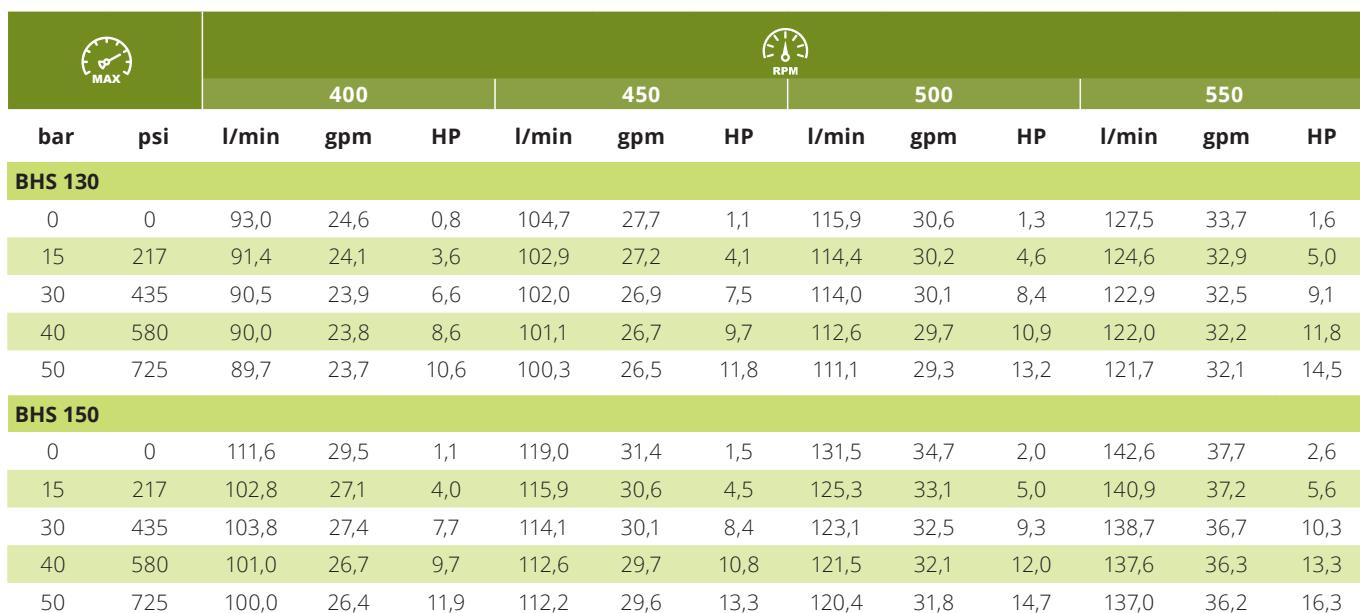


MOD	COD			 MAX	 MAX	 RPM		 NET					
	C/C	C/F Ø1"3/8	C/F Ø32						l/min	gpm	bar	psi	N°giri/1'
BHS 130 AP NBR	761	762	835		127,5	33,7	50	725	550	60	140	52	114,6
BHS 130 AP 	32157	32158	32159		127,5	33,7	50	725	550	60	140	52	114,6
BHS 150 AP NBR	763	764	836		142,6	37,7	50	725	550	60	140	52	114,6
BHS 150 AP 	32160	32161	32162		142,6	37,7	50	725	550	60	140	52	114,6

## **B** Pompa con Membrane in BlueFlex™ Pumps with BlueFlex™ diaphragm

## **NBR Pompa con Membrane in NBR**

Pumps with NBR diaphragm





## BHS 170 - BHS 200

### Serie OTTONE brass series

Gruppi comando vedi pag. 162.

For control units please see page 162.

**ALTA PRESSIONE**  
high pressure



atomizzatori  
atomizers

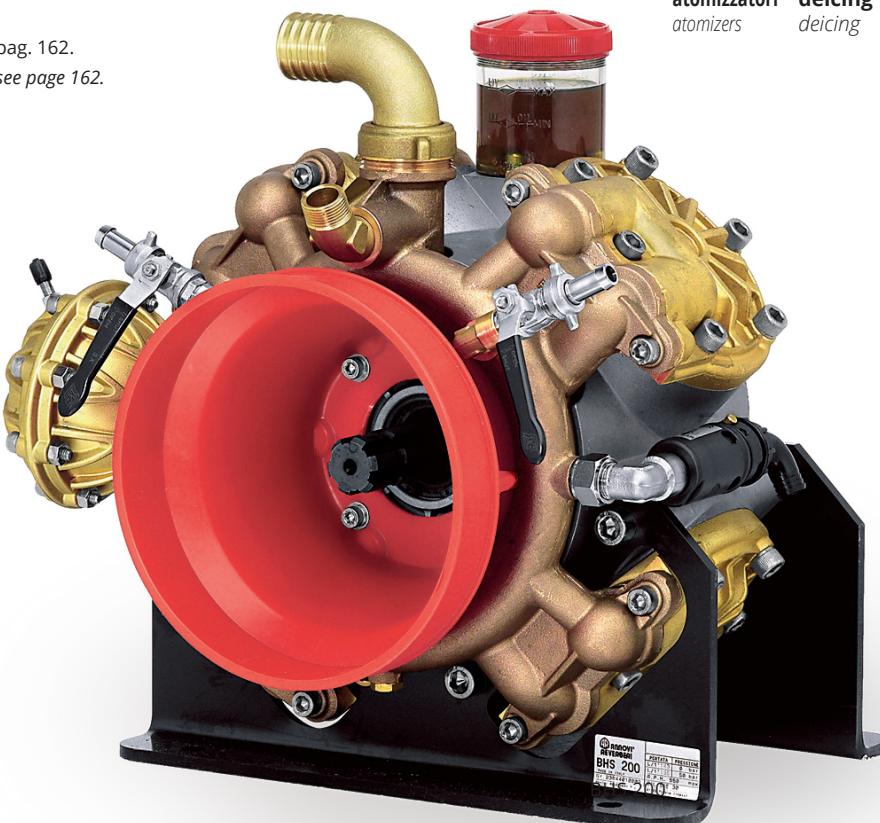


deicing



antincendio  
fire-fighting

**B**  
BlueFlex



AP C/C



AP C/F 1" 3/8"



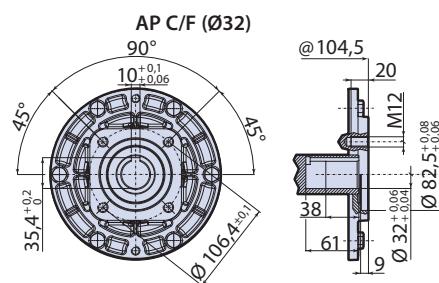
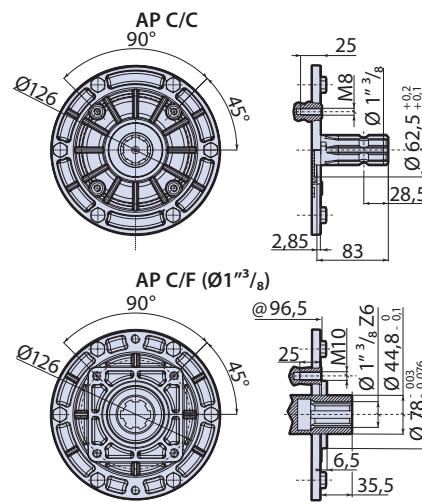
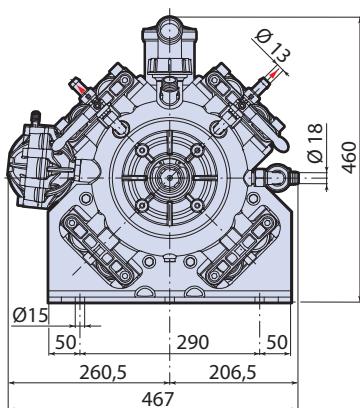
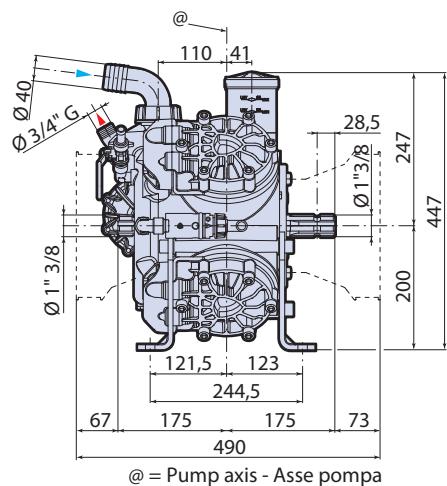
AP C/F Ø32

### Caratteristiche Generali

**Pompa a quattro membrane semidrauliche.** Condotto di aspirazione e mandata esterno alla pompa. Parti in contatto con i liquidi pompati in ottone/bronzo e AISI 303/304. Membrane in NBR o in **BlueFlex™**. Tenute in NBR. Viteria con trattamento di zincatura galvanica. Completa di valvola di sovrappressione con riarmo e cuffia di protezione cardano. Disponibile versione C/F (Ø32) per accoppiamento diretto con motore idraulico. Disponibili con flangiature per moltiplicatori di giri.

### General Features

**Semi-hydraulic four-diaphragm pump.** Suction and delivery manifold separate from the pump. Parts in contact with pumped liquids in brass/bronze and AISI 303/304. Diaphragms in NBR or **BlueFlex™**. Seals in NBR. Metal fasteners with galvanised finish. Complete with safety valve with re-arm and cardan protection. Available in C/F (Ø32) version for direct coupling to hydraulic motor. Available with flanges for overgears.



### Kit Appl. FD

CM2388600  
SP\_bhs170\_b hs200.pdf  
MI 91915  
DI 2388500



Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F Ø 1 3/8".

For overgears. The FD version should be fitted on C/F Ø 1 3/8" version pumps.  
Cod. vedi pag. 191.  
Code see page 191.

MOD	COD			MAX l/min	MAX gpm	bar	psi	N°giri/1'	°C	°F	kg	lb
	C/C	C/F Ø 1" 3/8	C/F Ø 32									
<b>BHS 170 AP NBR</b>	<b>765</b>	<b>770</b>	<b>837</b>	160,4	42,4	50	725	550	60	140	65	143,3
<b>BHS 170 AP B</b>	<b>32163</b>	<b>32164</b>	<b>32165</b>	160,4	42,4	50	725	550	60	140	65	143,3
<b>BHS 200 AP NBR</b>	<b>795</b>	<b>796</b>	<b>838</b>	193,7	51,2	50	725	550	60	140	65	143,3
<b>BHS 200 AP B</b>	<b>32166</b>	<b>32167</b>	<b>32168</b>	193,7	51,2	50	725	550	60	140	65	143,3

**B** Pompa con Membrane in BlueFlex™  
Pumps with BlueFlex™ diaphragm

NBR Pompa con Membrane in NBR  
Pumps with NBR diaphragm

bar	psi	l/min	gpm	HP	400				450				500				550			
					MAX	400	450	500	MAX	400	450	500	MAX	400	450	500	MAX	400	450	500
<b>BHS 170</b>																				
0	0	118,9	31,4	1,2	132,9	35,1	1,7	147,3	38,9	2,2	160,4	42,4	2,7							
15	217	116,6	30,8	4,7	130,6	34,5	5,4	144,0	38,0	6,0	157,6	41,6	6,7							
30	435	115,0	30,4	8,7	129,5	34,2	9,9	143,2	37,8	11,0	156,7	41,4	12,1							
40	580	114,4	30,2	11,3	128,7	34,0	12,9	142,1	37,5	14,2	156,1	41,2	15,8							
50	725	113,1	29,9	14,0	127,9	33,8	15,8	141,6	37,4	17,5	154,9	40,9	19,3							
<b>BHS 200</b>																				
0	0	140,7	37,2	1,9	156,9	41,4	6,0	173,1	45,7	3,1	193,7	51,2	3,6							
15	217	138,5	36,6	5,4	154,8	40,9	7,6	170,8	45,1	7,0	185,4	49,0	7,6							
30	435	136,2	36,0	10,2	152,6	40,3	11,4	169,0	44,6	12,7	183,9	48,6	13,9							
40	580	135,0	35,7	13,0	151,1	39,9	14,8	167,5	44,2	16,5	182,5	48,2	18,0							
50	725	133,1	35,2	16,0	150,5	39,8	18,1	167,3	44,2	20,2	182,1	48,1	22,1							



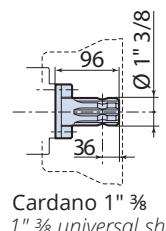
# KIT APPLICAZIONI

**ALTA PRESSIONE**  
high pressure

BHS 90  
BHS 105  
BHS 120

application kits

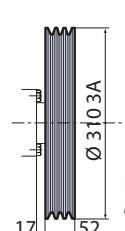
## Kit Appl.C cod.1519



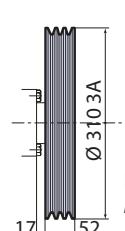
CM 658603  
MI 5775

Cardano 1" 1/8  
1" 1/8 universal shaft

## Kit Appl.P

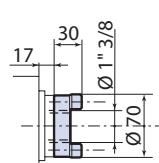


Puleggia  
Pulley



Kit Appl. P cod.1520 Ø310 3A

## Kit Appl.F cod.1510



Femmina 1"3/8  
1"3/8 female

Le applicazioni sono da utilizzare solamente con le opportune protezioni a tutela dell'operatore.

