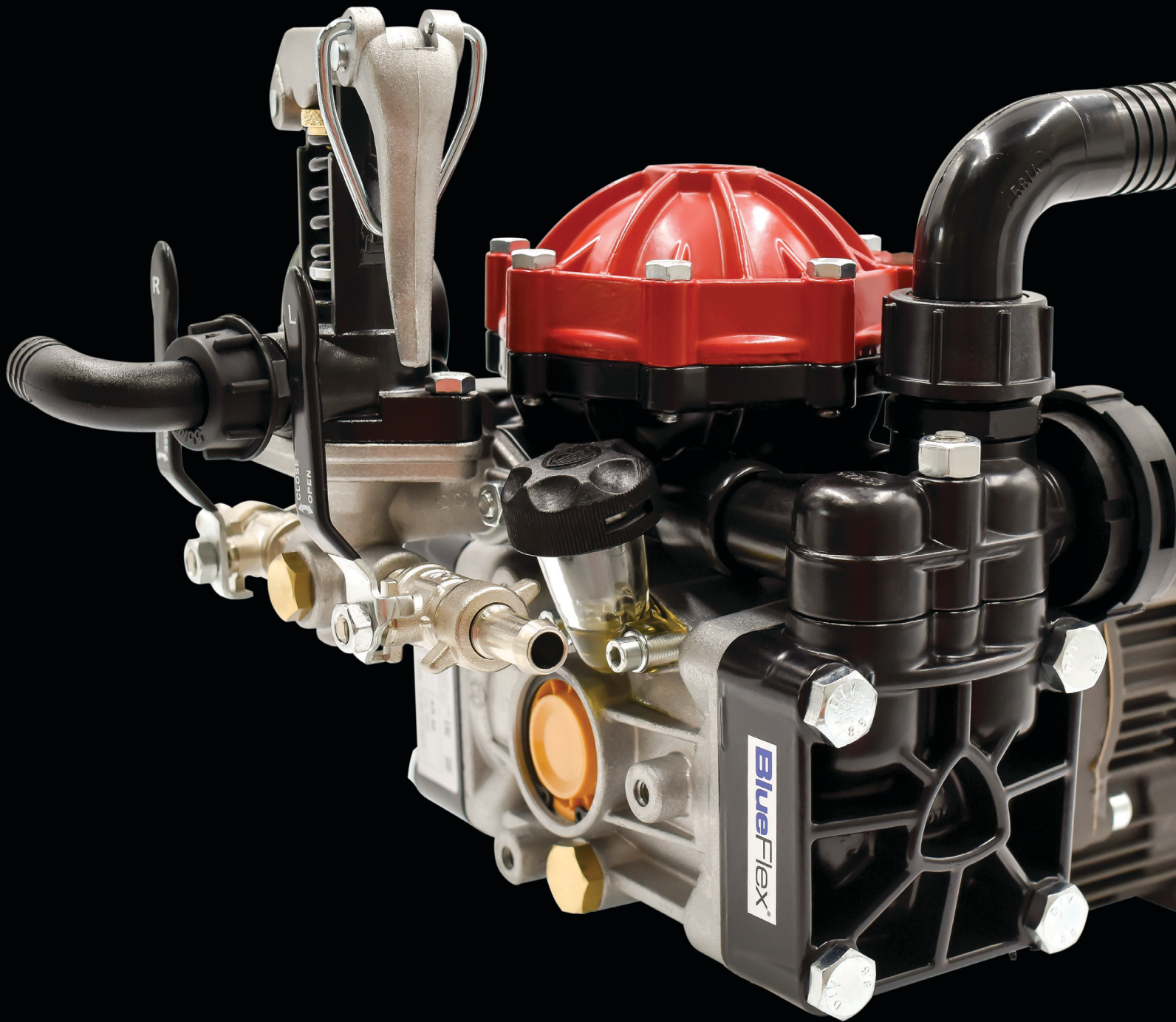


A.R. North America

Agriculture Product Catalog



**ANNOVI
REVERBERI**®
The Power of Experience

OUR HISTORY

Corrado Reverberi and Umberto Annovi founded **Annovi Reverberi Spa in Modena, Italy.**

Production of Urania- the first A.R. pump.

1958

New factory in Modena.

*A.R. world leader in crop spraying pumps.
Plunger pumps production start-up.*

1974

Ralph Notch founded **A.R. North America, Inc.**

1989

New factory in Bomporto.

*RKV plunger pump.
Annovi Reverberi captures U.S. market.*

1995

*First Asian operations office opens in **Shanghai.***

A.R. North America, Inc. moves into NEW 57,000 square foot warehouse in Fridley, Minnesota.

2004

Kyle and Jon Notch take the reins at **A.R. North America, Inc.**

2013

A.R. North America, Inc.
Completed construction on Warehouse #3 -
gained 82% for a total of 104,000 square feet.

2015

A.R. North America, Inc.
Added Diaphragm Pumps.

2017

New Annovi Reverberi Headquarters & Innovation Lab in Modena.

2020

New Annovi Reverberi Testing Room in Modena.

2021

Challenges, Successes, and Passion

"It's been an unfolding of events marked by challenges, courageous choices and some daring moves. A helter-skelter ride that has called for unwavering commitment and absolute dedication, intelligence, vigilance and sometimes, discretion and patience.

Whatever the situation, the journey has been thrilling and rewarding. The milestones of our success."

- Corrado Reverberi

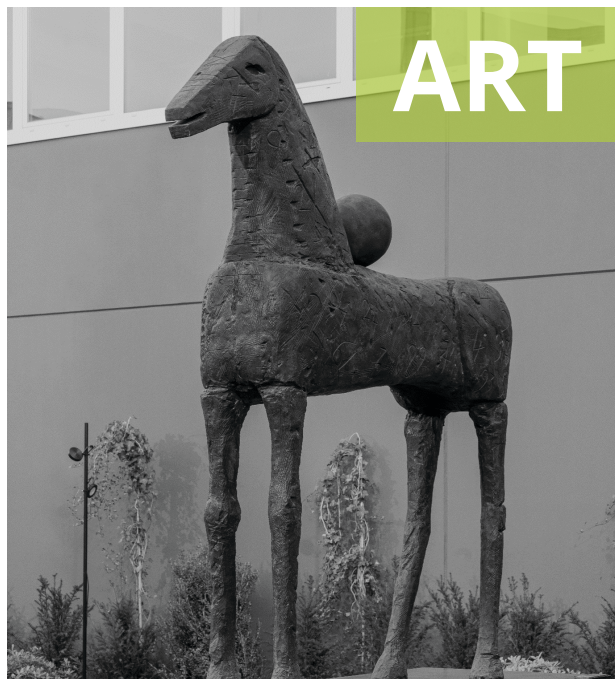
Annovi Reverberi: More than 60 years of Italian excellence

Founded in 1958 by Corrado Reverberi, Annovi 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 more than 60 year history has seen the Annovi Reverberi group grow considerably and become a leader in three sectors of reference: agriculture with the production of diaphragm pumps; industry through the success of AR plunger pumps and, finally, in the 90s, cleaning with the development of high-pressure washers and vacuum cleaners.

HQ IN MODENA

ART



*"Cavallo con Sfera e Numeri"
di Mimmo Paladino.
"Horse with Sphere and Numbers"
by Mimmo Paladino.*

We know how art and beauty are powerful means to channel creativity and innovation which can be transmitted throughout our workspace.

SUSTAINABILITY



*AR green energy
Modena, Italy*

Not a concept but real actions to achieve social economic and environmental sustainability. Processes improvements to reduce environmental impact, total recycling of waste water, total recycling of industrial waste, high energy efficiency control of the new testing room, sustainable and high efficiency product development, profit reinvestment in local economy; these are only some of the actions taken by Annovi Reverberi in order to increase sustainability.

INNOVATION

New machining center
Modena, Italy

Made in Annovi Reverberi
"Made in Annovi Reverberi" is a synonym of technological innovation, quality, Italian performance and corporate social responsibility. Behind every Annovi Reverberi product there are years of research, passion and patience, every pump is the result of the highest Italian quality combined with the most advanced production technologies.

For every industry the plunger pump you need

Relentless pursuit for Quality, Technological Innovation, and product excellence is ingrained in our DNA. Our passion can be seen translated to action in our "new" state of the art machining center of excellence in Bomporto, Italy. This facility services our ever-growing pursuit for improvement in our full range of plunger pumps where our breath of line services not only cleaning but a wide variety of industries in misting, reverse osmosis, dust suppression, blasting, sanitation, hydrostatic testing, hydro excavation, firefighting, homogenization, food processing, and many more.

In every industry you can see the "AR difference"! Experience combined with tireless attention to detail and high-quality components, are all factors in producing and developing pumps that lead the industry standard. AR Pumps are reliable, efficient, and run quiet. Each pump feature strict tolerances, with ceramic plungers helping to reduce maintenance while providing the ultimate experience.

A.R. NORTH AMERICA



NORTH AMERICA

A reliable partner

Nestled in Fridley MN AR North America (ARNA) has been a beacon for Annovi Reverberi since 1989. For 30+ years ARNA has been a flexible, reliable partner source of Plunger Pumps, Diaphragm pumps, Motors, and Accessories for all North and South America. ARNA focuses on a flexible customized customer first approach by keeping stock levels high and catering to everchanging customer needs and customizations.

OUR MISSION

We know how art and beauty are powerful means to channel creativity and innovation which can be transmitted throughout our workspace.

OUR VALUES

*We blend high quality standards and **Italian know-how** in all our products to meet our customers' needs.*



PEOPLE



TRADITION & INNOVATION



PASSION FOR QUALITY



ENVIRONMENTAL SUSTAINABILITY



PERFORMANCE & RELIABILITY



TAILORED CUSTOMIZATION

OUR JOURNEY

Since 1958 Annovi Reverberi has been the world's leading manufacturer of diaphragm pumps for agriculture and plunger pumps for industrial washing.

Today, Annovi Reverberi has a major presence in the cleaning sector thanks to its high pressure cleaners, for both private and professional use, representing pioneering solutions in the global market.

OUR INDUSTRIES

Agricultural

- Diaphragm pumps
- Control units
- Electric motor pump assemblies
- Motor-driven pump assemblies
- 12 Volt pumps

Industrial

- Plunger pumps
- Axial pumps
- Electric motor pump units
- Hydraulic drive
- Accessories