The applications should be used only with the proper protective equipment for the safety of the operator.

Per pompe versione For version pump	C/SP					C/F 1"3/8
Tipo · Type	Kit Appl. C	Kit Appl. F	Kit Appl. P	Kit Appl. FDG	Kit Appl. IDM/IDP	Kit Appl. FD
BHS 90	cod. 1519	cod. 1510	cod. 1520	pag. 194	pag. 186	pag. 191
BHS 105	cod. 1519	cod. 1510	cod. 1520	pag. 194	pag. 186	pag. 191
BHS 120	cod. 1519	cod. 1510	-	pag. 194	pag. 186	pag. 191

## Kit Appl.FD (1)



Dimensioni vedi pag.191.  
See dimensions page 191.

Per moltiplicatori. La versione FD è da applicare alle pompe versione C/F 1"3/8.  
For overgears. The FD version should be fitted on C/F 1"3/8 version pumps.

For overgears. The FD version should be fitted on C/F 1"3/8 version pumps.

Marca Make	Tipo Type	KIT APPL. FD	KIT APPL. FDG
		Cod.	Cod.
Bima	CAR 3 P Foratura esterna 160x75	5345	5330
	CAR 3 P Foratura interna 70x82	5344	5328
	M30N - M47N - M60N	5336	5348
	MSC	5354	5355
CMV	MA 50 Foratura esterna 160x75	5345	5330
	MA 50 Foratura interna 70x82	5344	5328
	MA86 MA86S MA107 MA107S MA110 MA110S MA110 3V	5336	5348
	A 4 A	55364	55365
Comer	D4 D7 D21 D27	5336	5348
	CM 9 PG	55354	55355
Fieni	Moltiplicatore V1	5346	5290
	AP 102	55364	55365
GB	AT39	5345	5330
	AT46 - AT53 - AT55 - AT65 - AT70	5336	5348
Reduco	R810 R830 R840	5336	5348
Omas	Moltiplicatore	55359	-

## Kit Appl.FDG (1)



Dimensioni vedi pag.194.  
See dimensions page 194.

Per moltiplicatori. La versione FDG è da applicare alle pompe versione C/SP.  
For overgears. The FDG version should be fitted on C/SP version pumps.

I codici si riferiscono al solo kit applicazione, pompa esclusa.  
(1) Le dimensioni di questi kit applicazione variano a seconda della marca e del tipo di macchina a cui deve essere applicata la pompa.

The part numbers refer to the application kit only, excluding the pump.

(1) The dimensions of these kits vary according to the make and type of machine the pump is to be installed on.

# KIT APPLICAZIONI

**ALTA PRESSIONE**  
high pressure



application kits

## Kit Appl.IDM/IDP



Per motori e pompe idrauliche.  
For hydraulic motors and pumps.

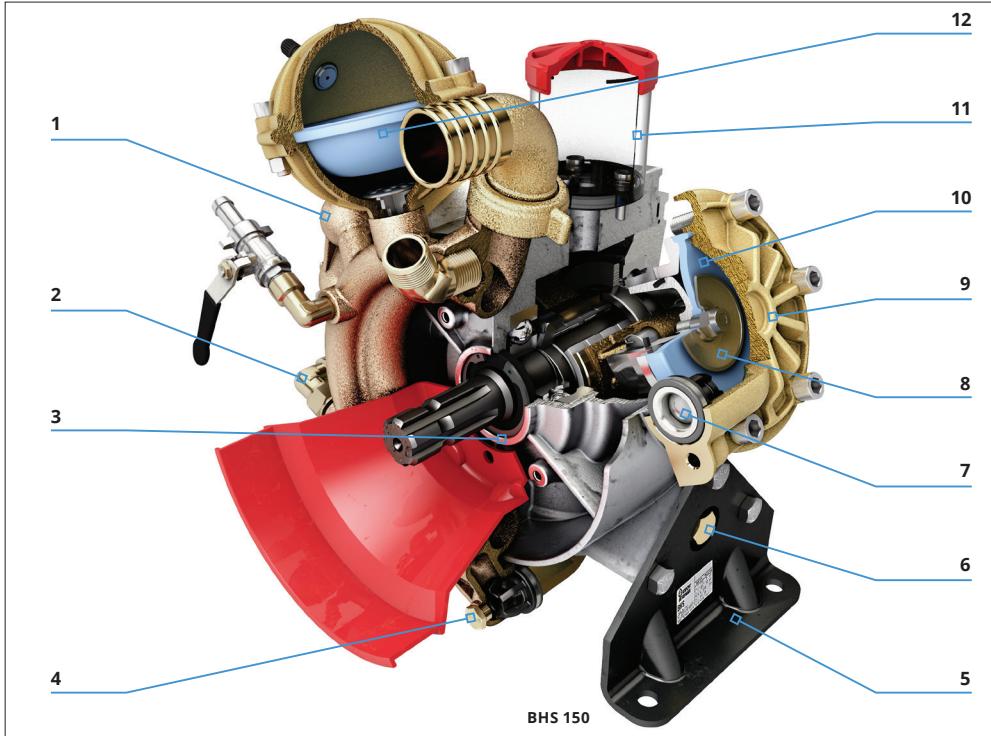
## Applicazioni "IDP" per pompe idrauliche Fittings for hydraulic pumps "IDP"

Marca Make	Tipo Type	Codice Code	Dimensioni Dimensions
Casappa Salami	Pompe gruppo 3 flangia SAE - 1"	5335	

## Applicazioni "IDM" per motori idraulici Fittings for hydraulic motors "IDM"

Marca Make	Tipo Type	Codice Code	Dimensioni Dimensions
Sauer	OMP 25 - 32 40 - 50 albero Ø25mm 80 - 100 - 160 OMR 80 OMR 100	5327	
Danfoss	OMP 50 albero Ø25,4 mm (Ø 1") 80 - 100 - 160 OMR 80 OMR 100	5312	
Char-Lynn Eaton	Serie 2000 albero Ø25,4mm (Ø1") Tipo 2 - 80,2- 100,2 160	5312	

## PLUS



1. Doppio circuito, esterno alla pompa, aspirazione e mandata monoblocco in bronzo esclusivo AR.  
*Exclusive AR bronze monoblock dual suction and delivery circuit separate from pump.*
2. Valvola di sicurezza incorporata.  
*Integral safety valve.*
3. Meccanica robusta con cuscinetti sovradiimensionati.  
*High-strength mechanical parts with oversize bearings.*
4. Tappo di svuotamento per rimessaggio invernale.  
*Drainage plug for end-of-season storage.*
5. Supporti in lamiera con trattamento di Cataforesi, di costituzione robusta e fissati al corpo pompa.  
*High-strength electrophoresis-treated steel plate supports fixed to pump body.*
6. Tappo scarico olio.  
*Oil drain plug.*
7. Nuove valvole aspirazione e mandata, studiate per la riduzione del rumore.  
*New intake and delivery valves designed to reduce noise.*
8. Piattello richiamo membrana ottimizzato per incrementare la vita della membrana.  
*Diaphragm return plate optimised for longer diaphragm lifetime.*
9. Testata in ottone ad alta resistenza.  
*High-strength brass head.*
10. Serbatoio olio in poliammide, alta resistenza.  
*High-strength polyamide oil tank.*
11. Membrana camera aria in BlueFlex™.  
*BlueFlex™ air chamber diaphragm.*
12. Membrana BlueFlex™ ad alte prestazioni.  
*High-performance BlueFlex™ diaphragm.*



## GRUPPI COMANDO

**ALTA PRESSIONE**  
high pressure

control units

Tipo Type	Portata max Max delivery	Pressione max Max pressure	Nº Rubinetti Valves	Peso Weight	Ingresso Inlet	Scarico Return	Uscita Outlet	Pag.
	L/1' gpm	bar psi		kg	¾"G	Ø25	Ø10	
<b>NEW</b> GMC 50	80	21,1	50	725	(2)	1,2	¾"G	Ø25
VDR 50	130	34,3	50	725	2 (+2)	2,2	¾"G	Ø25
GH 50	200	52,8	50	725	(2)	3,8	¾"G	Ø25
VH 50	200	52,8	50	725	(2)	2,5	¾"G	Ø25
By Matic 50	200	52,8	50	725	2 (+2)	2,7	¾"G	Ø25
BMH 50	200	52,8	50	725	2 (+2)	3,1	¾"G	Ø25
BMS 50	200	52,8	50	725	2	5	¾"G	Ø25
<b>NEW</b> BMC 50	200	52,8	50	725	(2)	5	¾"G	Ø25



**NEW**

**GMC 50**  
AR 713, AR 813



**VDR 50\***

BHA-BHP 130,  
BHS 90-105-110-120  
AR 713, AR 813, AR 1064,  
AR 903, AR 1053, AR 1203



**BY MATIC 50\***

BHA-BHP 130-150-170-200  
AR 713, AR 813, AR 1064,  
AR 903, AR 1053,  
AR 1203, AR 1604



BRASS



**BMH 50**

BHA-BHP 130-150-170-200  
BHS 90-105-120-130-150-170-200  
AR 713, AR 813, AR 1064,  
AR 903, AR 1053,  
AR 1203, AR 1604



BRASS

**BMS 50**  
BHS 90-105-120  
BHS 130-150-170-200



BRASS



**NEW**

**BMC 50**  
BHS 95-90-105-120  
BHS 130-150-170-200



**GH 50**

BHA-BHP 130-150-170-200  
BHS 90-105-120-130-150-170-200



**VH 50**

BHA-BHP 130-150-170-200  
BHS 90-105-120-130-150-170-200  
AR 713, AR 813, AR 1064,  
AR 903, AR 1053, AR 1203, AR 1604



\* Le foto si riferiscono a gruppi comando versione "a distanza".  
\* The photos are relative to "remote" control unit versions.

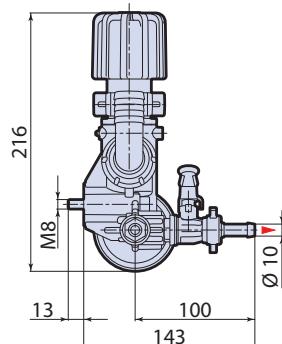
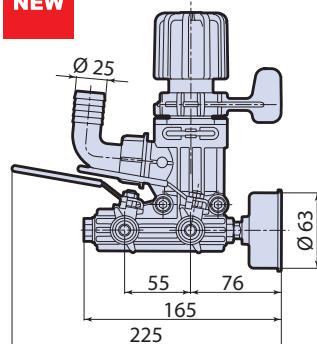
# GMC 50

**ALTA PRESSIONE**  
high pressure

Portata max	80	L/1'	Max. flow	21,1	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	1,2	kg	Weight	2,6	lb



**NEW**



Cod. 32284



AR 713



AR 813

**Gruppo comando con valvola di regolazione pressione lavoro**, leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve**, by-pass control lever and glycerine bath pressure gauge with coloured dial.

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice • code

**AR 713**  
**AR 813**

**32284**  
2 rubinetti  
2 valves

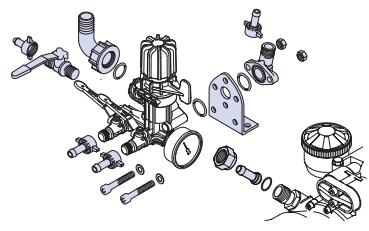
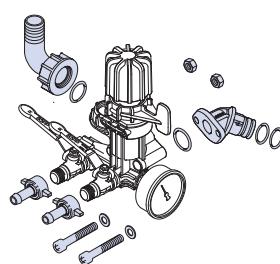
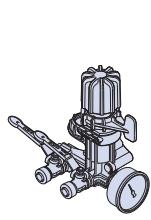
**43992**

**43994**  
+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



**32284**

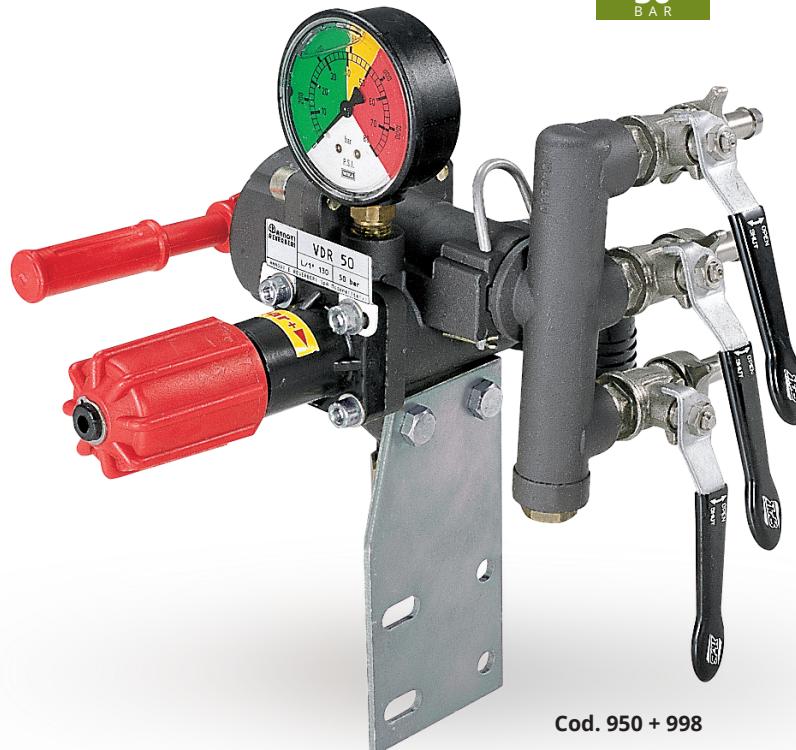
**43992**

**43994**



## VDR 50

**ALTA PRESSIONE**  
high pressure



Cod. 950 + 998

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice · code

**AR 713**  
**AR 813**  
**AR 903**  
**AR 1053**  
**AR 1064**  
**AR 1203**  
**BHA series**  
**BHP series**  
**BHS series**