Cleaning

- High Pressure Washers
- Detergents
- Accessories

Modena HQ



**ANNOVI
REVERBERI**
GROUP



**ANNOVI
REVERBERI**
The Power of Experience

Minneapolis
Memphis



**NORTH
AMERICA**
When Quality Matters



Bomporto
Reggio Emilia
Novara



PROXima
GENERAL PRODUCTS SALES & MARKETING



XFORM

Shanghai



CHINA
艾热中国



**PERFORMANCE
PUMP**
上海艾热性能泵有限公司

XFORM

A.R. GROUP

50 design patents

100+ technical patents

200+ product certifications

3 Divisions

4 Manufacturing Facilities

2,300+ Distributors

100 Countries Reached

5 Continents

500 Employees



QUALITY INSIDE

LFP SERIES

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

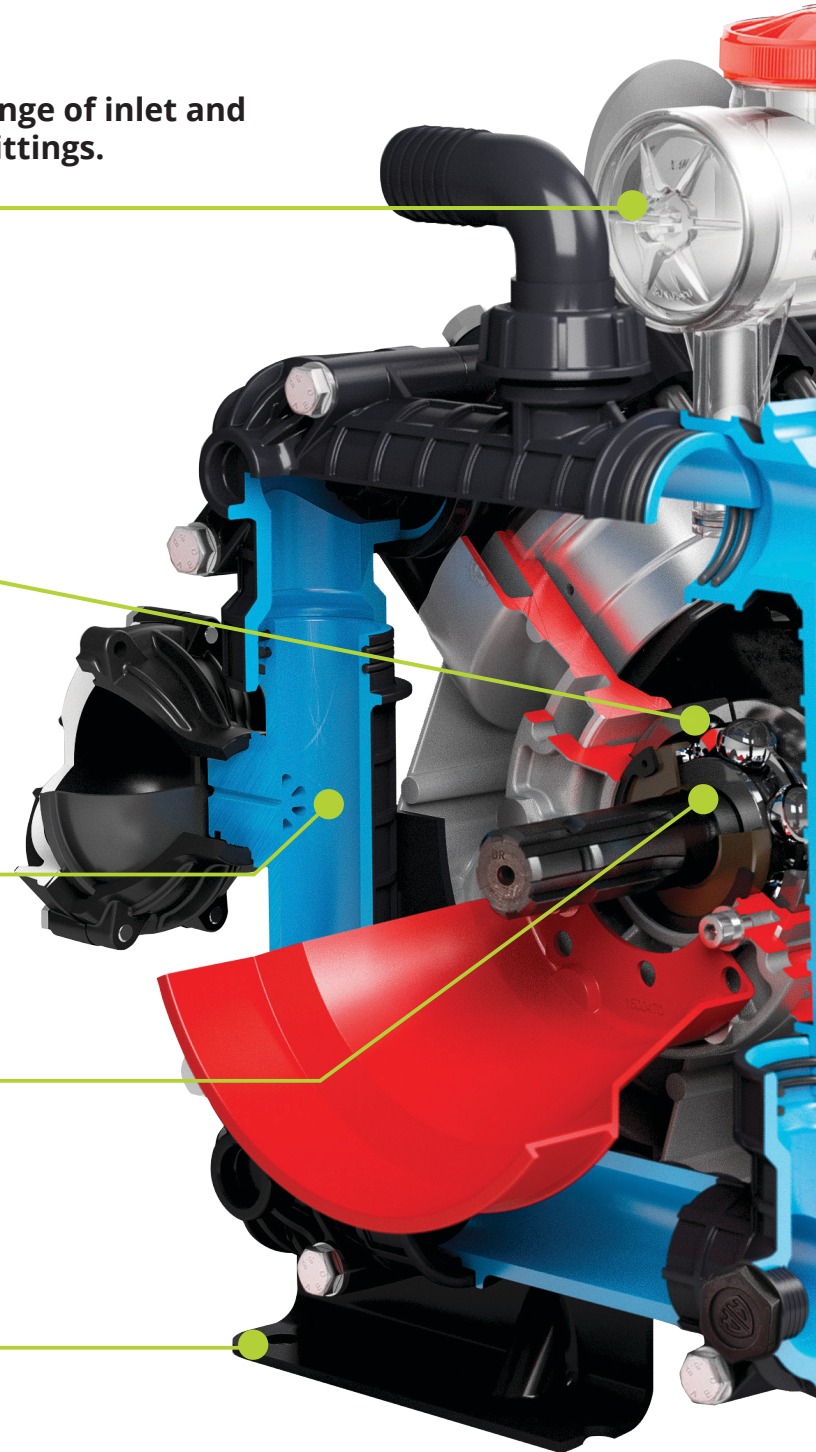
**Wide range of inlet and
outlet fittings.**

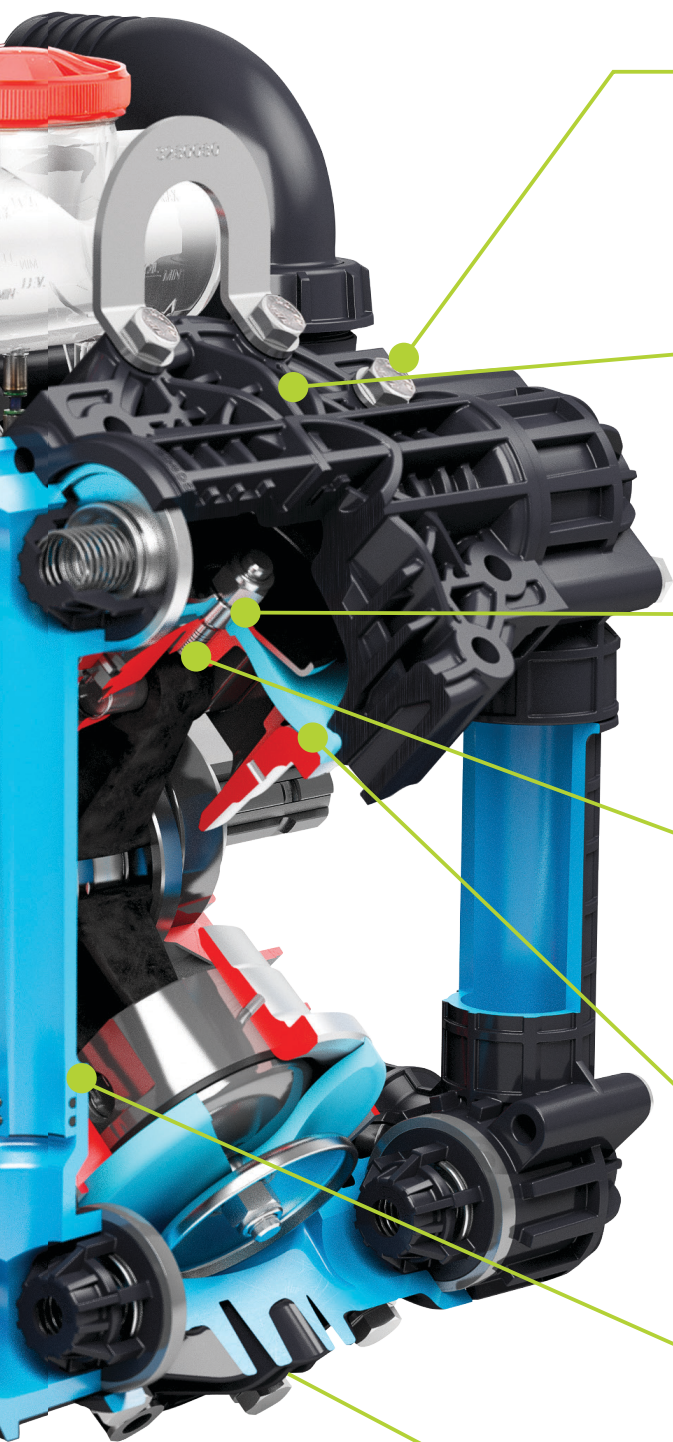
**2 high-quality needle bearings
under the connecting rods to
reduce friction.**

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

Double lip oil seals.

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





AISI 304 bolts and nuts.

Pump head in reinforced thermoplastic for aggressive chemicals.

Bolts and nuts for fixing the diaphragm in AISI 316L.

Large valves in AISI 316 for best hydraulic efficiency and better resistance to chemical agents.



Long-life BlueFlex™ diaphragms for resistance to spraying chemicals and aggressive liquid fertilizers.

Manifolds with double O-ring in Viton® for aggressive chemicals.

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

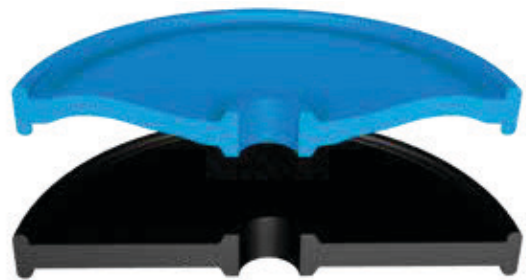


 **BlueFlex™**

HEAVY DUTY & LONG LIFE

Special Shape

The special shape and thickness of the diaphragms have been carefully optimized to reduce mechanical stresses during the working cycle of the pump, also under the more difficult working conditions.



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.





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.



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.

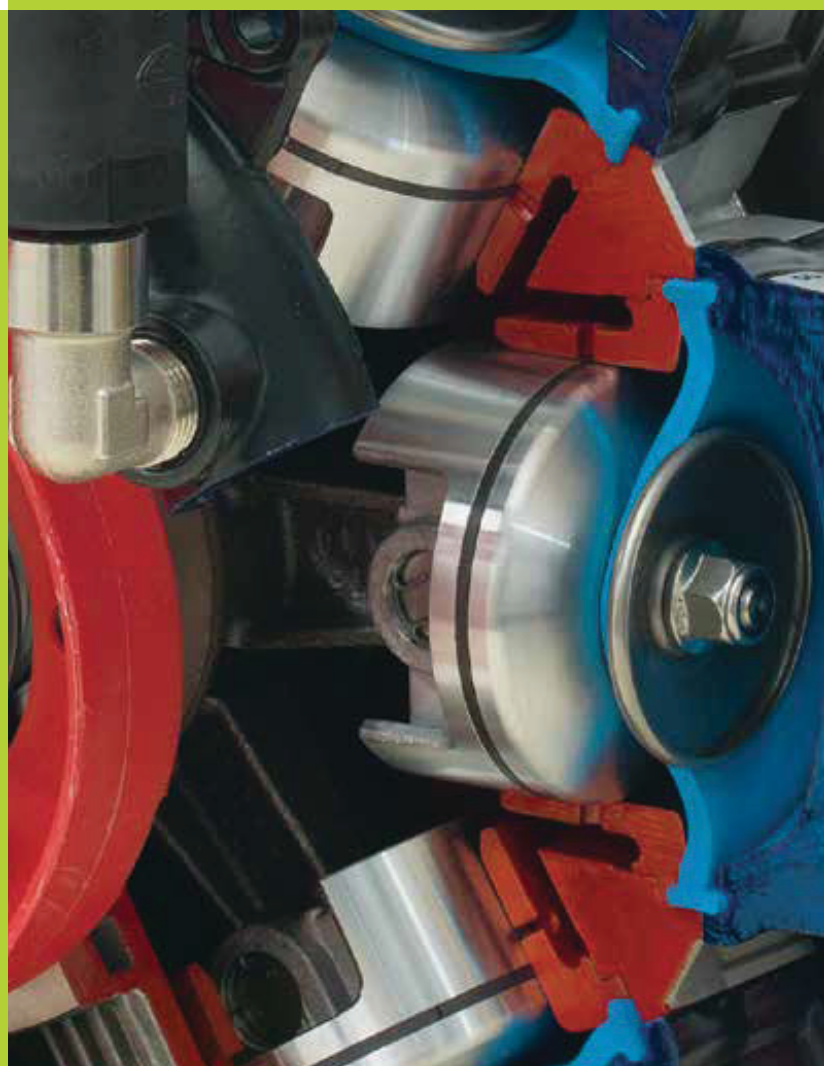


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DETAILED BREAKDOWN

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POLYPROPYLENE PUMPS

AR20LFP	AR140LFP
AR25LFP	AR160LFP
AR45LFP	AR185LFP
AR60LFP	AR330LFP
AR75LFP	AR380LFP
AR80LFP	AR410LFP
AR120LFP	AR460LFP



APPLICATIONS

Liquid Fertilizer

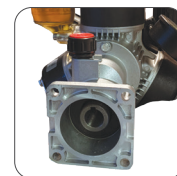
Soft Wash

Pest Control

Greenhouse

AR20LFP | AR25LFP

SOFT WASH PUMP GAS ENGINE UNIT



GR3/4-GCI Version.



SP Version
Straight 14 mm Keyed Shaft.









Low Pressure

140° F - Max Water Temp
1" - Inlet
1/2" HB - Outlet
3/4" Bypass



viton
o-rings

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR20LFP/AR25LFP 1450rpm Semi-Hydraulic Three-Diaphragm Pump								
AR20LFP-GR3/4-GCI 	20.0	5.3	20	290	1.0	1450	16	\$1,592.53
AR25LFP-GR3/4-GCI 	24.3	6.4	20	290	1.1	1450	16	\$1,645.44
AR20LFP-SP-GCI 	20.0	5.3	20	290	1.0	1450	15	\$1,372.11
AR25LFP-SP-GCI 	24.3	6.4	20	290	1.1	1450	15	\$1,399.67

GCI Pumps have 3/4" hollow shaft for direct-mount to gas engine

SP Pumps have 14mm keyed shaft

Includes AR32310 control unit



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR46561	BlueFlex™	\$79.94
AR46562	NBR	\$74.43
AR46563	Viton	\$375.74

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR46564	Valves (AR20) ○	\$194.34
AR46565	Valves (AR25) ○	\$313.75

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19



AR20LFP | AR25LFP

SOFT WASH PUMP ELECTRIC MOTOR UNIT



12-24VDC Version.



Hydraulic Flange AR55387
(motor not included).










Low Pressure

140° F - Max Water Temp
1" - Inlet
1/2" HB - Outlet
3/4" Bypass



viton
o-rings

Liquid Fertilizer Pesticide



MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR20LFP/AR25LFP 1450rpm Semi-Hydraulic Three-Diaphragm Pump								
AR20LFP-GCI-12VDC 	20.0	5.3	13	200	0.7	1450	45	\$2,888.39
AR25LFP-GCI-12VDC 	24.3	6.4	10	150	0.7	1450	45	\$2,953.63
AR20LFP-GCI-24VDC 	20.0	5.3	13	200	0.7	1450	45	\$2,888.39
AR25LFP-GCI-24VDC 	24.3	6.4	10	150	0.7	1450	45	\$2,953.63
AR25LFP-EM115V 	24.3	6.4	15	290	1.3	1725	45	\$2,743.37
Includes AR32310 control unit								



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR46561	BlueFlex™	\$79.94
AR46562	NBR	\$74.43
AR46563	Viton	\$375.74

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR46564	Valves (AR20) 	\$194.34
AR46565	Valves (AR25) 	\$313.75

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

AR45LFP

SOFT WASH PUMP



Low Pressure

140° F - Max Water Temp
1-1/4" - Inlet
1/2" HB - Outlet
1" - Outlet (non-GCI models)



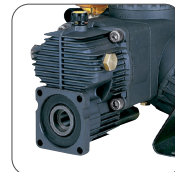
Viton
o-rings



C Version
1-3/8" 6B Splined Shaft.



SP Version
Straight 3/4" Keyed Shaft.












GR-GCI Version
Pump with Viton®
Diaphragms and
Gearbox AR31185 with
3/4" Hollow Shaft and
AR43821 Viton® Control Unit.



Hydraulic Flange AR55375.
For models AR45, AR60 & AR80
(SP Models Only). Fits SAE 2-bolt A
Flange Motors with 1" Shaft.

Liquid Fertilizer Pesticide

MOD		 MAX	 MAX		 NET	LIST PRICE			
		l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR45LFP 550rpm Semi-Hydraulic Three-Diaphragm Pump									
AR45LFP-C		43.3	11.4	20	290	2.1	550	29	\$1,344.56
AR45LFP-SP		43.3	11.4	20	290	2.1	550	28	\$1,305.99
AR45LFP-GR-GCI *		43.3	11.4	20	290	2.1	550	40	\$2,264.82
AR45LFP-GR		43.3	11.4	20	290	2.1	550	34	\$2,105.01
AR33LFP-GR-GCI		32.9	8.7	20	290	2.1	550	34	\$2,236.16

Model comes standard with Viton o-rings

*3/4" hollow shaft for direct-mount to gas engine includes AR43821 control unit with 1/2" outlet, 3/4" Bypass



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43239	BlueFlex™	\$153.51
AR43237	Desmopan	\$134.64
AR43236	NBR	\$105.97
AR43238	Viton	\$456.48

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR42816	Valves ○	\$224.50

GAUGE KITS

MOD	DESCRIPTION	LIST PRICE
ARGAUGEKIT45	Gauge Kit	\$102.83
ARGAUGEKIT45SS	S.S Gauge Kit	\$281.69

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43081	O-Rings ○	\$85.03



AR60LFP

SOFT WASH PUMP



Low Pressure

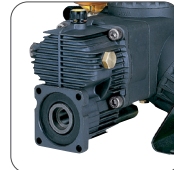
140° F - Max Water Temp
1-1/2" - Inlet
1/2" HB - Outlet
1" - Outlet (non-GCI models)



C Version
1-3/8" 6B Splined Shaft.



SP Version
Straight 3/4" Keyed Shaft.









GR-GCI Version
Pump with Viton®
Diaphragms and Gearbox
AR31185 with 3/4"
Hollow Shaft and AR47270
Viton® Control Unit.



Hydraulic Flange AR55375.
For models AR45, AR60 & AR80
(SP Models Only). Fits SAE
2-bolt A Flange Motors with
1" Shaft.

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 NET	LIST PRICE				
	l/min	gpm	bar	psi	hp	rpm	lbs	\$	
AR60LFP 550rpm Semi-Hydraulic Three-Diaphragm Pump									
AR60LFP-SP		59.1	15.6	20	290	2.14	550	31	\$1,487.84
AR60LFP-GR-GCI*		59.1	15.6	20	290	2.14	550	40	\$2,813.66

Model comes standard with Viton o-rings

*3/4" hollow shaft for direct-mount to gas engine includes AR47270 control unit with 1/2" outlet, 3/4" Bypass



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43247	BlueFlex™	\$146.80
AR43246	Viton	\$451.13

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR43138	Valves	\$461.82

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43128	O-Rings	\$141.11

AR75LFP

SOFT WASH PUMP



C Version
1-3/8" 6B Splined Shaft.



SP Version
Straight 3/4" Keyed Shaft.



Hydraulic Flange AR55386.
For models AR75LFP
(SP Models Only). Fits SAE
2-bolt A Flange Motors
with 1" Shaft.







Low Pressure

140° F - Max Water Temp
1-1/4" - Hose Barb Inlet
1" - Hose Barb Outlet



viton
o-rings

Liquid Fertilizer Pesticide

MOD		 MAX	 MAX		 NET	LIST PRICE			
		l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR75LFP 550rpm Semi-Hydraulic Three-Diaphragm Pump									
AR75LFP-SP		69	18.2	15	225	2.6	550	24	\$1,504.37
AR75LFP-C		69	18.2	15	225	2.6	550	27	\$1,164.92



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43080	BlueFlex™	\$93.99

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR42816	Valves ○	\$224.50

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR46142	O-Rings ○	\$29.93



AR80LFP

SOFT WASH PUMP



Low Pressure

140° F - Max Water Temp
1-1/2" - Inlet
1/2" HB - Outlet (2)
1" Outlet (non-GCI models)



Viton
o-rings



C Version
1-3/8" 6B Splined Shaft.



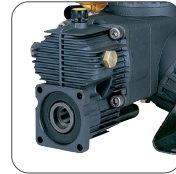
SP Version
Straight 3/4" Keyed Shaft.



AP SP/C Version
Straight 3/4" keyed x
1-3/8" 6B Splined Thru
Shaft.



AP C/C Version
1-3/8" 6B Splined
Thru Shaft.








GR-GCI Version
Pump with Viton®
Diaphragms and Gearbox
AR31185 with 3/4" Hollow
Shaft and GS25S Viton®
Control Unit.



Hydraulic Flange
AR55375. For models
AR45, AR60 & AR80
(SP Models Only).
Fits SAE 2-bolt A Flange
Motors with 1" Shaft.

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR80LFP 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR80LFP-C	76.4	20.2	20	290	3.4	550	37	\$1,531.92
AR80LFP-SP	76.4	20.2	20	290	3.4	550	37	\$1,515.39
AR80LFP-AP-SP/C	76.4	20.2	20	290	3.4	550	40	\$1,614.58
AR80LFP-AP-C/C	76.4	20.2	20	290	3.4	550	40	\$1,647.64
AR80LFP-GR-GCI * 	76.4	20.2	20	290	3.4	550	46	\$2,915.05

Model comes standard with Viton o-rings

*Includes AR47270 control unit with 1/2" outlet, 3/4" Bypass


*3/4" hollow shaft for direct-mount to gas engine



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43247	BlueFlex™	\$146.80
AR43245	Desmopan	\$149.38
AR43244	NBR	\$140.33
AR43246	Viton	\$451.13


VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR43138	Valves 	\$461.82

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43128	O-Rings 	\$141.11

AR120LFP | AR140LFP

LOW PRESSURE PUMP



Low Pressure

140° F - Max Water Temp
1-1/2" - Inlet
1" - Outlet



viton
o-rings



C Version
1-3/8" 6 Splined Shaft.













SP Version
Straight 25mm Keyed Shaft.



Hydraulic Flange Kit AR55376.
For models AR120, AR140 (SP
Models Only). Fits SAE 2-bolt A
Flange Motors with 1" Shaft.

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 lb NET	LIST PRICE				
	l/min	gpm	bar	psi	hp	rpm	lbs	\$	
AR120LFP / AR140LFP 550rpm Semi-Hydraulic Three-Diaphragm Pump									
AR120LFP-C		116.7	30.8	15	220	4.5	550	41	\$2,038.89
AR120LFP-SP		116.7	30.8	15	220	4.5	550	39	\$1,989.29
AR120LFP-AP-SP/C		116.7	30.8	15	220	4.5	550	37	\$2,160.12
AR140LFP-C		132.9	35.1	15	220	5.2	550	41	\$2,093.99
AR140LFP-SP		132.9	35.1	15	220	5.2	550	39	\$2,044.40
AR140LFP-AP-SP/C		132.9	35.1	15	220	5.2	550	37	\$2,215.22



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43255	BlueFlex™	\$153.51
AR43253	Desmopan	\$152.49
AR43252	NBR	\$154.55
AR43254	Viton	\$1,178.50

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR43138	Valves ○	\$461.82

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43139	O-Rings ○	\$196.94



AR160LFP | AR185LFP

LOW PRESSURE PUMP



C/C Version
1-3/8" 6 Splined
Thru Shaft.



Hydraulic Motor Flange Kit
AR1570. For pump models
AR160 - 370. Fits SAE 2-bolt A
Flange Motors with 1" Shaft.







Low Pressure

140° F - Max Water Temp
2" - Inlet
1-1/4" - Outlet



viton
o-rings

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR160LFP / AR185LFP 550rpm Semi-Hydraulic Four-Diaphragm Pump								
AR160LFP-C/C 	166.2	43.9	15	220	6.8	550	70	\$3,278.75
AR185LFP-C/C 	182.1	48.1	15	220	7.4	550	70	\$3,366.92




DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43259	BlueFlex™	\$216.05
AR43257	Desmopan	\$147.57
AR43256	NBR	\$150.15
AR43258	Viton	\$1,623.02

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR43169	Valves 	\$746.90

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43170	O-Rings 	\$207.01

AR330LFP | AR380LFP

LOW PRESSURE PUMP



C/C Version
1-3/8" 6 Splined
Thru Shaft.



Hydraulic Flange Kit AR55384.
For models AR330, AR380,
AR410 & AR460 Pumps.
Fits SAE 2-Bolt A flange
motors with 1" shaft.







Low Pressure

140° F - Max Water Temp
60 mm - Inlet
1-1/4" - Outlet



viton
o-rings

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR330LFP / AR380LFP 550rpm Semi-Hydraulic Four-Diaphragm Pump								
AR330LFP-C/C 	317.9	84.0	15	220	11.6	550	128	\$5,234.98
AR380LFP-C/C 	367.7	97.1	15	220	13.8	550	128	\$5,356.21




DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43274	BlueFlex™	\$427.79
AR43273	Desmopan	\$458.47
AR43272	NBR	\$362.59

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR43182	Valves 	\$1,015.68

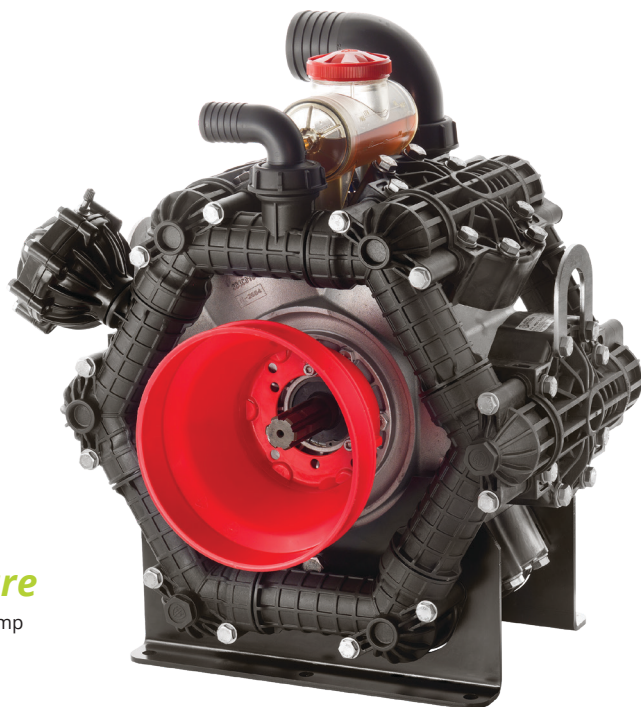
O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43183	O-Rings 	\$254.31



AR410LFP | AR460LFP

LOW PRESSURE PUMP



Low Pressure

140° F - Max Water Temp
3" - Inlet
1-1/2" - Outlet



viton
o-rings









C/C Version
1-3/8" 6 Splined
Thru Shaft.



Hydraulic Flange Kit AR55384.
For models AR330, AR380,
AR410 & AR460 Pumps.
Fits SAE 2-Bolt A flange
motors with 1" shaft.

Liquid Fertilizer Pesticide

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR410LFP / AR460LFP 550rpm Semi-Hydraulic Four-Diaphragm Pump								
AR410LFP-APC/C 	401.2	106.0	15	220	14.9	550	166	\$7,808.38
AR460LFP-APC/C 	450.3	119.0	15	220	17.4	550	166	\$8,001.25



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43277	BlueFlex™	\$561.64
AR43276	Desmopan	\$664.21
AR43275	NBR	\$519.47

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR43187	Valves	\$1,917.64

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43188	O-Rings	\$85.54



LOW PRESSURE PUMPS

AR70BP
AR115BP
AR135BP
AR115BP
AR185BP
AR215BP
AR250BP

AR280BP
AR320BP TWIN TOP
AR370BP TWIN TOP
AR500BP TWIN TOP
AR560BP TWIN TOP
APPLICATION KITS
CONTROL UNITS



APPLICATIONS

Agriculture

Soft Wash

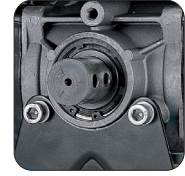
Chemical Transfer

AR70BP

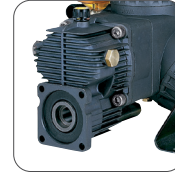
LOW PRESSURE PUMP



C Version
1-3/8" 6 Splined Shaft.



SP Version
Use spline or straight shaft kits.



GR3/4 Version
Gearbox AR1671 for Gas Engine w/3/4" shaft.