**950**  
2 rubinetti  
2 valves

**33053**  
2 rubinetti  
2 valves  
Manometro inox  
Inox pressure gauge

**978**  
AR 713 - AR 813 - AR 1064

**946**  
AR 903 - AR 1053 - AR 1203  
BHA 130 - BHP 130  
BHS 90 - BHS 105  
BHS 120 - BHS 130

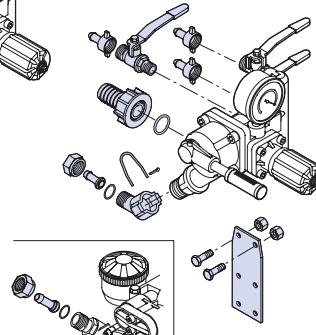
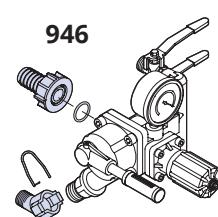
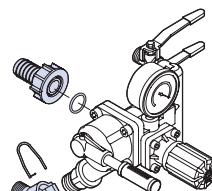
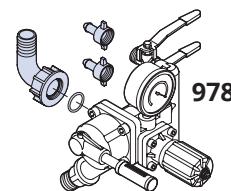
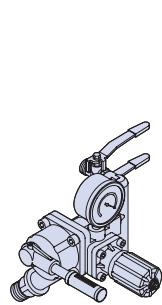
**946** 3/4"G (M)  
Senza autobloccanti e senza staffa / Without self-locking nuts and without bracket

**998** (Ø13)  
+1 rubinetto / valve  
Senza autobloccanti / Without self-locking nuts

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



950

33053

978

946

946

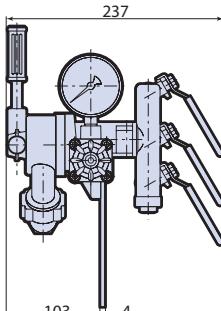
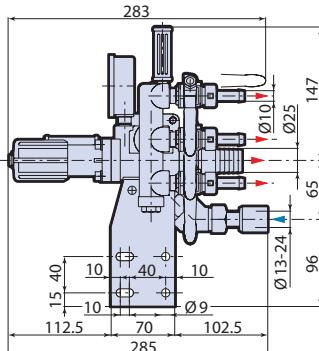
998



## ALTA PRESSIONE

high pressure

Portata max	130	L/1'	Max. flow	34,3	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	2,2	kg	Weight	4,9	lb



DI 1088505



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.



A richiesta con manometro inox a scala 0÷60 bar.  
With 0÷60 bar scale inox pressure gauge on request.

CM 1048607  
sp\_yar50.pdf  
MI 9369



AR 713



AR 813



AR 903 - 1053 - 1203



AR 1064



BHA-BHP 130



BHS 90-105-120-130

**Gruppo comando con valvola di regolazione pressione lavoro**, leva comando by-pass, completo di manometro a bagno di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve, by-pass control lever and glycerine bath pressure gauge with coloured dial.**

### Kit per comando separato

Kit for remote control unit

### Tipo pompa

Pump type

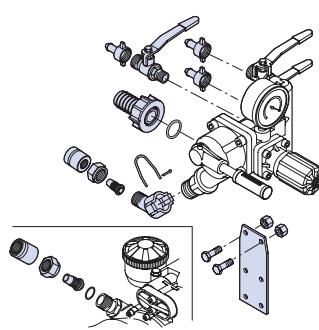
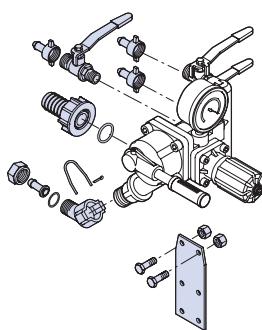
codice • code

**986** ( $\varnothing 13 \times 24$ )  
+1 rubinetto / valve  
Con autobloccanti / With self-locking nuts  
AR 713 - AR 813

**987** ( $\varnothing 19 \times 34$ )  
+1 rubinetto / valve  
Con autobloccanti / With self-locking nuts  
AR 1064 - BHA 130 - BHP 130  
BHS 90 - BHS 105 - BHS 120 - BHS 130

**AR 713**  
**AR 813**  
**AR 903**  
**AR 1053**  
**AR 1064**  
**AR 1203**  
**BHA series**  
**BHP series**  
**BHS series**

NB:  
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.  
The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



986

987



## BY MATIC 50

**ALTA PRESSIONE**  
high pressure



Cod. 960 + 999

ALUMINIUM

**Tipo pompa**  
Pump type

**Gruppo comando**  
Control unit

**Kit per comando incorporato**  
Kit for built-in control unit

**Kit per comando separato**  
Kit for remote control unit

codice · code

**AR 903**

**960**  
2 rubinetti  
2 valves

**AR 1053**

**AR 1064**

**AR 1203**

**AR 1604**

**BHA series**

**BHP series**

**BHS series**

**895**

**988**

Senza autobloccanti e senza staffa / Without self-locking nuts and without bracket

**33054**

2 rubinetti  
2 valves  
Manometro inox  
Inox pressure gauge

Non disponibile per  
Not available for  
AR 1064, AR 1604

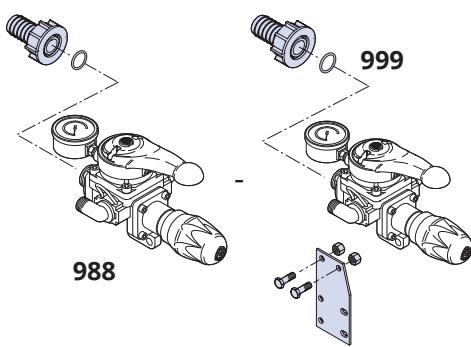
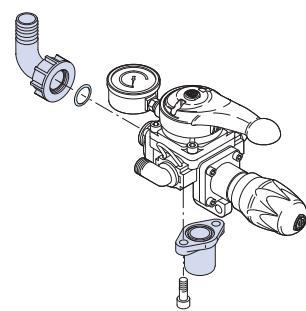
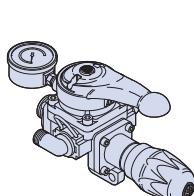
**999**

Senza autobloccanti con staffa / Without self-locking nuts and with brackets

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



**960**

**33054**

**895**

**988**

**999**

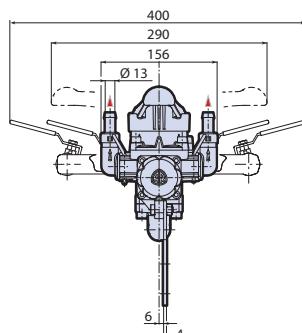
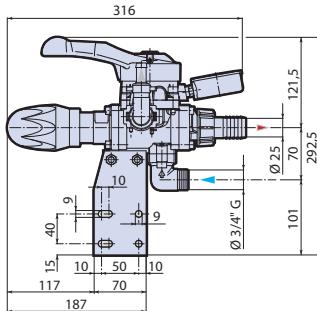


## ALTA PRESSIONE

high pressure

Portata max	200	L/1'	Max. flow	52,8	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	2,7	kg	Weight	6	lb

DI1158504



A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.



A richiesta con manometro inox a scala 0÷60 bar.  
With 0÷60 bar scale inox pressure gauge on request.



AR 903 - 1053 - 1203



AR 1064



AR 1604



BHA-BHP



BHS

**Gruppo comando con valvola di regolazione pressione lavoro,** leva unica per comando chiusura parziale o generale e scarico, manometro a bagno d'olio di glicerina con quadrante colorato.

**Control unit with working pressure regulating valve, single lever for partial or total closure and discharge, and glycerine bath pressure gauge with coloured dial.**

### Kit per comando separato

Kit for remote control unit

codice • code

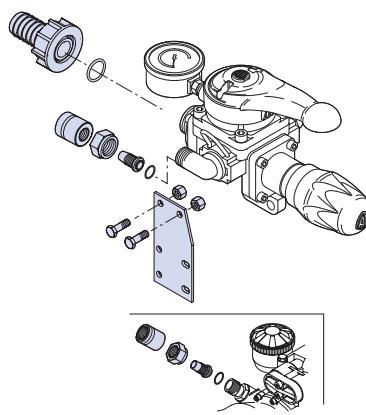
### Tipo pompa

Pump type

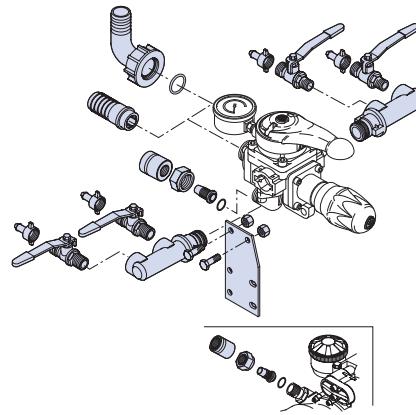
**AR 903**  
**AR 1053**  
**AR 1064**  
**AR 1203**  
**AR 1604**  
**BHA series**  
**BHP series**  
**BHS series**

**990** (Ø19x34)  
Con autobloccanti / With self-locking nuts

**997** (Ø19x34)  
4 rubinetti / valves  
Con autobloccanti / With self-locking nuts



990



997

NB:

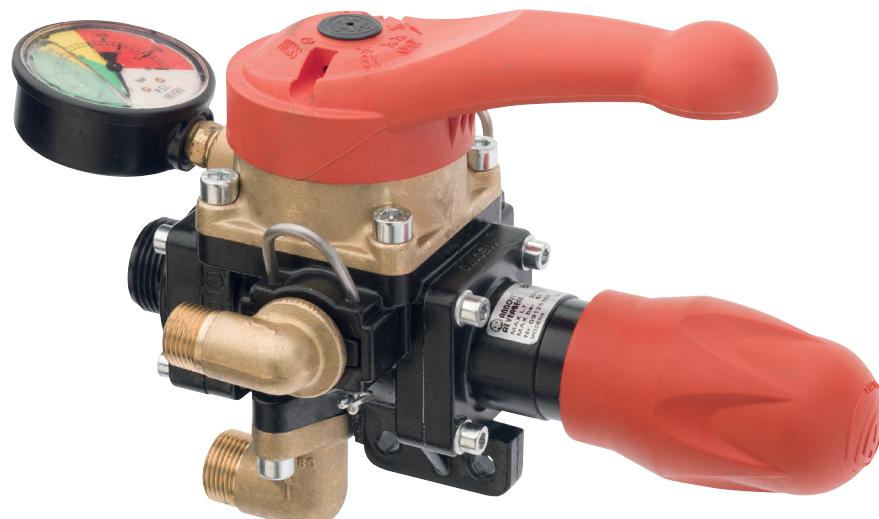
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



## BMH 50

**ALTA PRESSIONE**  
high pressure



Cod. 963

ALUMINIUM

**Tipo pompa**  
*Pump type*

**Gruppo comando**  
*Control unit*

**Kit per comando incorporato**  
*Kit for built-in control unit*

**Kit per comando separato**  
*Kit for remote control unit*

codice • code

**AR 903**

**963**

**AR 1053**  
**AR 1064**

2 rubinetti  
2 valves

**AR 1203**

**33055**

**AR 1604**

2 rubinetti  
2 valves

**BHA series**

Manometro inox  
Inox pressure gauge

**BHP series**

**BHS series**

**895**

**988**

Senza autobloccanti e senza staffa / Without self-locking nuts and without bracket

Non disponibile per  
Not available for  
AR 1064, AR 1604

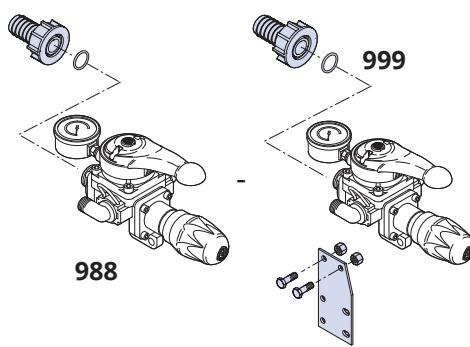
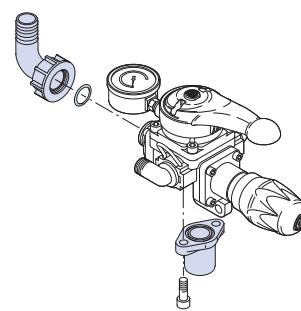
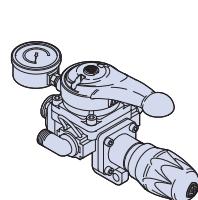
**999**

Senza autobloccanti con staffa / Without self-locking nuts and with brackets

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.