Hydraulic Flange Kit
AR43396. For models AR70, AR115, AR135 (SP Models Only). Fits SAE 2-bolt A Flange Motors with 1" Shaft. (Supersedes AR2495).







AR1511 Female
PTO Coupler.

Low Pressure

140° F - Max Water Temp
1-1/4" - Inlet
1" - Outlet

Plastic Coated Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR70BP 550rpm Semi-Hydraulic Two-Diaphragm Pump								
AR70BP-C	74.1	19.6	20	290	3.4	550	27	\$1,383.14
AR70BP-SP	74.1	19.6	20	290	3.4	550	28	\$1,322.52
AR70BP-GR3/4 *	74.1	19.6	20	290	3.4	550	36	\$2,198.69

*3/4" Hollow Shaft for Direct Mount to Gas Engine



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43243	BlueFlex™	\$102.34
AR43241	Desmopan	\$92.00
AR43240	NBR	\$93.81

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2364	Valves	\$210.37

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2365	O-Rings	\$23.95

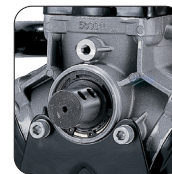


AR115BP | AR135BP

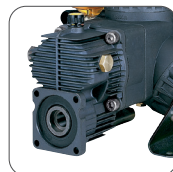
LOW PRESSURE PUMP



C Version
1-3/8" 6 Splined Shaft.



SP Version
Use spline or straight
shaft kits.



GR3/4 Version
Assembled with Gearbox
AR1671 for 5-6 HP
Gas Engines.







Hydraulic Flange Kit AR43396.
For models AR70, AR115,
AR135 (SP Models Only). Fits
SAE 2-bolt A Flange Motors
with 1" Shaft.
(Supersedes AR2495).

Low Pressure

140° F - Max Water Temp
1-1/2" - Inlet
1" - Outlet

Plastic Coated Aluminum

MOD	 MAX		 MAX			 NET	LIST PRICE	
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR115BP / AR135BP 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR115BP-C	107.9	28.5	20	290	5.5	550	36	\$2,055.42
AR115BP-SP	107.9	28.5	20	290	5.5	550	37	\$1,983.78
AR115BP-GR3/4 *	107.9	28.5	20	290	5.5	550	45	\$2,683.61
AR135BP-C	128.0	33.8	20	290	6.8	550	36	\$2,088.48
AR135BP-SP	128.0	33.8	20	290	6.8	550	37	\$2,016.84
AR135BP-GR3/4 *	128.0	33.8	20	290	6.8	550	45	\$2,716.68
AR135BP-GR1	128.0	33.8	20	290	6.8	550	45	\$2,716.68
AR115BP 1000rpm Semi-Hydraulic Three-Diaphragm Pump								
AR115BP-C1000	94.0	24.8	15	220	4.2	1000	36	\$2,116.03
*3/4" Hollow Shaft for Direct Mount to Gas Engine								



AR1511 Female
540 PTO Coupler
-SP models Only.



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43251	BlueFlex™	\$153.51
AR43249	Desmopan	\$119.92
AR43248	NBR	\$121.73

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2370	Valves	\$311.62

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2026	O-Rings	\$36.96

AR160BP | AR185BP

LOW PRESSURE PUMP



C/C Version
1-3/8" 6 Splined
Thru Shaft.



Hydraulic Motor Flange Kit
AR1570. For pump models
AR160 - 370. Fits SAE 2-bolt A
Flange Motors with 1" Shaft.

Low Pressure

140° F - Max Water Temp
2" - Inlet
1-1/2" - Outlet

Plastic Coated Aluminum

MOD	MAX		MAX				lb NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR160BP / AR185BP 550rpm Semi-Hydraulic Four-Diaphragm Pump								
AR160BP-C/C	166.2	43.9	20	290	8.4	550	67	\$3,278.75
AR185BP-C/C	182.1	48.1	20	290	9.3	550	67	\$3,366.92



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43259	BlueFlex™	\$216.05
AR43257	Desmopan	\$147.57
AR43256	NBR	\$150.15
AR43258	Viton	\$1,623.02

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2374	Valves	\$412.47

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR42510	O-Rings	\$63.07



AR215BP | AR250BP AR280BP

LOW PRESSURE PUMP



C/C Version
1-3/8" 6 Splined
Thru Shaft.



Hydraulic Motor Flange Kit
AR1570. For pump models
AR160-370. Fits SAE 2-bolt A
Flange Motors with 1" Shaft.

Low Pressure

140° F - Max Water Temp
2" - Inlet (AR215-AR250)
2-1/2" - Inlet (AR280)
1-1/4" - Outlet

Plastic Coated Aluminum

MOD	MAX		MAX				NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR215BP / AR250BP / AR280BP 550rpm Semi-Hydraulic Six-Diaphragm Pump								
AR215BP-C/C	219.1	57.9	20	290	9.9	550	91	\$4,182.47
AR250BP-C/C	254.4	67.2	20	290	11.4	550	91	\$4,303.70
AR280BP-C/C	277.8	73.4	20	290	12.9	550	91	\$4,623.31



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43263	BlueFlex™	\$324.08
AR43261	Desmopan	\$202.35
AR43260	NBR	\$206.24

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2114	Valves	\$615.10

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR42513	O-Rings	\$77.53

AR320BP | AR370BP TWIN TOP

LOW PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.

Low Pressure

140° F - Max Water Temp
2 x 2" - Inlet
2 x 1-1/4" - Outlet

Plastic Coated Aluminum

MOD	 MAX		 MAX		 R		 lb NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR320BP / AR370BP 550rpm Semi-Hydraulic Eight (four + four)- Diaphragm Pump								
AR320BPTWINTOP-C/C	321.2	84.9	20	290	16.8	550	127.9	\$6,474.84
AR370BPTWINTOP-C/C	371.5	98.2	20	290	17.3	550	127.9	\$6,590.56



DIAPHRAGM KITS (2)

MOD	DESCRIPTION	LIST PRICE
AR43267	BlueFlex™	\$392.83
AR43265	Desmopan	\$388.81
AR43264	NBR	\$283.77
AR43266	Viton	\$3,225.36

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS (2)

MOD	DESCRIPTION	LIST PRICE
AR2374	Valves	\$412.47

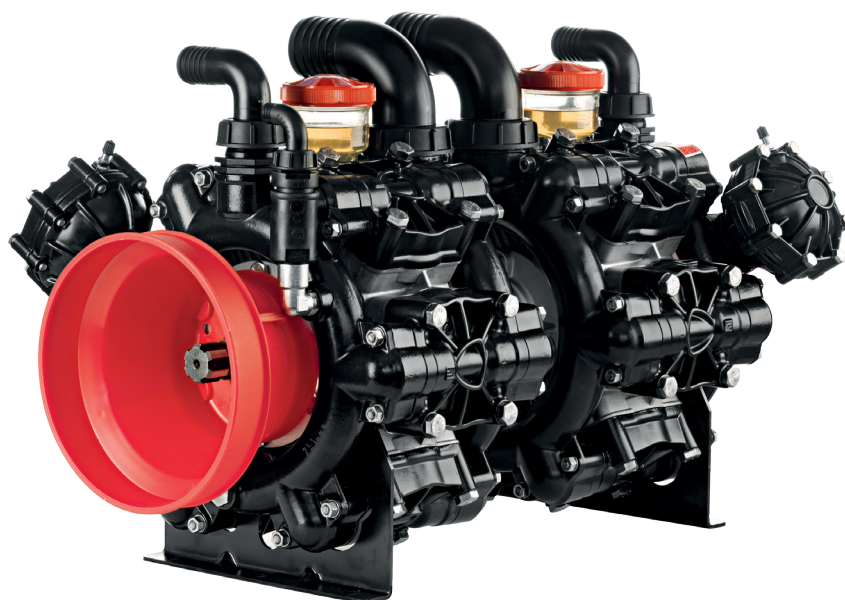
O-RING KITS (2)

MOD	DESCRIPTION	LIST PRICE
AR42510	O-Rings	\$63.07



AR500BP | AR560BP TWIN TOP

LOW PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.

Low Pressure

140° F - Max Water Temp
2 x 2" - Inlet (AR500)
2 x 2-1/2" - Inlet (AR560)
2 x 1-1/4" - Outlet

Plastic Coated Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR500BP / AR560BP 550rpm Semi-Hydraulic Twelve (six + six)- Diaphragm Pump								
AR500BPTWINTOP-C/C	489.4	129.3	20	290	23.6	550	165.3	\$8,453.11
AR560BPTWINTOP-C/C	543.2	143.5	20	290	26.6	550	165.3	\$8,563.32



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43271	BlueFlex™	\$589.25
AR43269	Desmopan	\$388.19
AR43268	NBR	\$396.19
AR43270	Viton	\$4,646.79

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2114	Valves	\$615.10

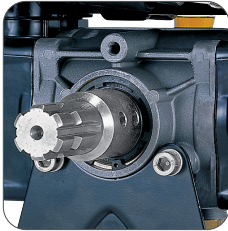
O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR42513	O-Rings	\$77.53

APPLICATION KITS

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.

Shaft Kit AR43392: 1-3/8" Male Spline Shaft \$165.13



For Models: AR70, AR115 & AR135
1-3/8" universal shaft

Pulley Kit AR1514 \$310.13



For Models: AR70, AR115 & AR135
Pulley 2A 11" Diameter

Hydraulic Motor Flange Kit AR55384 \$680.88



For models AR330, AR380,
AR410 & AR460 Pumps
Fits SAE 2-Bolt A flange motors
with 1" shaft

Shaft Kit AR43389: 1" Male Solid Keyed Shaft \$274.13



For models AR70, AR115 & AR135
Kit includes a male PTO shaft adapter,
mounting bracket and necessary
hardware.

Female 540 PTO Shaft Kit AR1511 \$289.21



For models AR70, AR115 & AR135
(SP models Only)

LOW PRESSURE



Hydraulic Motor Flange Kit AR55371 \$676.20



For models AR410 - 460
Fits 4 Bolt B Flange Motors with
32mm Shaft

Hydraulic Motor Flange Kit AR1570 \$439.38



For models AR160 - 370
Fits SAE 2-bolt A Flange Motors with
1" Shaft

Hydraulic Motor Flange Kit AR43396 \$434.18



For models AR70, AR115, AR135
(SP Models Only)
Fits SAE 2-bolt A Flange Motors with
1" Shaft
Supersedes AR2495

Hydraulic Motor Flange Kit AR55375 \$358.98



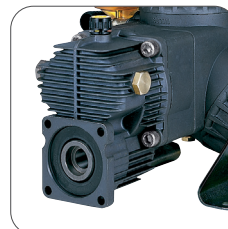
For models AR45, AR60 & AR80
(SP Models Only)
Fits SAE 2-bolt A Flange Motors with
1" Shaft

Hydraulic Motor Flange Kit AR55376 \$351.13



For models AR120, AR140
(SP Models Only)
Fits SAE 2-bolt A Flange Motors with
1" Shaft

Gearbox Kit 3/4": for 5-6 HP Gas Engine



Gearbox for four stroke engines
with SAE J609a flange

AR1671 For Models: AR70, AR115 & AR135 \$708.65
AR31185 For Models: AR45, AR60 & AR80 \$730.69



CONTROL UNITS




LOW PRESSURE

ECM-3

AR70BP - AR160BP
140° F Max Temperature
1" - Inlet
1" - Bypass
1/2" - Outlet (3)



Remote control unit with working pressure regulating valve, complete with glycerin filled pressure gauge with colored dial.





MOD				LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
ECM-3 Remote Control Unit						
ECM-3	42.3	160	20	290	3.5	\$495.95

IDROMINUS

AR70BP - AR160BP
140° F Max Temperature
1" - Inlet
1" - Bypass
1/2" - Outlet



Remote control unit with working pressure regulating valve, opening/closing control lever, anti drip, valves with pressure discharge regulation and glycerin filled pressure gauge with colored dial.




MOD					LIST PRICE	
	l/min	gpm	bar	psi	lbs	\$
IDROMINUS Remote Control Unit						
IDROMINUS	160	42.3	20	290	6.6-7.1	\$1,256.39

UCM-3

AR70BP - AR160BP
140° F Max Temperature
1" - Inlet
1" - Bypass
1/2" - Outlet (3)



Remote control unit with working pressure regulating valve, opening/closing control lever, anti-drip and glycerin filled pressure gauge with colored dial.





MOD				LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
UCM-3 Remote Control Unit						
UCM-3	160	42.3	20	290	6	\$843.11

GS 25 S / GS 25 V (Viton)

AR45BP - AR45LFP
140° F Max Temperature
1" - Inlet
3/4" - Bypass
3/8" - Outlet



Remote control unit with working pressure regulating valve, by-pass control and glycerin filled pressure gauge with colored dial.