**963**

**33055**

**895**

**988**

**999**



## ALTA PRESSIONE

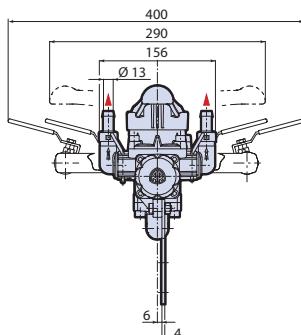
high pressure

Portata max	200	L/1'	Max. flow	52,8	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	3,1	kg	Weight	6,8	lb



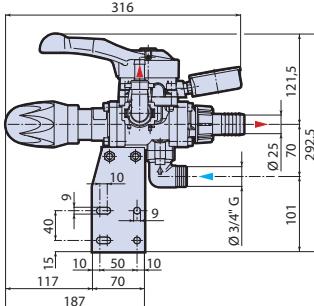
A richiesta con manometro isometrico a scala differenziale.  
With differential scale isometric pressure gauge on request.

CM 1158610  
sp\_bmh50.pdf  
MI 99985



A richiesta con manometro inox a scala 0÷60 bar.  
With 0÷60 bar scale inox pressure gauge on request.

DI 1158509



AR 903 - 1053 - 1203

AR 1064

AR 1604

BHA-BHP

BHS

**Gruppo comando in ottone con valvola di regolazione pressione lavoro,** leva unica per comando chiusura parziale o generale e scarico, manometro a bagno d'olio di glicerina con quadrante colorato.

**Brass control unit with working pressure regulating valve,** single lever for partial or total closure and discharge, and glycerine bath pressure gauge with coloured dial.

### Kit per comando separato

Kit for remote control unit

### Tipo pompa

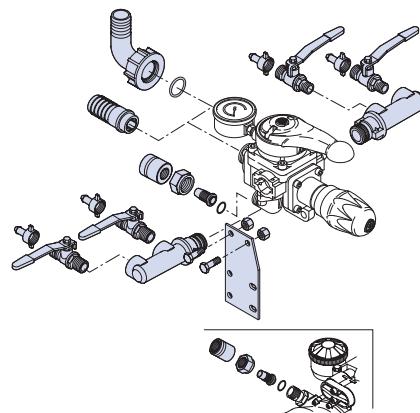
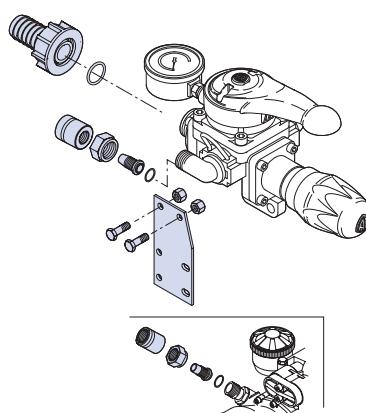
Pump type

codice • code

**990** (Ø19x34)  
Con autobloccanti / With self-locking nuts

**997** (Ø19x34)  
4 rubinetti / valves  
Con autobloccanti / With self-locking nuts

**AR 903**  
**AR 1053**  
**AR 1064**  
**AR 1203**  
**AR 1604**  
**BHA series**  
**BHP series**  
**BHS series**



NB:  
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.  
The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.

990

997



## BMS 50

ALTA PRESSIONE  
high pressure



Cod. 926

BRASS

**Tipo pompa**  
*Pump type*

**Gruppo comando**  
*Control unit*

**Kit per comando incorporato**  
*Kit for built-in control unit*

codice • code

**AR 903**  
**AR 1053**  
**AR 1064**  
**AR 1203**  
**AR 1604**  
**BHA series**  
**BHP series**  
**BHS series**

**926**  
2 rubinetti  
2 valves

**895**

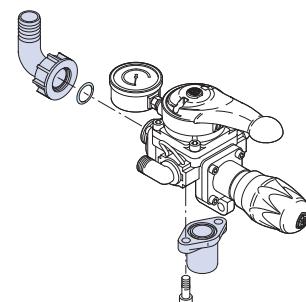
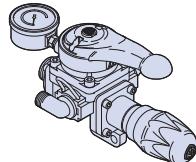
**33052**  
2 rubinetti  
2 valves  
Manometro inox  
Inox pressure gauge

Non disponibile per  
*Not available for*  
AR 1064, AR 1604

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

*The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.*



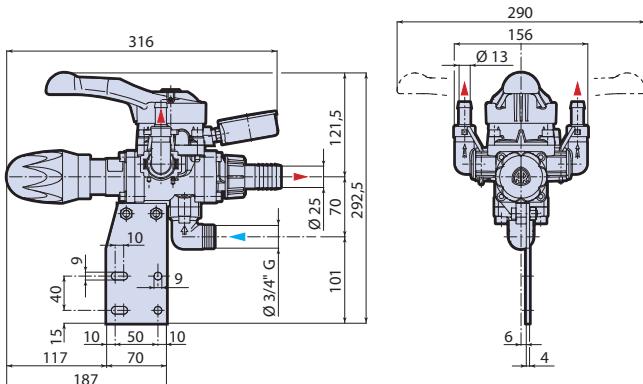
**926**

**33052**

**895**

Portata max	200	L/1'	Max. flow	52,8	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	5	kg	Weight	11	lb

DI115851



A richiesta con manometro isometrico a scala differenziale.  
*With differential scale isometric pressure gauge on request.*



A richiesta con manometro inox a scala 0÷60 bar.  
*With 0÷60 bar scale inox pressure gauge on request.*



AR 903 - 1053 - 1203

AR 1064

AR 1604

BHA-BHP

BHS

**Gruppo comando in ottone con valvola di regolazione pressione lavoro,** leva unica per comando chiusura parziale o generale e scarico, manometro a bagno d'olio di glicerina con quadrante colorato.

**Brass control unit with working pressure regulating valve,** single lever for partial or total closure and discharge, and glycerine bath pressure gauge with coloured dial.

**Kit per comando separato**  
*Kit for remote control unit*

**Tipo pompa**  
*Pump type*

codice • code

**988**

Senza autobloccanti / Without self-locking nuts

**42207**

Senza autobloccanti con staffa / Without self-locking nuts and with bracket

**AR 903**

**AR 1053**

**AR 1064**

**AR 1203**

**AR 1604**

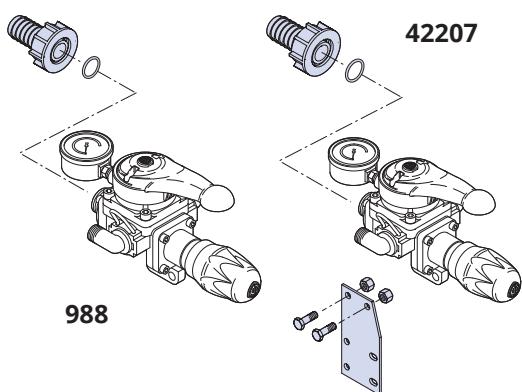
**BHA series**

**BHP series**

**BHS series**

**42208 (Ø19x34)**

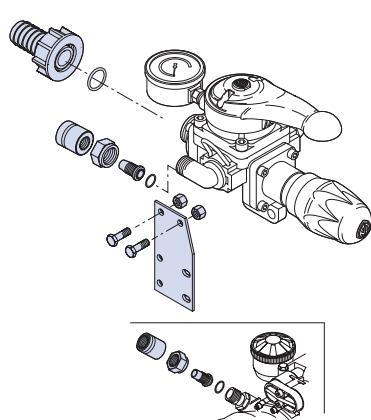
Con autobloccanti / With self-locking nuts



**988**

**42207**

**42207**



NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.

**988**

**42208**

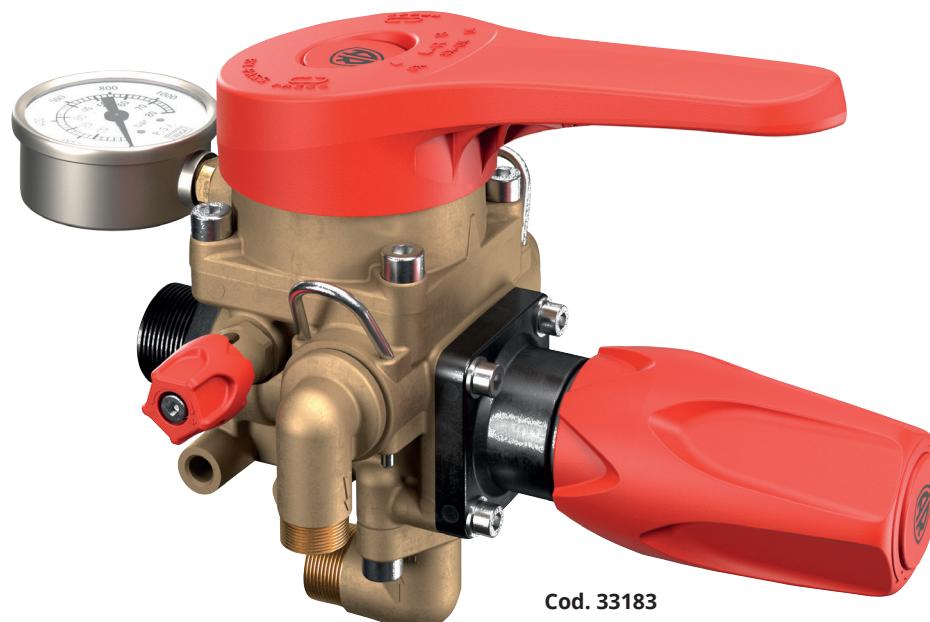


## BMC 50

ALTA PRESSIONE  
high pressure



NEW



Cod. 33183

BRASS

**Tipo pompa**  
*Pump type*

**Gruppo comando**  
*Control unit*

**Kit per comando incorporato**  
*Kit for built-in control unit*

codice · code

**AR 903**

**AR 1053**

**AR 1064**

**AR 1203**

**AR 1604**

**BHA series**

**BHP series**

**BHS series**

**46220**

**33183**

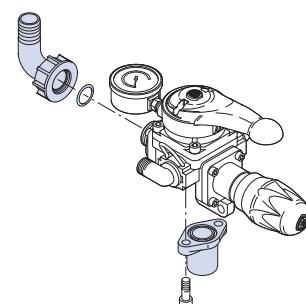
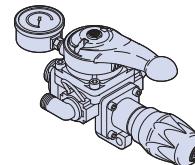
2 rubinetti  
2 valves

Non disponibile per  
*Not available for*  
AR 1064, AR 1604

NB:

I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.

*The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.*



**33183**

**46220**



## ALTA PRESSIONE

high pressure

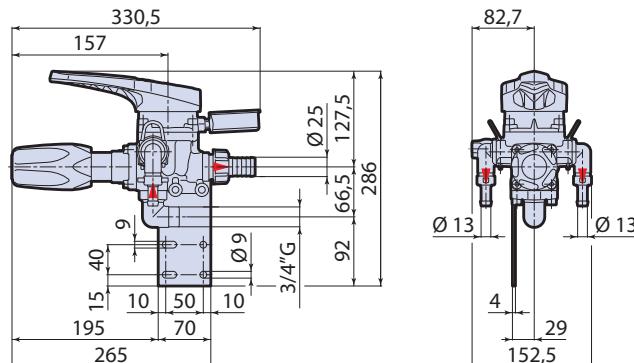
Portata max	200	L/1'	Max. flow	52,8	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	5	kg	Weight	11	lb



A richiesta con  
manometro isometrico  
a scala differenziale.  
*With differential scale  
isometric pressure gauge  
on request.*

CM 5048600  
sp\_bmc50.pdf  
MI 95095

DI 5048500



AR 903 - 1053 - 1203

AR 1064

AR 1604

BHA-BHP

BHS

**Gruppo comando in ottone con valvola di regolazione pressione lavoro,** leva unica per comando chiusura parziale o generale e scarico, manometro a bagno d'olio di glicerina con quadrante colorato.

**Brass control unit with working pressure regulating valve,** single lever for partial or total closure and discharge, and glycerine bath pressure gauge with coloured dial.