MOD					LIST PRICE	
	l/min	gpm	bar	psi	lbs	\$
UCM-3 Remote Control Unit						
GS25S	50	13.2	20	290	2.2	\$258.99
GS25V	50	13.2	20	290	2.2	\$314.34
Replacement Control Direct Mount						
AR43821	50	13.2	20	290	2.2	\$87.87

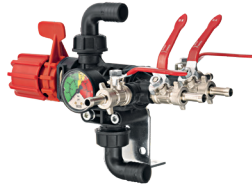
CONTROL UNITS

LOW PRESSURE






GS 35 S / GS 35 V (Viton)

AR45, AR60, AR80
140° F Max Temperature
1" - Inlet
1" - Bypass
3/8" - Outlet



Remote control unit with working pressure regulating valve, by-pass control and glycerin filled pressure gauge with colored dial.




MOD	 MAX	 MAX	 NET	LIST PRICE	
	l/min	gpm	bar	psi	lbs
UCM-3 Remote Control Unit AR45, AR60, AR80					
GS35S	100	26.4	20	290	3.7
GS35V	100	26.5	20	290	3.7
Direct Mount Kit AR60, AR80					
AR3249006			Buna		\$283.36
AR47270			Viton		\$184.47
Direct Mount Kit AR45					
AR43821			Viton		\$87.87

RM 20 S

AR70BP - AR115BP
140° F Max Temperature
1" - Inlet
1" - Bypass
3/8" - Outlet



Remote control unit with working pressure regulating valve, by-pass control and glycerin filled pressure gauge with colored dial.




MOD	 MAX	 MAX	 NET	LIST PRICE	
	l/min	gpm	bar	psi	lbs
RM 20 S Remote Control Unit					
RM20S	80	21.1	20	290	3.5

GS 20 S

AR70BP
140° F Max Temperature
3/4" - Inlet
3/4" - Bypass
3/8" - Outlet

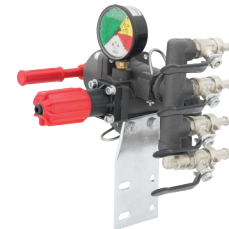


Remote control unit with working pressure regulating valve and glycerin filled pressure gauge with colored dial.




MOD	 MAX	 MAX	 NET	LIST PRICE	
	l/min	gpm	bar	psi	lbs
GS 20 S Remote Control Unit					
GS20S	50	13.2	20	290	3.5

VDR 20 S

AR70BP - AR115BP
140° F Max Temperature
1" - Inlet
1" - Bypass
3/8" - Outlet



Remote control unit with working pressure regulating valve, opening/closing control lever and glycerin filled pressure gauge with colored dial.

MOD	 MAX	 MAX	 NET	LIST PRICE	
	l/min	gpm	bar	psi	lbs
VDR 20 S Remote Control Unit					
VDR20S	130	34.3	20	290	4.9



RELIEF VALVES

LOW PRESSURE



VSP200

AR70BP - 185BP
140° F Max Temperature
1" GAS



VSP400

AR215BP - AR380BP
AR320BP Twin Top -
AR370BP Twin Top
140° F Max Temperature
1-1/2" GAS



VSP600

AR410BP - AR460BP
AR500BP Twin Top -
AR560BP Twin Top
140° F Max Temperature
2" GAS






AGRV0102



AGRV0022

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 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.

Pressure relief valve resistant to liquid and abrasive chemicals. Pressure relief valves maintain a constant maximum pressure by-passing excess flow. Relief valve in diaphragm version for maintaining accurate regulating pressure.

MOD	 MAX		 MAX		 NET	LIST PRICE
	l/min	gpm	bar	psi	lbs	\$
VSP Safety Valves						
VSP200	200	53	20	290	1.1	\$297.57
VSP400	400	105	20	290	2.4	\$540.03
VSP600	600	158	20	290	6.8	\$980.87

MOD	 MAX	CONSTRUCTION	PORTS	LIST PRICE
	psi		in	\$
Pressure Relief Valves				
AGRV0102	290	Nylon	1" and 1/4" BSP	\$196.40
AGRV0022	290	Nylon	1 1/2" and 2" BSP	\$338.09

AG8384050






Manual adjustable pressure relief valve.

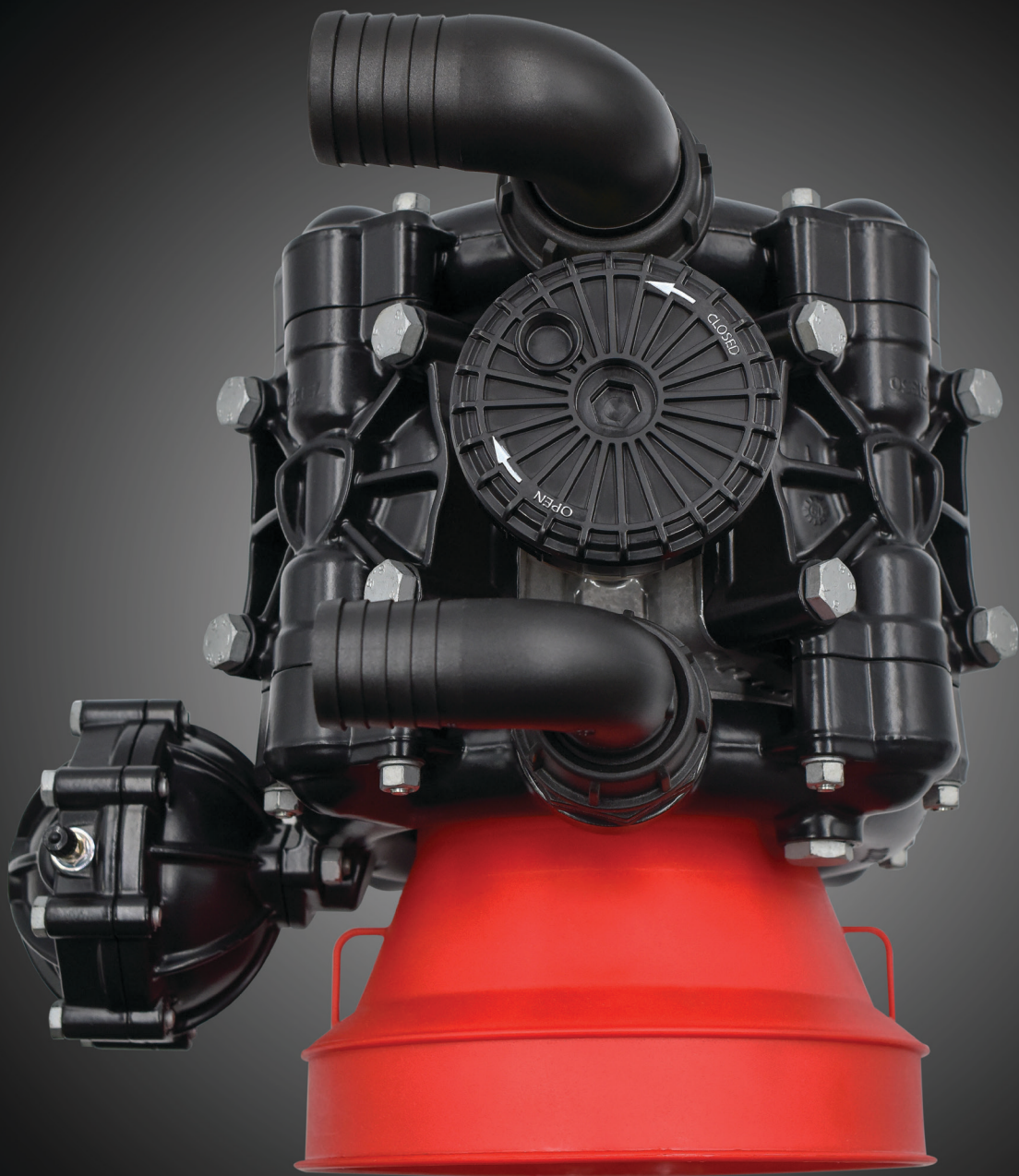
AGRV9257



Nylon Pressure Regulator Valve, T-Handle pressure adjustment, 3/4" NPT Ports.

MOD	 MAX	 MAX	BY-PASS	GAUGE	INLET	LIST PRICE
	psi	gpm	a	b	c	\$
Manual Adjustable Pressure Relief Valve						
AG8384050	60	20	3/4" NPT	1/4" NPT	1/2" NPT	\$39.96
AG8384052	60	20	3/4" NPT	1/4" NPT	3/4" NPT	\$39.96
AG8384051	150	20	3/4" NPT	1/4" NPT	1/2" NPT	\$39.96

MOD	 MAX	CONSTRUCTION	PORTS	LIST PRICE
	psi		in	\$
Pressure Regulator Valve				
AGRV9257		Regulator Valve 150 PSI		\$16.81



MEDIUM PRESSURE PUMPS

AR-DUE
AR252
AR30
AR40
AR50
AR303

AR403
AR503
AR1666 GEARBOX
APPLICATION KITS
CONTROL UNITS



APPLICATIONS

Agriculture

Lawn Spraying

Pest Control

Hydrostatic Testing

Fire Suppression



Medium Pressure





140° F - Max Water Temp

3/4" - Inlet

3/8" - Outlet

5/8" - Bypass

Anodized Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR-DUE 1450rpm Semi-Hydraulic Two-Diaphragm Pump and Motor								
AR-DUE-V.R.I.-12 (12 Volt Motor)	13	3.5	10	145	0.34	1450	23	\$1,589.73
AR-DUE-V.R.I.-24 (24 Volt Motor)	13	3.5	10	145	0.34	1450	23	\$1,477.43



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43789	BlueFlex™	\$81.41

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1992	Valves	\$80.63

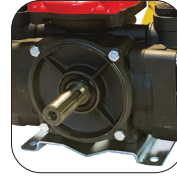
O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2465	O-Rings	\$21.62



AR252

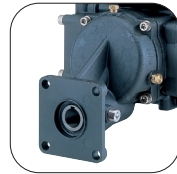
MEDIUM PRESSURE PUMP



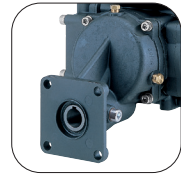
SP/SGC Version
Straight 3/4" Keyed
Shaft and 1/2" BSP
threaded outlet flange.



SP/A5/8 Version
Straight 3/4" Keyed
Shaft with 5/8" Keyed
Solid Thru Shaft.



GR-GCI5/8 Version
With AR1912 Control
Unit and Gearbox
with 5/8" Hollow Shaft.







GR-GCI3/4 Version
With AR1912 Control
Unit and Gearbox
with 3/4" Hollow Shaft.

Medium Pressure

140° F - Max Water Temp
3/4" - Inlet
3/8" - Outlet
5/8" - Bypass

Anodized Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR252 650rpm Semi-Hydraulic Two-Diaphragm Pump								
AR252-SP/SGC	24.6	6.5	25	362	1.42	650	8.8	\$887.19
AR252-SP/A5/8	24.6	6.5	25	362	1.42	650	8.8	\$975.36
AR252-GR-GCI5/8	24.6	6.5	25	362	1.42	650	8.8	\$1,317.01
AR252-GR-GCI3/4	24.6	6.5	25	362	1.42	650	14	\$1,317.01
AR252D-GR-GCI3/4	24.6	6.5	25	362	1.42	650	14	\$1,317.01
AR252-GR/A5/8-GCI	24.6	6.5	25	362	1.42	650	14	\$1,405.18

GCI - Pump with a mounted control unit (AR1990)

AR252D - Version has Desmopan diaphragms



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43281	BlueFlex™	\$68.23
AR43278	NBR	\$71.33
AR43279	Desmopan	\$56.86

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2408	Valves	\$83.47

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2409	O-Rings	\$19.12

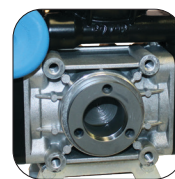
AR30

MEDIUM PRESSURE PUMP

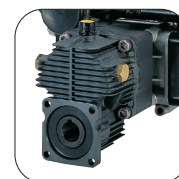


Medium Pressure

140° F - Max Water Temp
1" - Hose Barb Inlet
1/2" - Hose Barb Outlet



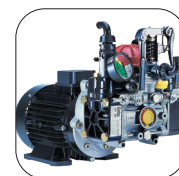
SP Version
Flanged shaft for shaft kits,
Gear Boxes, Pulleys &
Hydraulic Flange kits.



GR3/4-GCI Version
Gear Reduction AR1636 with
3/4" Hollow Shaft and GIC40
Control Unit.



SP/A3/4 Version
SP Version with 3/4" Solid
Keyed Thru Shaft.







EM230-1
Electric Motor.



Hydraulic Flange Kit
AR43397. AR30, AR40
(SP Models Only). Fits SAE
2-bolt A Flange Motors with
1" Shaft.

Plastic Coated Aluminum

MOD	 MAX	 MAX	 MAX	 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR30 550rpm Semi-Hydraulic Two-Diaphragm Pump								
AR30-SP	36.2	9.6	40	580	2.9	550	22	\$986.38
AR30D-SP	36.2	9.6	40	580	2.9	550	22	\$986.38
AR30-SP/A3/4	36.2	9.6	40	580	2.9	550	22	\$1,099.90
AR30-GR3/4-GCI	36.2	9.6	40	580	2.9	550	32	\$1,851.53
AR30D-GR3/4-GCI	36.2	9.6	40	580	2.9	550	32	\$1,851.53
AR30-CR3/4-GCI *	36.2	9.6	40	580	2.9	550	34	\$1,851.53
AR30 EM230-1 550rpm Semi-Hydraulic Two-Diaphragm Pump								
AR30-EM230-1	36.2	9.6	27	400	3.5	550	87	\$3,148.86
AR30-EM230/460-3	36.2	9.6	27	400	3.5	550	87	\$2,922.77

GCI - Pump with a mounted GIC40 control unit: 1/2" outlet, 3/4" bypass

AR30D - Versions have Desmopan diaphragms

*Comes with AR1666 Gearbox



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43285	BlueFlex™	\$84.25
AR43283	Desmopan	\$76.77
AR43282	Buna	\$78.83

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1917	Valves	\$162.18

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR1916	O-Rings	\$14.85



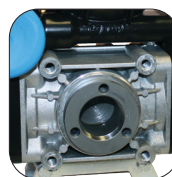
AR40

MEDIUM PRESSURE PUMP



Medium Pressure

140° F - Max Water Temp
1-1/4" - Inlet
1/2" Hose Barb - Outlet



SP Version
Flanged shaft for
shaft kits.



GR3/4-GCI Version
Gear Reduction AR1636 with
3/4" Hollow Shaft and GIC40
Control Unit.







SP/A3/4 Version
SP Version with 3/4"
Solid Keyed Thru Shaft.



Hydraulic Flange Kit AR43397.
AR30, AR40 (SP Models Only).
Fits SAE 2-bolt A Flange
Motors with 1" Shaft.

Plastic Coated Aluminum

MOD	 MAX		 MAX			 NET	LIST PRICE	
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR40 550rpm Semi-Hydraulic Two-Diaphragm Pump								
AR40-SP	46.3	12.2	40	580	3.5	550	22	\$1,151.69
AR40-SP/A3/4	46.3	12.2	40	580	3.5	550	22	\$1,265.21
AR40-GR3/4-GCI	46.3	12.2	40	580	3.5	550	32	\$2,016.84
AR40-CR3/4-GCI *	46.3	12.2	40	580	3.5	550	34	\$2,016.84

GCI - Pump with a mounted GIC40 control unit: 1/2" outlet, 3/4" bypass
*Comes with AR1666 Gearbox



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43285	BlueFlex™	\$84.25
AR43283	NBR	\$76.77
AR43282	Desmopan	\$78.83

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1917	Valves	\$162.18

OIL

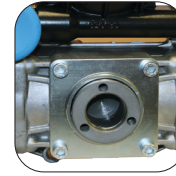
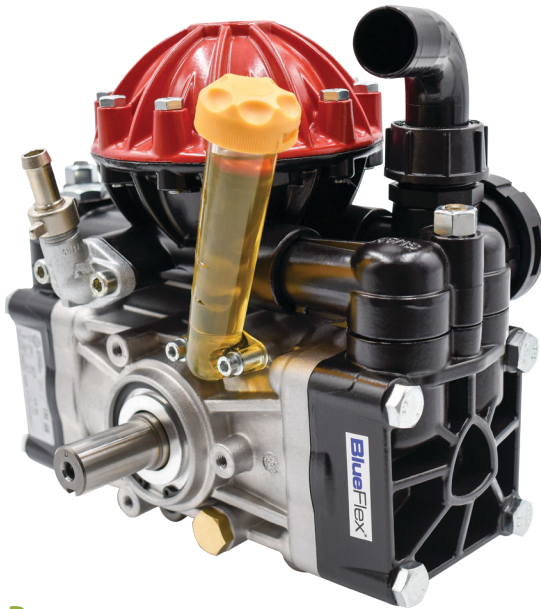
MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

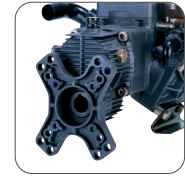
MOD	DESCRIPTION	LIST PRICE
AR1916	O-Rings	\$14.85

AR50

MEDIUM PRESSURE PUMP



SP Version
Flanged shaft for
shaft kits.



GR1-GCI Version
Gearbox AR1639 with 1"
Hollow Shaft and GIC40
Control Unit.



SP/A1 Version
SP Version with Solid
25mm Keyed Thru Shaft.










Hydraulic Flange Kit AR43397.
AR50 (SP Models Only).
Fits SAE 2-bolt A Flange
Motors with 1" Shaft.

Medium Pressure

140° F - Max Water Temp
1-1/4" - Inlet
1/2" NPT - Outlet

Plastic Coated Aluminum

MOD	 MAX	 MAX	 MAX	 MAX	 MAX	 MAX	 NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR50 550rpm Semi-Hydraulic Two-Diaphragm Pump								
AR50-SP	65.8	14.8	40	580	5.2	550	39.3	\$1,724.79
AR50D-SP	65.8	14.8	40	580	5.2	550	39.3	\$1,724.79
AR50-SP/A1 (25mm thru shaft)	65.8	14.8	40	580	5.2	550	37	\$1,879.08
AR50-GR1-GCI	65.8	14.8	40	580	5.2	550	48	\$2,341.19
AR50D-GR1-GCI	65.8	14.8	40	580	5.2	550	48	\$2,341.19
AR50-GR3/4-GCI	65.8	14.8	40	580	5.2	550	48	\$2,341.19
AR50-CR3/4-GCI *	65.8	14.8	40	580	5.2	550	50	\$2,340.86
AR50-CR1-GCI **	65.8	14.8	40	580	5.2	550	50	\$2,340.86



GCI - Pump with a mounted GIC40 control unit: 1/2" outlet, 3/4" bypass
AR50D - Versions have Desmopan diaphragms.
*Comes with AR1666 Gearbox
**Comes with AR33261 Gearbox

DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43293	BlueFlex™	\$87.87
AR43291	Desmopan	\$83.47
AR43290	Buna	\$81.14

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1920	Valves	\$166.17

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR1919	O-Rings	\$27.66



AR303 | AR403

MEDIUM PRESSURE PUMP



Medium Pressure

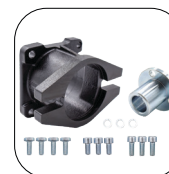
140° F - Max Water Temp
1" - Inlet
1/2" NPT - Outlet



SP Version
Flanged shaft for
shaft kits.







GR3/4-GCI Version
Gear Reduction AR1636 with
3/4" Hollow Shaft and GR40
Control Unit.



Hydraulic Flange Kit AR43397.
AR303, AR403 (SP Models
Only). Fits SAE 2-bolt A Flange
Motors with 1" Shaft.

Anodized Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR303 / AR403 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR303-SP	34.7	9.2	40	580	3.1	550	23	\$1,267.42
AR303-GR3/4-GCI	34.7	9.2	40	580	3.1	550	34	\$1,851.53
AR303-CR3/4-GCI *	34.7	9.2	40	580	3.1	550	35	\$1,851.53
AR403-SP	40.5	10.7	40	580	3.7	550	23	\$1,294.97
AR403-GR3/4-GCI	40.5	10.7	40	580	3.7	550	34	\$1,846.02
AR403-CR3/4-GCI *	40.5	10.7	40	580	3.7	550	35	\$1,846.02

GCI - Pump with a mounted control unit, GR40 Control Unit 1/2" outlet, 3/4" bypass

* Comes with AR1666 Gearbox



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43289	BlueFlex™	\$75.73
AR43287	Desmopan	\$75.21
AR43286	NBR	\$70.56

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2388	Valves	\$175.74

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2389	O-Rings	\$21.74

AR503

MEDIUM PRESSURE PUMP



Medium Pressure

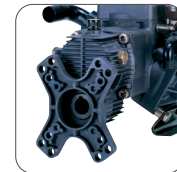
140° F - Max Water Temp
1-1/4" - Inlet
3/4" NPT - Outlet



SP Version
Flanged Shaft for Shaft
Kits, Gearboxes, and
Hydraulic Flanges.



GR3/4-GCI Version
Gear Reduction AR1636
with 3/4" Hollow Shaft,
RM40 Control Unit.



GR1-GCI/A1 Version
Gear Reduction AR1639
with 1" Hollow Shaft,
RM40 Control Unit and
25mm Solid Keyed
Thru Shaft.










Hydraulic Flange Kit
AR43397.
AR503 (SP Models Only).
Fits SAE 2-bolt A Flange
Motors with 1" Shaft.



AR43390
1" straight keyed shaft
with bolts.

Anodized Aluminum

MOD	 MAX l/min	 MAX gpm	 MAX bar	 MAX psi	 MAX hp	 MAX rpm	 NET lbs	LIST PRICE
								\$
AR503 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR503-SP	54.1	14.3	40	580	5.6	550	28	\$1,669.68
AR503-GR3/4-GCI	54.1	14.3	40	580	5.6	550	40	\$2,771.78
AR503-GR1-GCI	54.1	14.3	40	580	5.6	550	40	\$2,887.50
AR503-GR3/4-GCI/A1 (25mm thru)	54.1	14.3	40	580	5.6	550	42	\$2,771.78
AR503-GR1-GCI/A1 (25mm thru)	54.1	14.3	40	580	5.6	550	42	\$2,887.50
AR503-AP-C/SP+PC-SGC * (25mm thru)	54.1	14.3	40	580	5.6	550	28	\$1,862.05
AR503-CR3/4-GCI **	54.1	14.3	40	580	5.6	550	41	\$2,771.78
AR503-CR1-GCI ***	54.1	14.3	40	580	5.6	550	41	\$2,887.50

GCI - Pump with a mounted control unit, RM40 Control Unit, 1/2" outlet, 3/4" bypass

* w/6 Spline Adapter

** Comes with AR1666 Gearbox

*** Comes with AR33261 Gearbox

DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43297	BlueFlex™	\$125.09
AR43295	Desmopan	\$115.27
AR43294	NBR	\$82.18

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1987	Valves	\$220.19

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR1984	O-Rings	\$67.97





GEARBOXES

New and Improved AR1666

- Gearbox for 5.5-6.5 HP Gas Engines
- Eliminates gas engine shaft and key wear
- Easy to service
- Runs cooler for longer life
- Mounts all medium pressure diaphragm pumps to gas engines with 3/4" shaft

LIST
PRICE

\$749.43

Applicable Medium Pressure Diaphragm Pumps

- AR30
- AR40
- AR50
- AR303
- AR403
- AR503



AR33261 Gearbox

- 1" Gear reduction
- Gearbox for 8-20 HP Gas Engines
- Eliminates gas engine shaft and key wear
- Easy to service
- Runs cooler for longer life
- Mounts medium and high pressure diaphragm pumps to gas engines with 1" shaft

LIST
PRICE

\$1,039.82

Applicable Medium and High Pressure Diaphragm Pumps

- AR50
- AR503
- AR813
- AR1053
- AR1064
- AR1203



APPLICATION KITS

MEDIUM PRESSURE



Gearbox Kit AR1639: 1" 8-18 HP Gas Engines

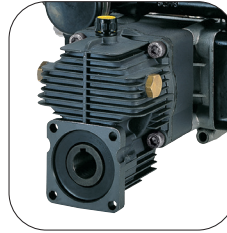
\$823.93



Gearbox for four stroke engines with SAE J609a flange

Gearbox Kit AR1636: 3/4" for 5-6HP Gas Engine

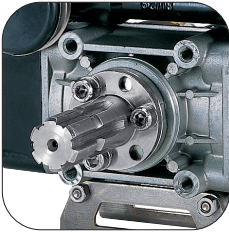
\$749.43



Gearbox for four stroke engines with SAE J609a flange

Shaft Kit AR43393: 1-3/8" 6 Male Spline

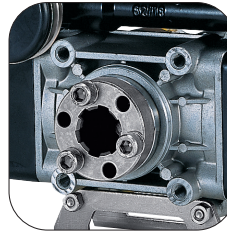
\$201.58



1-3/8" universal shaft

Shaft Kit AR43394: 1-3/8" 6 Female Spline

\$146.51



1-3/8" female

Shaft Kit AR43389: 1" Male Solid Keyed Shaft



Kit includes a male PTO shaft adapter, mounting bracket and necessary hardware.