**Kit per comando separato**  
*Kit for remote control unit*

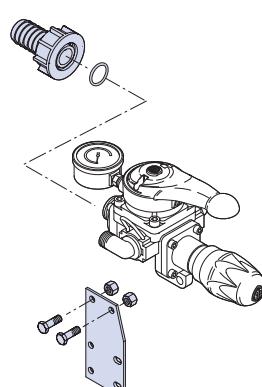
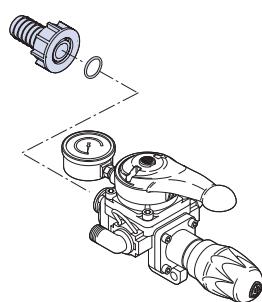
**Tipo pompa**  
*Pump type*

codice • code

**46218**  
Senza autobloccanti / Without self-locking nuts

**46219**  
Senza autobloccanti con staffa / Without self-locking nuts and with bracket

**AR 903**  
**AR 1053**  
**AR 1064**  
**AR 1203**  
**AR 1604**  
**BHA series**  
**BHP series**  
**BHS series**



NB:  
I disegni evidenziano in azzurro i particolari forniti nel kit corrispondente, le parti in bianco servono come riferimento di impiego.  
*The parts marked in blue on the drawings are supplied in the corresponding kit, while the parts in white serve as a reference for use.*

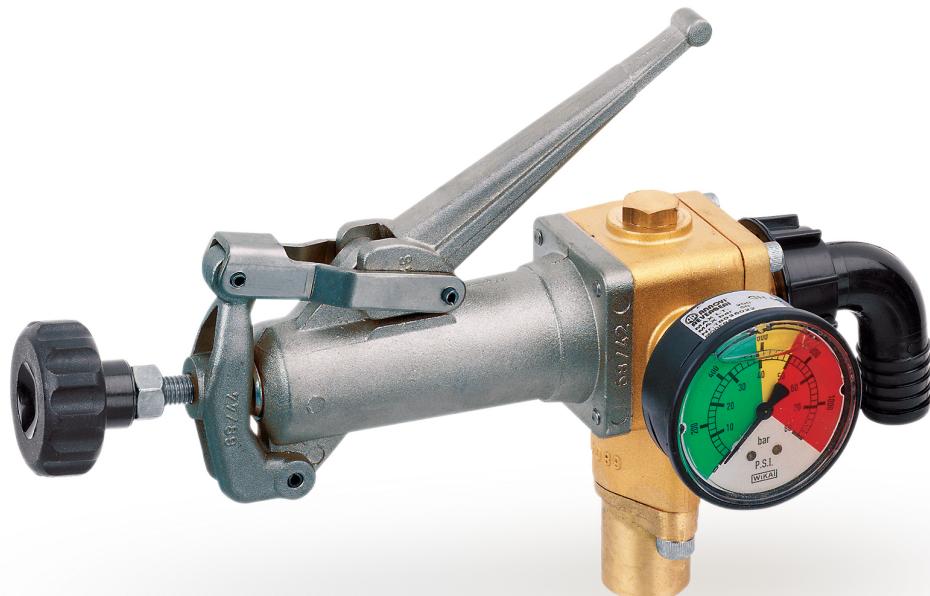
46218

42219



## GH 50

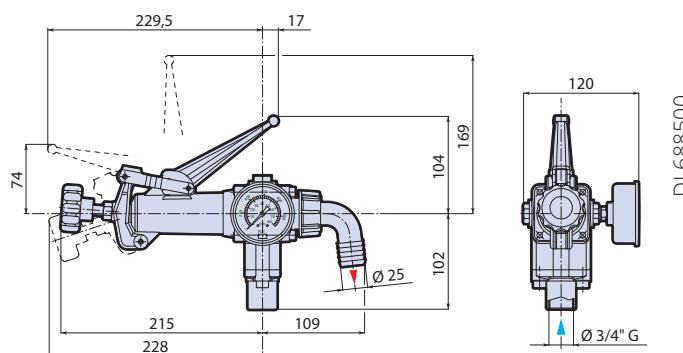
**ALTA PRESSIONE**  
high pressure



Portata max	200	L/1'	Max. flow	52,8	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	3,8	kg	Weight	8,4	lb

Modello / Model	<b>GH 50</b>
Cod.	<b>962</b>
N° uscite / No. of valves	(2)*

\* A richiesta / On request



DI 688500

CM 688600  
sp\_gh50\_vh50.pdf  
MI 90165



**BHA-BHP**

**BHS**

**Gruppo comando in ottone con valvola di regolazione pressione lavoro,** leva comando apertura/chiusura by-pass, manometro a bagno d'olio di glicerina con quadrante colorato, per BHA series, BHP series e BHS series.

**Brass control unit with working pressure regulating valve,** single lever for partial or total by-pass opening and closure, and glycerine bath pressure gauge with coloured dial, for BHA series, BHP series and BHS series.

## VH 50

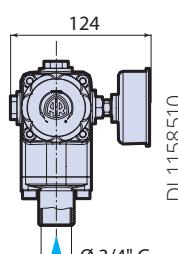
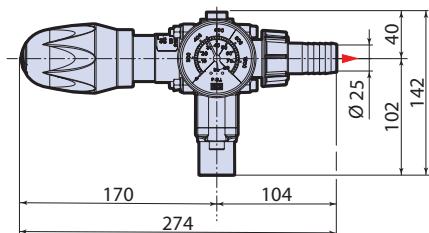
ALTA PRESSIONE  
high pressure



Portata max	200	L/1'	Max. flow	52,8	gpm
Pressione max	50	bar	Max. pressure	725	psi
Temperatura max	60	°C	Max. temperature	140	°F
Peso	2,5	kg	Weight	5,5	lb

Modello / Model	<b>VH 50</b>
Cod.	<b>958</b>
N° uscite / No. of valves	(2)*

\* A richiesta / On request



CM 1158611  
sp\_gh50\_vh50.pdf  
MI 90165



**Gruppo comando in ottone con valvola di regolazione pressione lavoro,** manometro a bagno d'olio di glicerina con quadrante colorato.

**Brass control unit with working pressure regulating valve,** and glycerine bath pressure gauge with coloured dial.

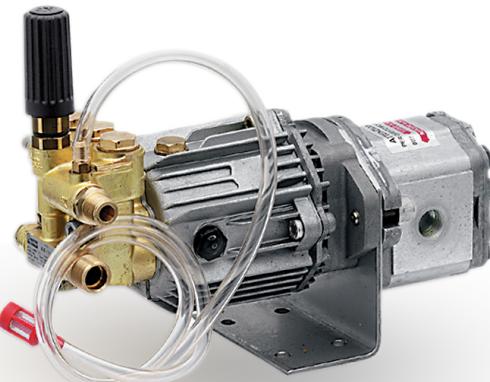
# HYDRAULIC DRIVE





## HYD-XJS

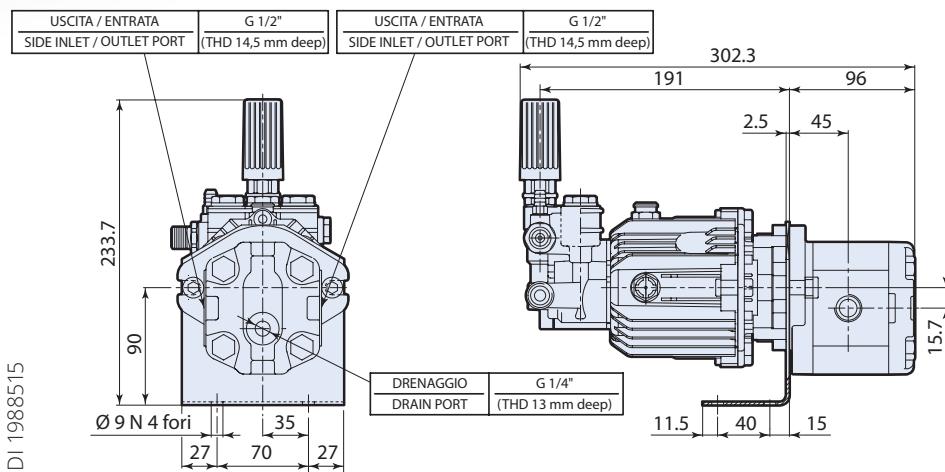
HYDRAULIC  
DRIVE



testa in  
ottone  
brass head



motore  
idraulico  
hydraulic  
drive



CM 1988648+1988600  
SP 30050\_HYD\_XJS.pdf  
MI 90008+99308

## HYD - XJS

MOD	COD	POMPA A PISTONI • HP PISTON PUMP					MOTORE IDRAULICO • HYDRAULIC MOTOR					KG NET		
		MAX	MAX	RPM	hp	Type	Cod	MAX	MAX	RPM	N° giri/1'			
<b>HYD-XJS</b>														
HYD XJS 11.14	21659	11	2,90	140	2030	2800	4	SNM2NN/8,0BN06 GAM1F4F4N	4768	8,4	123	24,5	2800	13

### Caratteristiche Generali

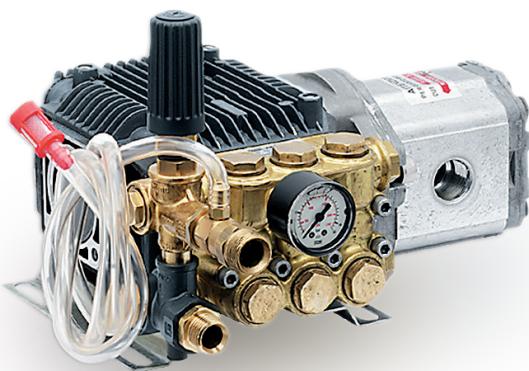
Kit pompa a pistoni per il lavaggio dell'irroratrice, a fine trattamento, prima della messa in strada. Mod. XJS 11.14 con valvola di regolazione incorporata nella testata con ritorno automatico della pompa a 0 bar alla chiusura, by-pass, con iniettore detergente, manometro Ø40mm, 16m tubo AP 5/16" DN8 200bar 100°C, pistola AR 334 con sicura, lancia con testina regolabile Reg Spray 5. Completo di motore idraulico modello Sauer Danfoss.

### General Features

**Piston pump kit for washing the sprayer, at the end of treatment, before use.** Model XJS 11.14 with regulation valve incorporated in the head with automatic return of pump to 0 bar upon closure, bypass with detergent injector, Ø40mm pressure gauge, 16m tube AP 5/16" DN8 200bar 100°C, AR 334 gun with safety catch, lance with Reg Spray 5 adjustable head. Complete with Sauer Danfoss model hydraulic motor.

# HYD-XM

HYDRAULIC  
DRIVE



testa in  
ottone  
brass head

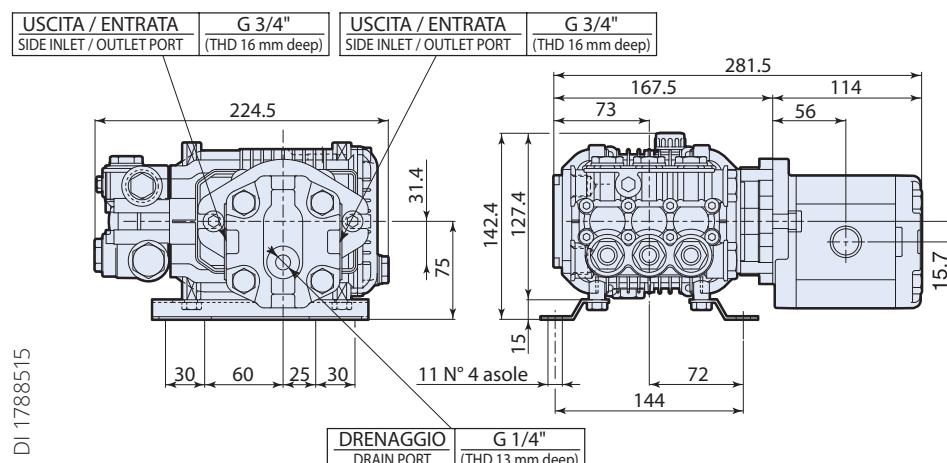


bielle in  
alluminio  
connecting-rods  
in aluminium



motore  
idraulico  
hydraulic  
drive

CM 2288606  
SP\_30060\_HYD\_XM.pdf  
MI 90008+91422



## HYD - XM

MOD	COD	POMPA A PISTONI • HP PISTON PUMP					MOTORE IDRAULICO • HYDRAULIC MOTOR					KG NET		
		MAX	MAX	RPM	hp	Type	Cod	MAX	MAX	RPM	N° giri/1'			
<b>HYD-XM</b>														
HYD-XM 15.15	<b>21660</b>	15	3,96	150	2200	1450	5,5	SNM2NN/019 BN06GAM1F5F5N	4769	19,2	105	29	1450	17

### Caratteristiche Generali

Kit pompa a pistoni per il lavaggio dell'irroratrice, a fine trattamento, prima della messa in strada. Mod. XM 15.15, valvola di regolazione Mini Matic 4/B con ritorno automatico della pompa a 0 bar alla chiusura, by-pass, con iniettore detergente regolabile, manometro Ø40mm, 16m tubo AP 5/16" DN8 200bar 100°C, pistola AR 334 con sicura, lancia con testina regolabile Reg Spray 5. Completo di motore idraulico modello Sauer Danfoss.

### General Features

Piston pump kit for washing the sprayer, at the end of treatment, before use. Model XM 15.15, Mini Matic 4/B regulation valve with automatic return of pump to 0 bar upon closure, by-pass with adjustable detergent injector, Ø40mm pressure gauge, 16m tube AP 5/16" DN8 200bar 100°C, AR 334 spray gun with safety catch, lance with Reg Spray 5 adjustable head. Complete with Sauer Danfoss model hydraulic motor.



## HYD-XR

### HYDRAULIC DRIVE



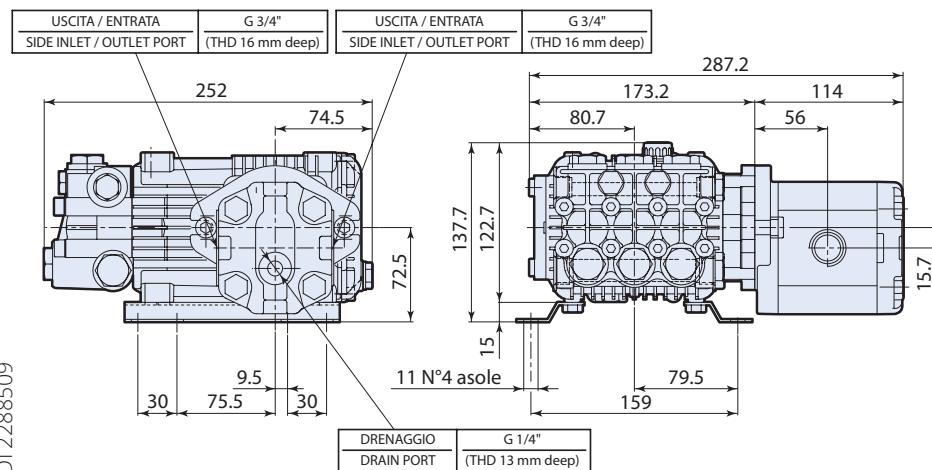
testa in ottone  
brass head



bielle in alluminio  
connecting-rods  
in aluminum



motore idraulico  
hydraulic  
drive



CM 2288606  
SP\_30060\_HYD\_RK.pdf  
MI 90008+91423

DI2288509

## HYD - RK

MOD	COD	POMPA A PISTONI • HP PISTON PUMP					MOTORE IDRAULICO • HYDRAULIC MOTOR					KG NET		
		MAX	MAX	RPM	hp	Type	Cod	MAX	MAX	RPM	N° giri/1'			
<b>HYD-RK</b>														
HYD-RK 15.20	21661	15	3,96	200	2900	1450	7,5	SNM2NN/019 BN06GAM1F5F5N	4769	19,2	140	29	1450	19

### Caratteristiche Generali

Kit pompa a pistoni per il lavaggio dell'irroratrice, a fine trattamento, prima della messa in strada. Mod. RK 15.20, valvola di regolazione Gymatic 3/B con ritorno automatico della pompa a 0 bar alla chiusura, by-pass, con iniettore detergente regolabile, manometro Ø50 mm, 16m tubo AP 5/16" DN8 200bar 100°C, pistola AR 351 con sicura, lancia con testina regolabile Reg Spray 5. Completo di motore idraulico mod. Sauer Danfoss.

### General Features

Piston pump kit for washing the sprayer, at the end of treatment, before use. Model RK 15.20, Gymatic 3/B regulation valve with automatic return of pump to 0 bar upon closure, by-pass with adjustable detergent injector, Ø50 mm pressure gauge, 16m tube AP 5/16" DN8 200bar 100°C, AR 351 spray gun with safety catch, lance with Reg Spray 5 adjustable head. Complete with Sauer Danfoss model hydraulic motor.

# HYD-XW

## HYDRAULIC DRIVE



municipality  
antincendio



testa in  
ottone  
brass head



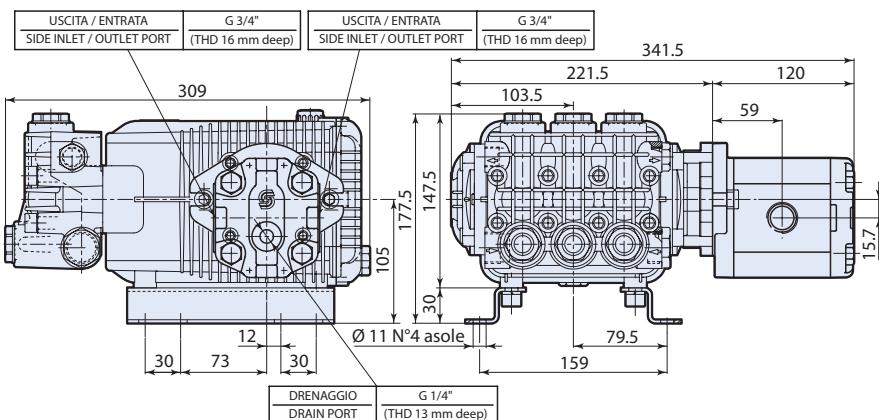
bielle in  
alluminio  
connecting-rods  
in aluminum



motore  
idraulico  
hydraulic  
drive

CM 2288606  
SP\_30080\_HYD\_XW.pdf  
MI 90008+92261

DI 1948518



## HYD - XW

MOD	COD	POMPA A PISTONI • HP PISTON PUMP					MOTORE IDRAULICO • HYDRAULIC MOTOR					KG NET		
		MAX	MAX	RPM	hp	Type	Cod	MAX	MAX	RPM	N° giri/1'			
<b>HYD-XW</b>														
HYD-XW 30.10	<b>21662</b>	30	7,92	100	1450	1450	7,5	SNM2NN/022 BN06GAM1F5F5N	4770	22,8	125	36	1450	26

### Caratteristiche Generali

Kit pompa a pistoni per il lavaggio dell'irroratrice, a fine trattamento, prima della messa in strada. Mod. XW 30.10, valvola di regolazione Gymatic 3/B con ritorno automatico della pompa a 0 bar alla chiusura, by-pass, con iniettore detergente regolabile, manometro Ø50 mm, 16m tubo AP 5/16" DN8 200bar 100°C, pistola AR 351 con sicura, lancia con testina regolabile Reg Spray 5. Completo di motore idraulico mod. Sauer Danfoss.

### General Features

Piston pump kit for washing the sprayer, at the end of treatment, before use. Model XW 30.10, Gymatic 3/B regulation valve with automatic return of pump to 0 bar upon closure, by-pass with adjustable detergent injector, Ø50 mm pressure gauge, 16m tube AP 5/16" DN8 200bar 100°C, AR 351 spray gun with safety catch, lance with Reg Spray 5 adjustable head. Complete with Sauer Danfoss model hydraulic motor.

# **ACCESSORI & APPLICAZIONI SPECIALI**

*Accessories and  
Special Applications*

# Accessori

accessories



## Protezione cardano - Universal shaft guard



**1491**  
Protezione cardano  
*Universal shaft guard*



**1473**  
Protezione cardano  
*Universal shaft guard*



**1492**  
Protezione cardano  
omocinetico  
*Universal joint guard  
for constant velocity  
shaft*



**1472 - 1493**  
Protezione cardano  
ovale omocinetico  
*Universal joint guard  
for constant velocity  
shaft*



**1497**  
Protezione cardano  
*Universal shaft guard*



**1474**  
Protezione cardano  
*Universal shaft guard*

Tipo pompa <i>Pump type</i>	Versione <i>Version</i>	Lato manda <i>Outlet side</i>	Lato manda <i>Outlet side</i>	Lato flangia ed albero standard <i>Flange and standard shaft side</i>
				Di serie <i>Standard</i>
Cod.	Cod.	Cod.	Cod.	Cod.
AR45bp, AR45 LFP	C	1491	-	-
<b>NEW</b> AR75bp, AR75 LFP	C, C/C SP/C	1473	-	1473
AR80bp, AR80 LFP	C, C/C SP/C	1491	-	1470
AR120bp, AR140bp AR120 LFP, AR140 LFP	C C/C	1491	-	1471
AR115/1000, AR70bp AR115bp, 135bp	C	1498	-	-
AR70bp, AR115bp AR135bp	SP	-	-	1492/1498
AR125bp, AR145bp AR160bp, AR185bp AR250bp, AR280bp AR320bp, AR330bp AR380bp, AR370bp AR500bp, AR560bp AR160LFP, AR185LFP	C/C	1492	1493	1492/1498
AR202, AR252	SP	-	-	1490
AR30, AR50, AR303 AR403, AR503	SP	-	-	1492/1498
AR30, AR50, AR403AP	C/SP	1498	-	1492/1498
AR503AP	C/SP	1497	-	1492/1498
AR713, AR813, AR1064	C/SP, C/C C/F	1492	1493	1492/1498
AR1604	C/SP, C/C C/F	1492	1472	1492/1498
AR903, AR1053 AR1203	C/SP, C/C C/F	1492	1493	1492/1498
<b>NEW</b> BHS95	C/SP, C/C C/F	1474	-	1492/1498
BHS90, BHS105 BHS120	C/SP, C/C C/F	1492	1493	1492/1498
BHA series, BHP series BHS130, BHS150 BHS170, BHS200	C/C C/F	1492	1493	1492/1498

## Cuffia protezione chiusa - Guard closed



Tipo pompa <i>Pump type</i>	Cod.
AR 125 bp - AR 145 bp	1480
AR 713 - AR 813 - AR 1064	1481
BHA/BHS/BHP 130, 150, 170, 200 - AR410, 460bp - AR903, AR1053, AR1203, AR330bp, AR380bp	1482
AR 160, 185, 215, 250, 280, 320, 370, 500, 560 bp	1484

Le applicazioni sono da utilizzare solamente con le opportune protezioni a tutela dell'operatore.  
The applications should be used only with the proper protective equipment for the safety of the operator.



# Accessori

accessories

## Pump Saver® - Salva membrana

MI 99399  
sp\_pump\_saver\_kit\_signal\_box.pdf



**NEW**

Tipo pompa <i>Pump type</i>	Cod.
AR 160 LFP, AR 185 LFP, AR 125 bp, AR 145 bp, AR 160 bp, AR 185 bp, AR 215 bp, AR 250 bp, AR 280 bp, AR 320 bp, AR 370 bp, AR 500 bp, AR 560 bp Twin, AR 1064, AR 1604, BHA 130, BHA 150, BHA 170 BHA 200, AR 903, AR 1053, AR 1203, BHS 90, BHS 105, BHS 120, BHS 130, BHS 150, BHS 170, BHS 200	2400 CM 768641
AR 713, AR 1813	2401 CM 768642
AR 115 bp, AR 135 bp, AR 303, AR 403, AR 503	2414 CM 768643
Per serbatoio alta capacità - <i>Tank large capacity</i>	46216

## Kit serbatoio a distanza - Remote tank kit

sp\_kit\_serbatoio\_OLIO\_DISTANZA.pdf



Tipo pompa <i>Pump type</i>	Cod.
AR 713 - AR 813 - AR 245 bp - AR 275 bp AR 245 LFP - AR 275 LFP	42719 CM 1808617
AR 160 LFP, AR 185 LFP, AR 125 bp, AR 145 bp - AR 160 bp - AR 185 bp AR 215 bp - AR 250 bp - AR 280 bp AR 903 - AR 1053 - AR 1203 - AR 1064 BHS 90 - BHS 105 - BHS 120	42720 CM 758613
BHA 130 - BHA 150 - BHA 170 - BHA 200 BHP 130 - BHP 150 - BHP 170 - BHP 200 BHS 130 - BHS 150 - BHS 170 - BHS 200	42721 CM 2248620
AR 70 bp - AR 115 bp - AR 135 bp AR 303 - AR 403 - AR 503 AR 30 - AR 50	42722 CM 1888621
AR 45 LFP - AR 80 LFP - AR 120 LFP AR 140 LFP AR 45 bp - AR 80 bp - AR 120 bp AR 140 bp	42723 CM 13128607
AR 330 bp - AR 380 bp - AR 410 bp AR 460 bp	42786 CM 13128607

Le applicazioni sono da utilizzare solamente con le opportune protezioni a tutela dell'operatore.  
The applications should be used only with the proper protective equipment for the safety of the operator.



## Kit camera aria a distanza - *Remote air chamber kit*

sp\_camera\_aria\_distanza.pdf  
CM 3048606

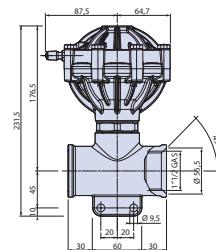
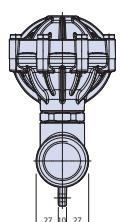


Tipo pompa  
*Pump type*

Cod.

Gamma BP e LFP / BP and LFP range

42868



D13048507

## VSR - Valvola di sovrappressione con riarmo *Overpressure valve*



Tipo pompa  
*Pump type*

Cod.

20 bar

1432

40 bar

1433

50 bar

1434



Tipo pompa  
*Pump type*

Cod.

AR DUE - AR 202 - AR 252 (20 bar)

1439

AR 303 - AR 403 (40 bar)

1441

## Flangia e giunto per abbinamento pompe AR bassa pressione - *Coupling flange and joint for AR low pressure pumps*



Tipo pompa 1  
*Pump type*

Cod.