Shaft Kit: 1-3/8" Female PTO Shaft Kit AR1704

\$284.24



For model AR30, AR50

AR43387 For Models: AR30

\$131.98

AR43388 For Models: AR50

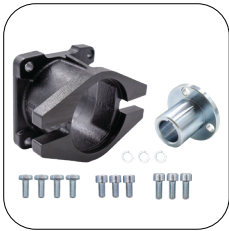
\$150.08

AR43390 For Models: AR503, AR303, AR403

\$112.53

Hydraulic Motor Flange Kit AR43397

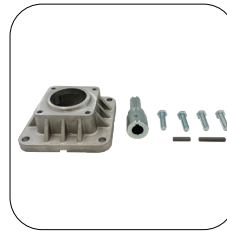
\$358.98



*For models AR30, AR50, AR303, AR403, AR503 (SP Models Only)
Fits SAE 2-bolt A Flange Motors with 1" Shaft*

Electric Motor Flange & Coupler Kit AR46717

\$636.47



56C Electric Motor Flange and Coupler Kit for GR3/4 and CR3/4 models.

Pulley Kits



Pulley

Kit Appl. P AR1504 11" 2A

\$199.04

Kit Appl. P AR1495 12.2" 2A

\$236.07

Kit Appl. P AR1520 12.2" 3A

\$245.33



CONTROL UNITS




MEDIUM PRESSURE

GR 20 S

AR252, AR303, AR403
140° F Max Temperature
5/8" - Bypass
3/8" - Outlet



Remote control unit with working pressure regulating valve, by-pass control lever and glycerin filled pressure gauge with colored dial.

MOD				LIST PRICE	
	l/min	gpm	bar	psi	lbs
GR 20 S Control Unit					
GR20S	40	10.6	20	290	2.6
					\$264.50




GI 30

AR252
140° F Max Temperature
3/4" - Bypass
3/8" - Outlet



Control unit with working pressure regulating valve and glycerin filled pressure gauge with colored dial.

Order hose barb and bolt kit 973"l" separately.

MOD				LIST PRICE	
	l/min	gpm	bar	psi	lbs
GI 30 Control Unit					
GI30	80	21.1	30	435	2.6
					\$270.01

AR1912 / AR1990

AR202, AR252
140° F Max Temperature
5/8" - Bypass
3/8" - Outlet






AR1912-KIT



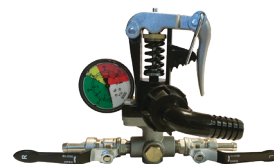
AR1990-KIT

Control unit with working pressure regulating valve and bypass control lever. Kit versions include mounting hardware.

MOD				LIST PRICE	
	l/min	gpm	bar	psi	lbs
AR1912 / AR1990 Remote Control Unit					
AR1912-KIT	25	6.6	25	360	1.0
					\$162.82
AR1990-KIT	25	6.6	25	360	1.0
					\$169.02




GI 40 / GIC 40

AR30, AR50, AR303, AR403, AR503
140° F Max Temperature
3/4" - Bypass
1/2" - Outlet



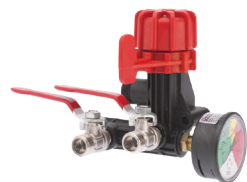
Control unit with working pressure regulating valve and glycerin filled pressure gauge with colored dial.

GIC40 includes Cataphoresis coated valve body and ceramic relief valve seat. Remote kit 980 S for AR30, 40, 50, 303, 403. Remote kit 982 S for AR503. If converting from GR, will need AR450145 outlet flange and AR110130 1/2" barb.

MOD				LIST PRICE	
	l/min	gpm	bar	psi	lbs
GI 40 / GIC 40 Control Unit					
GI40	80	21.1	40	580	3.5
					\$286.55
GIC40	80	21.1	40	580	3.5
					\$286.55




GR 40

AR303, AR403, AR503
140° F Max Temperature
3/4" - Bypass
3/8" - Outlet



Control unit with working pressure regulating valve, by-pass control lever and glycerin filled pressure gauge with colored dial.

Order hose barb and bolt kit 976"l" and remote mount kit 983"S" separately.

MOD				LIST PRICE	
	l/min	gpm	bar	psi	lbs
GR 40 Control Unit					
GR40	40	10.6	40	580	2.6
					\$214.91
GR40-PKG*	40	10.6	40	580	2.6
					\$230.56
Lesco Configurations Standard on Model AR403-GR3/4-GCI					
AR33082	40	10.6	40	580	2.6
					\$486.03

*Includes hose barbs and hardware




RM 40

AR503, AR30, AR50
140° F Max Temperature
3/4" - Bypass
3/8" - Outlet



Control unit with working pressure regulating valve, by-pass control and glycerin filled pressure gauge with colored dial.

Order hose barb and bolt kit 977"l" and remote mount kit 983"S" separately.

MOD				LIST PRICE	
	l/min	gpm	bar	psi	lbs
RM 40 Remote Control Unit					
RM40S	80	21.1	40	580	3.5
					\$352.67
RM40-PKG*	80	21.1	40	580	3.5
					\$380.40

*Includes hose barbs and hardware



BlueFlex

ASINCHI REVERBERI		EAT	
MAX		BHS 200	
psi	gpm	Code 31774	
125	48.5	Rev. 2008 (00. 040. 00)	

HIGH PRESSURE PUMPS

AR813

AR1053

AR1203

AR1064

AR1604

BHA130

BHA150

BHA170

BHA200

BHP130

BHP150

BHP170

BHP200

BHS90

BHS105

BHS120

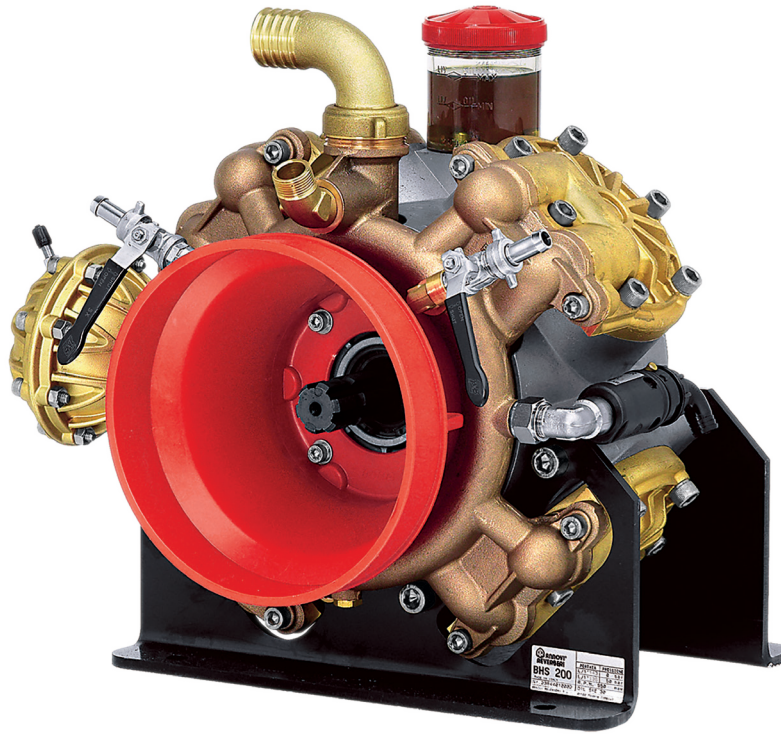
BHS130

BHS150

BHS170

BHS200

APPLICATION KITS
CONTROL UNITS



APPLICATIONS

Agriculture

Tree Spraying

Orchard Spraying

Cleaning

AR813

HIGH PRESSURE PUMP



C/C Version
1-3/8" 6 Splined PTO
Thru Shaft.



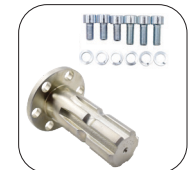
C/SP Version
1-3/8" Splined Shaft and
Flange for Shaft kits.



GR-CPC-GCI Version
Gear Reduction AR1639
with 1" Hollow Shaft, VDR50
Control Unit and 1-3/8"
Splined Thru Shaft.



Hydraulic Motor Flange
Kit AR43397. For models
AR813 (SP Models Only).
Fits SAE 2-bolt A Flange
Motors with 1" Shaft.







1-3/8" Universal PTO
Shaft Kit for -SP Models
AR43393.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Anodized Aluminum

MOD	 MAX		 MAX				 NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR813 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR813-C/C	79.9	21.1	50	725	9.8	550	50	\$2,132.56
AR813-C/SP	79.9	21.1	50	725	9.8	550	49	\$2,160.12
AR813-GR-CPC-GCI	79.9	21.1	50	725	9.8	550	65	\$3,388.96
AR813-CR1-GCI (AR33261 Gearbox)	79.9	21.1	50	725	9.8	550	52	\$3,314.01

GCI - Pump with a mounted VDR50 control unit: 1/2" outlet, 3/4" bypass



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43301	BlueFlex™	\$144.21
AR43299	Desmopan	\$123.54
AR43298	NBR	\$114.48
AR43300	Viton	\$581.50

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1963	Valves	\$217.34

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43018 (AR713)	O-Rings	\$57.90
AR43020 (AR813)	O-Rings	\$60.99

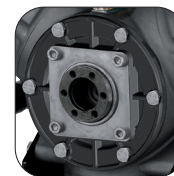


AR1053 | AR1203

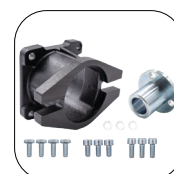
HIGH PRESSURE PUMP



C/C Version
1-3/8" Splined
Thru Shaft.



C/SP Version
1-3/8" Splined Shaft and
Flange for Shaft kits.







Hydraulic Motor Flange Kit
AR43397. For models AR1053,
1203(SP Models Only). Fits SAE
2-bolt A Flange Motors with
1" Shaft.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Anodized Aluminum

MOD	 MAX		 MAX		 MAX		 NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR1053 / AR1203 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR1053-C/C	102.4	27.1	50	725	12.1	550	75	\$2,733.21
AR1053-C/SP	102.4	27.1	50	725	12.1	550	76	\$2,777.29
AR1053-CR1 *	102.4	27.1	50	725	12.1	550	75	\$3,762.59
AR1203-C/C	115.8	30.6	50	725	13.6	550	75	\$2,870.97
AR1203-C/SP	115.8	30.6	50	725	13.6	550	76	\$2,915.05
AR1203-CR1 *	115.8	30.6	50	725	13.6	550	78	\$3,762.59

* Comes with AR33261 Gearbox



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43309	BlueFlex™	\$153.51
AR43307	Desmopan	\$118.37
AR43306	NBR	\$118.37
AR43308	Viton	\$1,013.10

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR42200	Valves	\$249.14

OIL

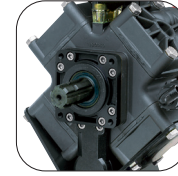
MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

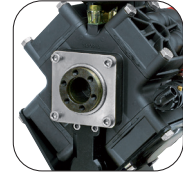
MOD	DESCRIPTION	LIST PRICE
AR42201	O-Rings	\$38.77

AR1064

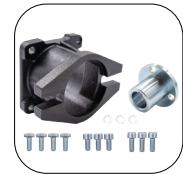
HIGH PRESSURE PUMP



C/C Version
1-3/8" 6 Splined
Thru Shaft.



C/SP Version
1-3/8" Splined Shaft and
Flange for Shaft kits.







Hydraulic Motor Flange Kit
AR43397. For models AR1064
(SP Models Only). Fits SAE
2-bolt A Flange Motors
with 1" Shaft.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSP/GAS - Outlet

Anodized Aluminum

MOD	 MAX		 MAX			 NET	LIST PRICE	
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR1064 550rpm Semi-Hydraulic Four-Diaphragm Pump								
AR1064-C/C	108.5	28.7	50	725	13.1	550	51.8	\$2,386.05
AR1064-C/SP	108.5	28.7	50	725	13.1	550	58	\$2,408.09
AR1064-GR1-GCI	108.5	28.7	50	725	13.1	550	72	\$3,468.31
AR1064-SP-GCI	108.5	28.7	50	725	13.1	550	66	\$3,036.29
AR1064-CR1-GCI *	108.5	28.7	50	725	13.1	550	74	\$3,468.31

GCI - Pump with a mounted control unit, VDR50 Control Unit, 1/2" outlet, 3/4" bypass

* Comes with AR33261 Gearbox



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43305	BlueFlex™	\$216.05
AR43303	Desmopan	\$148.34
AR43302	NBR	\$136.46
AR43304	Viton	\$757.25

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR1964	Valves	\$287.38

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR43022	O-Rings	\$60.47



AR1604

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Anodized Aluminum

MOD	 MAX		 MAX				 NET	LIST PRICE
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
AR1604 550rpm Semi-Hydraulic Three-Diaphragm Pump								
AR1604-C/C	153	40.4	50	725	18.6	550	87	\$3,388.96



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43313	BlueFlex™	\$216.05
AR43311	Desmopan	\$144.48
AR43310	NBR	\$145.25
AR43312	Viton	\$1,287.05

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR42941	Valves	\$317.89

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR42942	O-Rings	\$31.79

BHA130 | BHA150

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.