Tipo pompa 2  
*Pump type*

AR 160 /185 / 215 / 250 / 280 bp

42620

AR 70 / 115 / 135 bp

AR 160 /185 / 215 / 250 / 280 bp

42621

AR 45 / 80 / 120 / 140 bp

AR 160 /185 bp

42768

AR 160 / 185 bp

AR 160 /185 bp

42769

AR 215 / 250 / 280 bp

AR 215 / 250 / 280 bp

42619

AR 215 / 250 / 280 bp

AR 330 / 380 bp

42774

AR 330 / 380 bp

AR 410 / 460 bp

42775

AR 410 / 460 bp



# Applicazioni speciali

*special applications*



AR 560 bp Twin  
con IDM

Appl. "IDM" per motori idraulici - *Fittings for hydraulic motors "IDM"*

Marca <i>Make</i>	Tipo <i>Type</i>	Tipo pompa <i>Pump type</i>	Codice <i>Code</i>	Dimensioni <i>Dimensions</i>
		AR 70 bp SP AR 115 bp SP AR 135 bp SP	5350	
	Serie RBO RBP RBR Ø25mm	AR202 SP AR252 SP AR252 AP SP	55353	
CASAPPA		AR160 LFP C/C AR185 LFP C/C AR 125 bp C/C AR 145 bp C/C AR 160 bp C/C AR 185 bp C/C AR 215 bp C/C AR 250 bp C/C AR 280 bp C/C AR 320 bp C/C	5349	
	Serie RBS Z=14	AR 30 SP AR 50 SP AR 303 SP AR 403 SP AR 503 SP AR 713 C/SP AR 813 C/SP AR 903 C/SP	5312	
CHAR-LYNN EATON	Serie 2000 albero Ø25,4mm (Ø1") Tipo 2 80,2 100,2 160	AR1053 C/SP AR1203 C/SP AR1064 C/SP AR1604 C/SP BHS90 C/SP BHS105 C/SP BHS120 C/SP		

# Applicazioni speciali

*special applications*



Appl. "IDM" per motori idraulici - *Fittings for hydraulic motors "IDM"*

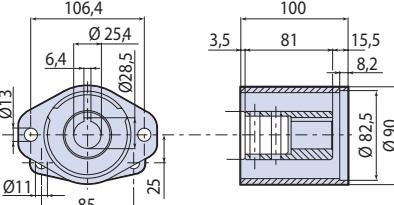
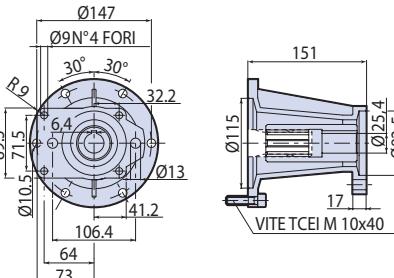
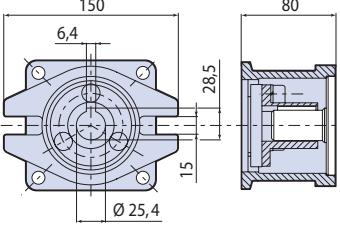
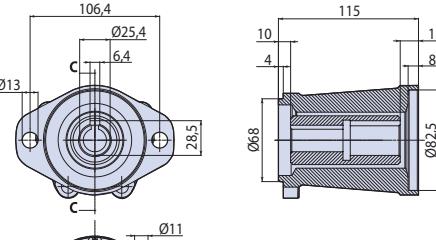
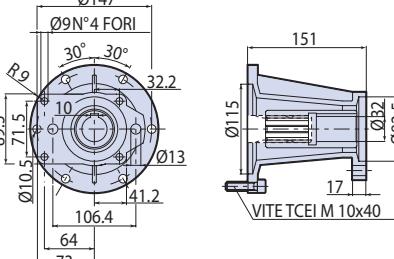
Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
		AR 45 LFP SP AR 80 LFP SP AR 45 bp SP AR 80 bp SP	55372	
		AR120 LFP SP AR140 LFP SP AR 120 bp SP AR 140 bp SP	55373	
		AR 70 bp SP AR 115 bp SP AR 135 bp SP	5350	
SAUER DANFOSS	OMP 25 - 32 - 40 - 50 albero Ø25mm 80 - 100 - 160 OMR 80 OMR 100	AR160 LFP C/C AR185 LFP C/C AR 125 bp C/C AR 145 bp C/C AR 160 bp C/C AR 185 bp C/C AR 215 bp C/C AR 250 bp C/C AR 280 bp C/C AR 320 bp C/C	1568	
		AR202 SP AR252 SP AR252 AP SP	55353	
		AR 30 SP      AR1053 C/SP AR 50 SP      AR1203 C/SP AR 303 SP      AR1064 C/SP AR 403 SP      AR1604 C/SP AR 503 SP      BHS90 C/SP      5327 AR 713 C/SP      BHS105 C/SP AR 813 C/SP      BHS120 C/SP AR 903 C/SP		
		AR245 LFP C/C AR275 LFP C/C AR330 LFP C/C AR380 LFP C/C AR410 LFP C/C AR460 LFP C/C AR 245 bp C/C AR 275 bp C/C AR 330 bp C/C AR 380 bp C/C AR 410 bp C/C AR 460 bp C/C	55378	



# Applicazioni speciali

*special applications*

Appl. "IDM" per motori idraulici - *Fittings for hydraulic motors "IDM"*

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
		AR 70 bp SP AR 115 bp SP AR 135 bp SP	5341	
		AR160 LFP C/C AR185 LFP C/C AR 125 bp C/C AR 145 bp C/C AR 160 bp C/C AR 185 bp C/C AR 215 bp C/C AR 250 bp C/C AR 280 bp C/C AR 320 bp C/C	1570	
OMP 50 albero Ø25,4mm (Ø1") 80 - 100 - 160	AR 30 SP AR 50 SP AR303 SP AR403 SP AR503 SP OMR 80 OMR 100	AR1053 C/SP AR1203 C/SP AR1064 C/SP AR1604 C/SP BHS90 C/SP BHS105 C/SP BHS120 C/SP AR903 C/SP	5312	
SAUER DANFOSS		AR 45 LFP SP AR 80 LFP SP AR 45 bp SP AR 80 bp SP	55375	
		AR120 LFP SP AR140 LFP SP AR 120 bp SP AR 140 bp SP	55376	
OMS albero Ø32mm	AR160 LFP C/C AR185 LFP C/C AR 125 bp C/C AR 145 bp C/C AR 160 bp C/C AR 185 bp C/C AR 215 bp C/C AR 250 bp C/C AR 280 bp C/C AR 320 bp C/C	1569		

# Applicazioni speciali

*special applications*



Appl. "IDM" per motori idraulici - *Fittings for hydraulic motors "IDM"*

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
SAUER DANFOSS	OMS albero Ø32mm	AR245 LFP C/C AR275 LFP C/C AR330 LFP C/C AR380 LFP C/C AR410 LFP C/C AR460 LFP C/C AR 245 bp C/C AR 275 bp C/C AR 330 bp C/C AR 380 bp C/C AR 410 bp C/C AR 460 bp C/C	55371	
SAUER DANFOSS	OMS albero Z=14	AR160 LFP C/C AR185 LFP C/C AR 125 bp C/C AR 145 bp C/C AR 160 bp C/C AR 185 bp C/C AR 215 bp C/C AR 250 bp C/C AR 280 bp C/C AR 320 bp C/C	5349	
WHITE HIDRAULICS	Serie DR - MB - RS Ø25mm	AR 70 bp SP AR 115 bp SP AR 135 bp SP	5350	
WHITE HIDRAULICS	Serie DR - MB - RE Z=14	AR160 LFP C/C AR185 LFP C/C AR 125 bp C/C AR 145 bp C/C AR 160 bp C/C AR 185 bp C/C AR 215 bp C/C AR 250 bp C/C AR 280 bp C/C AR 320 bp C/C	5349	
	Serie RS Ø25mm	AR 202 SP AR 252 SP AR 252 AP SP	55353	



# Applicazioni speciali

*special applications*

Appl. "IDP" per pompe idrauliche - Fittings for hydraulic pumps "IDP"

# Applicazioni speciali

*special applications*



Appl. "FD" per moltiplicatori su atomizzatori portati e trainati  
Fittings for overgears on mounted and trained air-blast sprayers "FD"motors

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
M 30 CS			5347	
CAR 3 P Foratura interna 70x82			5344	
BIMA	CAR 3 P Foratura esterna 160x75		5345	
M 30 N M 47 N M 60 N	AR 125 bp C/F AR 145 bp C/F AR 813 AP C/F AR 903 AP C/F AR 1053 AP C/F AR 1203 AP C/F AR 1064 AP C/F AR 1604 AP C/F BHA Series C/F BHP Series C/F BHS Series C/F		5336	
MSC			5354	
CMV	MA 50 Foratura interna 70x82		5344	
	MA 50 Foratura esterna 160x75		5345	



# Applicazioni speciali

*special applications*

Appl. "FD" per moltiplicatori su atomizzatori portati e trainati  
Fittings for overgears on mounted and trained air-blast sprayers "FD"motors

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
CMV	MA 86 MA 86 S MA107 MA107S MA110 MA110S MA 110 3V		5336	
	D 4 D 7 D21 D27		5336	
COMER			55364	
A 4 A	AR 125 bp C/F AR 145 bp C/F AR 813 AP C/F AR 903 AP C/F AR 1053 AP C/F AR 1203 AP C/F AR 1064 AP C/F AR 1604 AP C/F BHA Series C/F BHP Series C/F BHS Series C/F		5346	
Moltiplicatore V1			55354	
FIENI				
CM 9 PG				

# Applicazioni speciali

*special applications*



Appl. "FD" per moltiplicatori su atomizzatori portati e trainati  
Fittings for overgears on mounted and trained air-blast sprayers "FD"motors

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
	AT 46 AT 53 AT 55 AT 65 AT 70		5336	
GB	AT 39		5345	
	AP 102	AR 125 bp C/F AR 145 bp C/F AR 813 AP C/F AR 903 AP C/F AR 1053 AP C/F AR 1203 AP C/F AR 1064 AP C/F AR 1604 AP C/F BHA Series C/F BHP Series C/F BHS Series C/F	55364	
OMAS	Moltiplicatore		55359	
REDUCO	R 810 R 830 R 840		5336	



# Applicazioni speciali

*special applications*

## Appl. "FDG" per moltiplicatori su atomizzatori portati e trainati *Fittings for overgears on mounted and trained air-blast sprayers "FDG"motors*

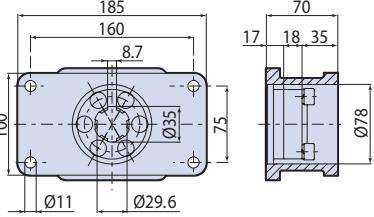
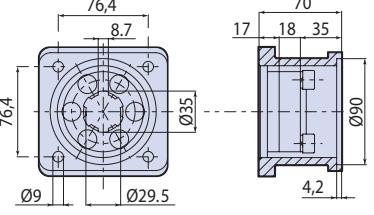
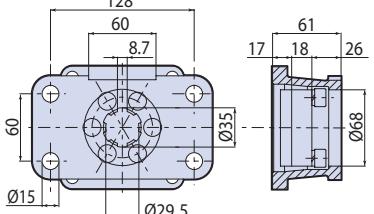
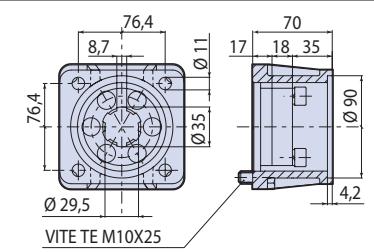
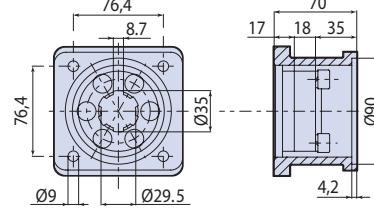
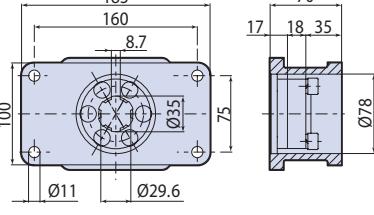
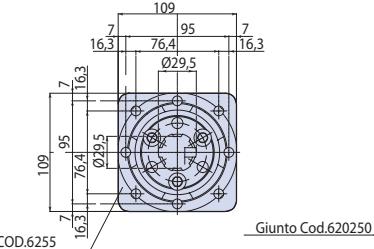
Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
	M 30 CS		5285	
	CAR 3 P Foratura interna 70x82		5328	
BIMA	CAR 3 P Foratura esterna 160x75		5330	
	M 30 N M 47 N M 60 N	AR 50 AP C/SP AR 403 AP C/SP AR 503 AP C/SP AR 713 AP C/SP AR 813 AP C/SP AR 903 AP C/SP AR 1053 AP C/SP AR 1203 AP C/SP AR 1064 AP C/SP AR 1604 AP C/SP BHS 90 AP C/SP BHS 105 AP C/SP BHS 120 AP C/SP	5348	
	MSC		5355	
	D 4 D 7 D21 D27		5348	
COMER	A 4 A		55365	
CMV	MA 50 Foratura interna 70x82		5328	

# Applicazioni speciali

*special applications*



Appl. "FDG" per moltiplicatori su atomizzatori portati e trainati  
Fittings for overgears on mounted and trained air-blast sprayers "FDG"motors

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
MA 50 Foratura esterna 160x75	CMV		5330	
MA 86 MA 86 S MA107 MA107S MA110 MA110S MA 110 3V	Moltiplicatore V1		5348	
FIENI	CM 9 PG	AR 50 AP C/SP AR 403 AP C/SP AR 503 AP C/SP AR 713 AP C/SP AR 813 AP C/SP AR 903 AP C/SP AR 1053 AP C/SP AR 1203 AP C/SP AR 1064 AP C/SP AR 1604 AP C/SP BHS 90 AP C/SP BHS 105 AP C/SP BHS 120 AP C/SP	5290	
AT 46 AT 53 AT 55 AT 65 AT 70	AT 39		55355	
GB	AP 102		5348	
			5330	
			55365	



# Applicazioni speciali

*special applications*

Appl. "FDG" per moltiplicatori su atomizzatori portati e trainati  
Fittings for overgears on mounted and trained air-blast sprayers "FDG"motors

Marca Make	Tipo Type	Tipo pompa Pump type	Codice Code	Dimensioni Dimensions
REDUCO	R 810	AR 50 AP C/SP	5348	
	R 830	AR 403 AP C/SP		
	R 840	AR 503 AP C/SP		
		AR 713 AP C/SP		
		AR 813 AP C/SP		
		AR 903 AP C/SP		
		AR 1053 AP C/SP		
		AR 1203 AP C/SP		
		AR 1064 AP C/SP		
		AR 1604 AP C/SP		
		BHS 90 AP C/SP		
		BHS 105 AP C/SP		
		BHS 120 AP C/SP		

Dati, descrizioni ed illustrazioni sono forniti a titolo indicativo e non impegnativo.  
*Characteristics and descriptions are not binding.*

# **POWER GARDEN**

*Wheelbarrow sprayers*

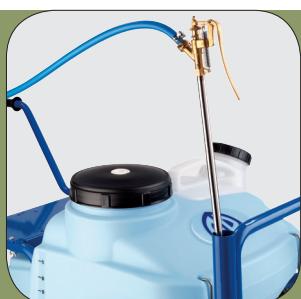


# Power Garden

wheelbarrow sprayers



Avvolgitubo PL con  
blocco manuale  
antisrotolamento  
Hose reel PL with  
manual stop to prevent  
hose unwinding



Supporto portalancia  
Lance holding bracket



Porta accessori  
(per modelli senza  
avvolgitubo)  
Accessories holder  
(for model without  
hose reel)



Tanica lavamani  
integrata 5 litri  
Integrated 5  
litre handwash  
tank



## Carrelli e carriole con cisterne per gruppo motopompa e elettropompa

Wheeled chassis and wheel barrow with tank for motor and electric driven pumps



CAR 75 / A



CAR / A



CAR 130 / A



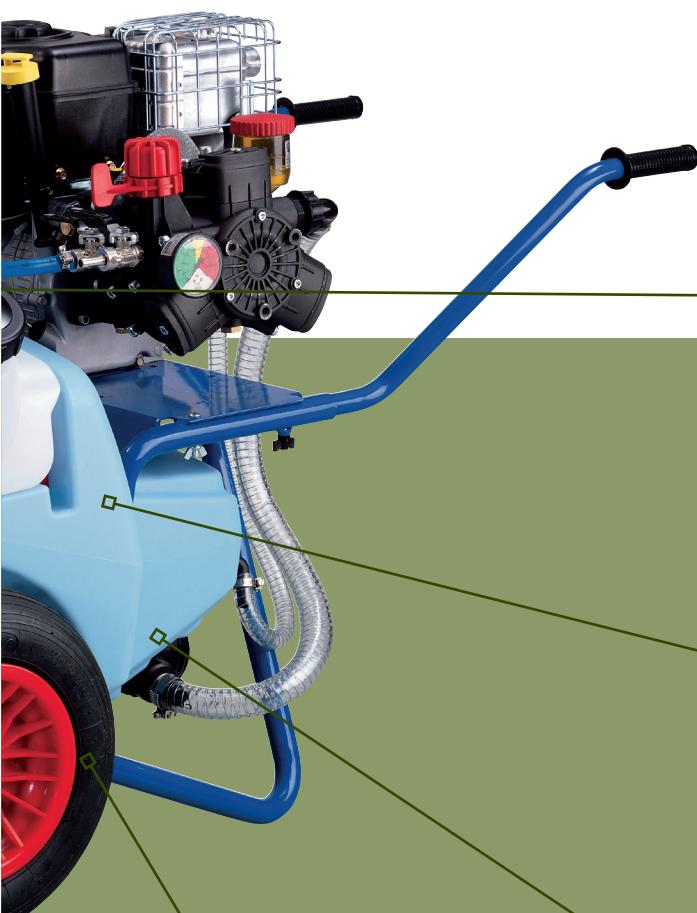
CAR 50 / A



CAR 90



# PLUS



Indicatore livello esterno  
con banda graduata  
External level indicator  
with graduated scale



Cisterna a svuotamento  
totale  
Total drainage tank



Filtro serbatoio  
Tank filter



Ruote pneumatiche  
gonfiabili  
Inflatable rubber wheels



**Gruppi Elettropompa**  
*Electric motor pump assemblies*



AR DUE EM / ET



AR 202 EM / ET



AR 252 EM / ET



AR 303 EM / ET



AR 50 EM / ET

**Gruppi Motopompa**  
*Motor-driven pump assemblies*



AR DUE S



AR 202 S



AR 252 S



AR 303 S



AR 30 S



**Serie PFL**  
PFL series



AR 13.8 PFL

**Serie DFL**  
DFL series



AR 26.5 DFL

### Caratteristiche Generali

**Pompe a membrana e pistoni a 12V** indicate per qualsiasi trattamento con prodotti chimici, per irrorazione nel giardinaggio e travaso di liquidi. Sono l'ideale per piccoli irroratori, trattorini, senza la necessità di presa di forza o motore. Possono essere utilizzate per la concimazione liquida su superfici ridotte e per l'abbattimento delle polveri. I materiali a contatto con il liquido pompato sono ad alta resistenza all'aggressione dei prodotti chimici: Testa in polipropilene. Valvole in Viton. Membrane in Santoprene. Pressostato che permette avviamento/arresto automatico del motore all'apertura e chiusura della lancia Total Stop System. Autoadesanti sino ad una profondità di 3 mt. Funzionamento a secco anche per 24H/24H. Temperatura max del liquido pompato 60°C. Certificazione CE e RoHs.

### General Features

**Premium quality, commercial grade, extra durable 12 Volt DC, on-demand diaphragm and plungers pumps** suitable for spraying aggressive AG chemicals for spot applications or broadcast spraying. Can also be used for chemical transfer, liquid fertiliser application and dust suppression. Ideal for smaller sprayers and mini tractors. The pump runs off the battery of the quad or mini tractor, so no P.T.O. or petrol engine is required. The wetted parts of the pump are resistant to aggressive spray chemicals:

Heads are made of industrial grade polypropylene composite. Halves are Viton.

Diaphragms are Santoprene.

Honeywell MICRO SWITCH for superior efficiency and in line fuse for added protection. Press spray lance trigger, pump works. Release trigger, pump stops.

*Self priming from a height of 3 metres with specific models.*

*Can work continual duty for 24 hour per day, also if pump runs dry.*

*Maximum temperature of spray liquid 60°C.*

*CE e RoHs certification compliant.*



## Serie DFL



**AR 3.8 DFL**  
COD. 51841



**AR 5.3 DFL**  
COD. 51842



**AR 8.3 DFL**  
COD. 51843



**AR 11.4 DFL**  
COD. 51844



**AR 15.1 DFL**  
COD. 51845

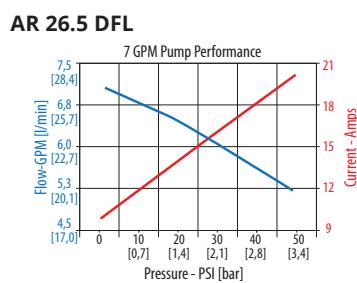
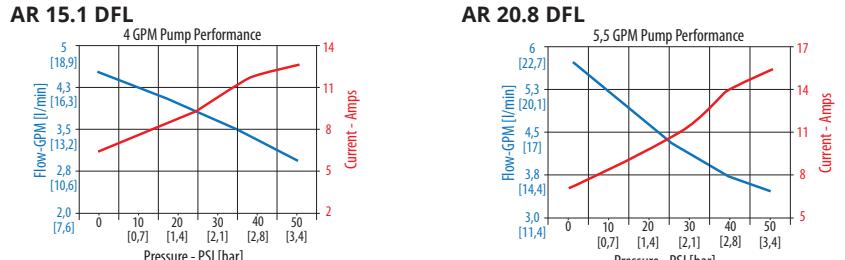
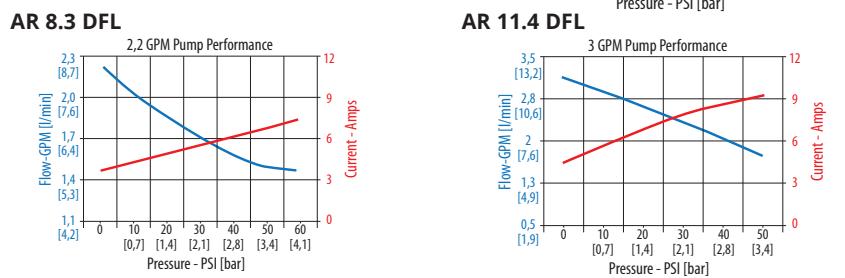
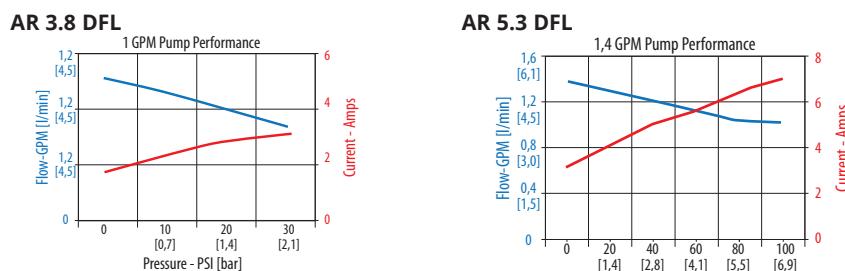


**AR 20.8 DFL**  
COD. 51846



**AR 26.5 DFL**  
COD. 51847

MOD	COD.				MAX	
					l/min	gpm
AR 3.8 DFL	51841	3,8	1	2,7	40	0,91
AR 5.3 DFL	51842	5,3	1,4	6,9	100	2,2
AR 8.3 DFL	51843	8,3	2,2	4,8	70	2,2
AR 11.4 DFL	51844	11,4	3	4,1	60	2,5
AR 15.1 DFL	51845	15,1	4	4,1	60	2,2
AR 20.8 DFL	51846	20,8	5,5	4,1	60	2,5
AR 26.5 DFL	51847	26,5	7	4,1	60	4,3



**Le pompe sono fornite** complete di raccordi di aspirazione e mandata. Tutte le pompe (eccetto mod. AR 8.3 DFL) sono fornite con filetto femmina: AR 5.3 DFL e AR 8.3 DFL (3/8") e AR 11.4 DFL, 15.1 DFL, 20.8 DFL, 26.5 DFL (1/2"). La pompa AR 3.8 DFL è fornita con raccordi attacco rapido.

**Pumps are supplied** complete with intake and delivery fittings. All pumps (except for mod. AR 8.3 DFL) are supplied with female thread: AR 5.3 DFL and AR 8.3 DFL (3/8") and AR 11.4 DFL, 15.1 DFL, 20.8 DFL, 26.5 DFL (1/2"). The AR 3.8 DFL pump is supplied with quick coupling fittings.



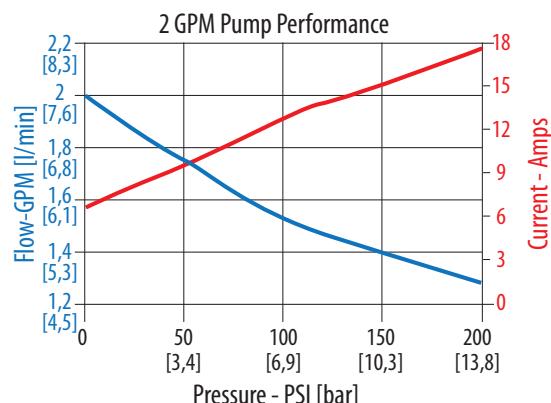
Serie PFL



**AR 13.8 PFL**  
COD. 51848

MOD	COD.	MAX	MAX	KG		
		l/min	gpm	bar	psi	kg
AR 13.8 PFL	<b>51848</b>	7,6	2	13,8	200	5,9

**AR 13.8 PFL**



La pompa AR 13.8 PFL viene fornita completa di valvola di regolazione e manometro montati.  
The AR 13.8 PFL pump is supplied complete with preinstalled regulating valve and pressure gauge.

Le pompe sono fornite complete di raccordi di aspirazione e mandata. Tutte le pompe (eccetto mod. AR 8.3 DFL) sono fornite con filetto femmina:  
AR 5.3 DFL e AR 8.3 DFL (3/8") e AR 11.4 DFL, 15.1 DFL, 20.8 DFL, 26.5 DFL (1/2").

La pompa AR 13.8 PFL viene fornita completa di valvola di regolazione e manometro montati. La pompa AR 3.8 DFL è fornita con raccordi attacco rapido.

Pumps are supplied complete with intake and delivery fittings. All pumps (except for mod. AR 8.3 DFL) are supplied with female thread: AR 5.3 DFL and AR 8.3 DFL (3/8") and AR 11.4 DFL, 15.1 DFL, 20.8 DFL, 26.5 DFL (1/2"). The AR 13.8 PFL pump is supplied complete with preinstalled regulating valve and pressure gauge.

The AR 3.8 DFL pump is supplied with quick coupling fittings.



**Accessori / Accessories**



Cod.  
**51851**

VR-DFL Valvola di regolazione:

- Controllo preciso della pressione da 0 a 6,9 bar (da 0÷100 psi).
- Raccordo bypass da utilizzare per il ritorno in cisterna per agitazione.

*VR-DFL Regulation valve:*

- Precise pressure control from 0 up to 6,9 bar (0÷100 psi).
- Bypass fitting for use for return to tank for stirring purposes.



Manometro:  
con bagno di glicerina e attacco posteriore 1/8" M fino a 7 bar.

*Pressure gauge:*  
glycerine pressure gauge with back connection 1/8" M up to 7 bar.

Cod.  
**4960010**

Filtro aspirazione.  
*Suction filter.*

Cod.  
**4960020**



Cavo di alimentazione  
12 V.

*Power cord 12 V.*  
3.8 - 5.3 - 8.3 DFL

Cod.  
**4960030**



Cavo di alimentazione  
12 V.

*Power cord 12 V.*  
11.4 - 15.1 - 20.8 DFL

Cod.  
**4960040**



Cavo di alimentazione  
12 V.

*Power cord 12 V.*  
26.5 DFL - 13.8 PLF

Cod.  
**4960050**