High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Anodized Aluminum

MOD	 MAX		 MAX			 NET	LIST PRICE	
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHA130 / BHA150 550rpm Semi-Hydraulic Four-Diaphragm Pump								
BHA130-C/C	127.5	33.7	50	725	14.5	550	93	\$3,499.17
BHA150-C/C	142.6	37.7	50	725	16.3	550	93	\$3,829.80



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43320	BlueFlex™	\$179.11
AR43319	Desmopan	\$184.79
AR43318	NBR	\$136.98

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2445	Valves	\$304.45

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2446	O-Rings	\$37.21



BHA170 | BHA200

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSP/GAS - Outlet

Anodized Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHA170/ BHA200 550rpm Semi-Hydraulic Four-Diaphragm Pump								
BHA170-C/C	160.4	42.4	50	725	19.3	550	115	\$4,287.17
BHA200-C/C	193.7	51.2	50	725	22.1	550	115	\$4,959.45



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43323	BlueFlex™	\$233.12
AR43322	Desmopan	\$303.19
AR43321	NBR	\$222.95

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2374	Valves	\$412.47

O-RING KITS

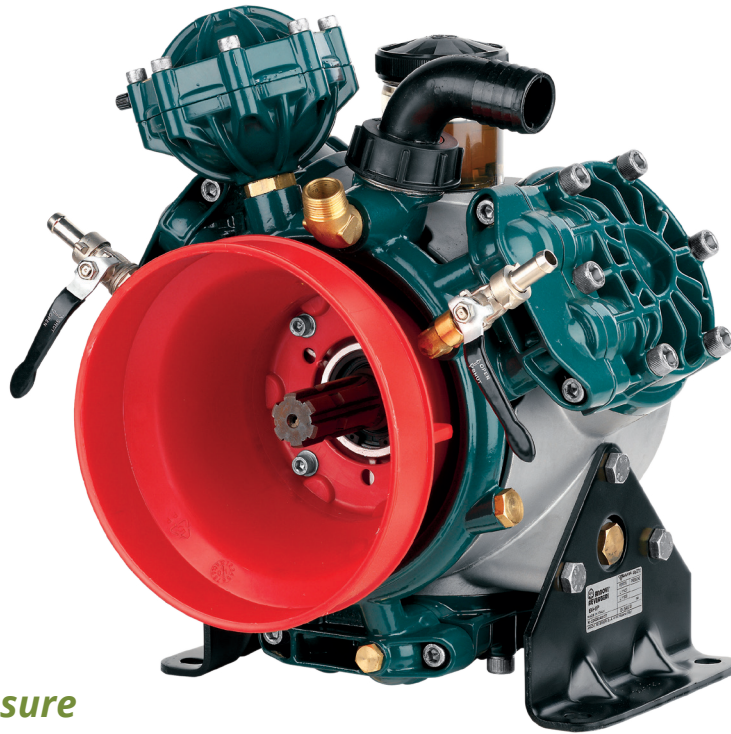
MOD	DESCRIPTION	LIST PRICE
AR2457	O-Rings	\$41.87

BHP130 | BHP150

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.



High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Plastic Coated Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHP130 / BHP150 550rpm Semi-Hydraulic Three-Diaphragm Pump								
BHP130-C/C	127.5	33.7	50	725	14.5	550	94	\$3,636.93
BHP150-C/C	142.6	37.7	50	725	16.3	550	94	\$3,967.56



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43320	BlueFlex™	\$179.11
AR43319	Desmopan	\$184.79
AR43318	NBR	\$136.98

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2445	Valves	\$304.45

O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR2446	O-Rings	\$37.21



BHP170 | BHP200

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Plastic Coated Aluminum

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHA170/ BHA200 550rpm Semi-Hydraulic Four-Diaphragm Pump								
BHP170-C/C	160.4	42.4	50	725	19.3	550	115	\$4,810.67
BHP200-C/C	193.7	51.2	50	725	22.1	550	115	\$5,141.30



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43323	BlueFlex™	\$233.12
AR43322	Desmopan	\$303.19
AR43321	NBR	\$222.95

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2374	Valves	\$412.47

O-RING KITS

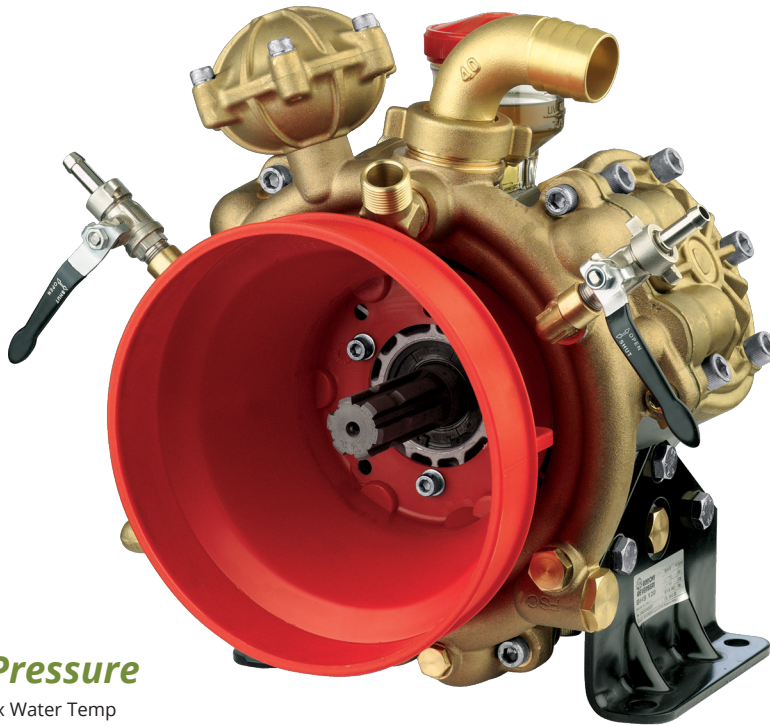
MOD	DESCRIPTION	LIST PRICE
AR2457	O-Rings	\$41.87

BHS90 | BHS105 BHS120

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.



High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Brass

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHS90 / BHS105 / BHS120 550rpm Semi-Hydraulic Four-Diaphragm Pump								
BHS90-C/C	90.6	23.9	50	725	10.5	550	100	\$4,160.43
BHS105-C/C	101.9	26.9	50	725	12.0	550	100	\$4,491.06
BHS120-C/C	113.0	29.8	50	725	13.3	550	100	\$4,661.88



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43317	BlueFlex™	\$153.51
AR43315	Desmopan	\$116.81
AR43314	NBR	\$116.81
AR43316	Viton	\$982.08

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2445	Valves	\$304.45

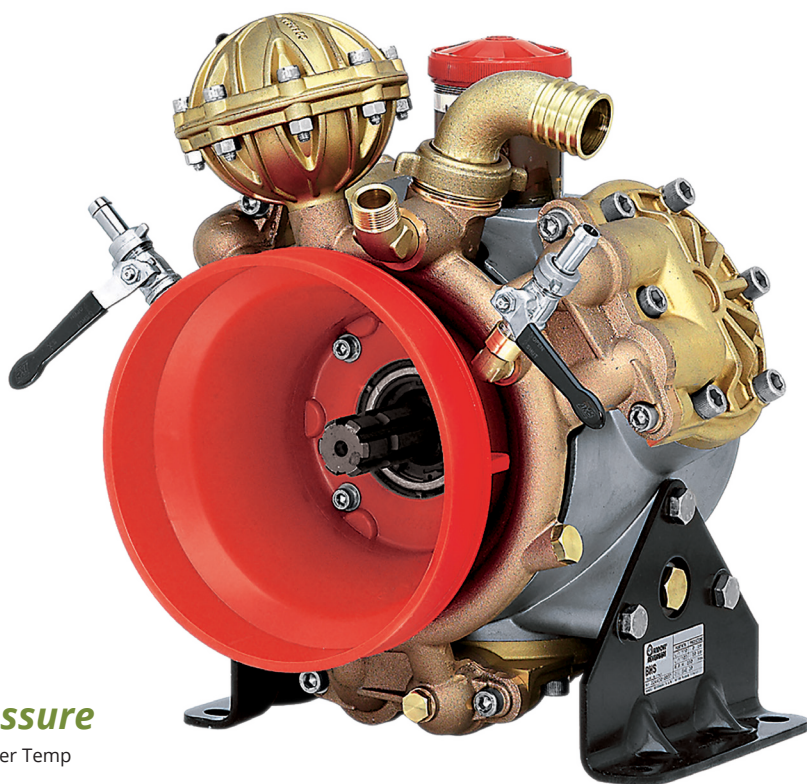
O-RING KITS

MOD	DESCRIPTION	LIST PRICE
AR42205	O-Rings	\$33.86



BHS130 | BHS150

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.

High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Brass

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHS130/ BHS150 550rpm Semi-Hydraulic Three-Diaphragm Pump								
BHS130-C/C	127.5	33.7	50	725	14.5	550	124	\$4,904.35
BHS150-C/C	142.6	37.7	50	725	16.3	550	124	\$5,025.58



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43320	BlueFlex™	\$179.11
AR43319	Desmopan	\$184.79
AR43318	NBR	\$136.98

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2445	Valves	\$304.45

O-RING KITS

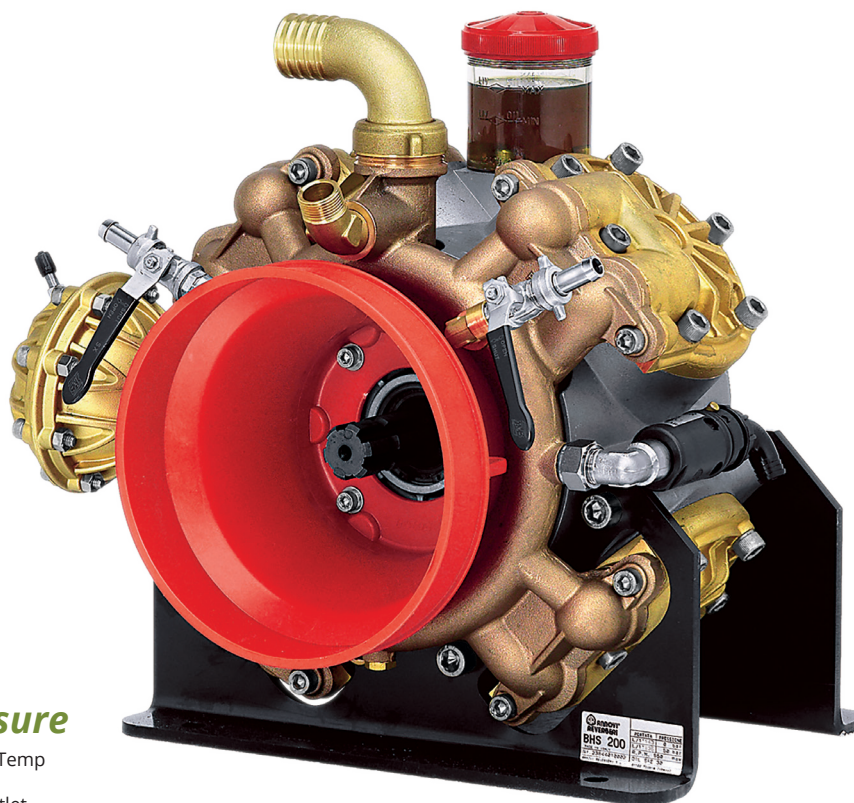
MOD	DESCRIPTION	LIST PRICE
AR2446	O-Rings	\$37.21

BHS170 | BHS200

HIGH PRESSURE PUMP







C/C Version
1-3/8" 6 Splined
Thru Shaft.



High Pressure

140° F - Max Water Temp
1-1/2" - Inlet
3/4" BSPP/GAS - Outlet

Brass

MOD	 MAX	 MAX		 NET	LIST PRICE			
	l/min	gpm	bar	psi	hp	rpm	lbs	\$
BHS170 / BHS200 550rpm Semi-Hydraulic Four-Diaphragm Pump								
BHS170-C/C	160.4	42.4	50	725	19.3	550	153	\$5,896.24
BHS200-C/C	193.7	51.2	50	725	22.1	550	153	\$6,276.46



DIAPHRAGM KITS

MOD	DESCRIPTION	LIST PRICE
AR43323	BlueFlex™	\$233.12
AR43322	Desmopan	\$303.19
AR43321	NBR	\$222.95

OIL

MOD	DESCRIPTION	LIST PRICE
AR64532D	Oil	\$17.09
AR64532D-C	Case (6) Oil	\$99.19

VALVE KITS

MOD	DESCRIPTION	LIST PRICE
AR2374	Valves	\$412.47

O-RING KITS

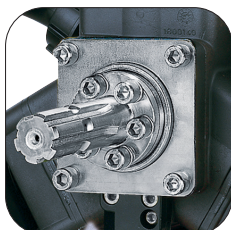
MOD	DESCRIPTION	LIST PRICE
AR2457	O-Rings	\$41.87



APPLICATION KITS

HIGH PRESSURE

Shaft Kit AR43393: 1-3/8" - 6 Male Spline \$201.58



1-3/8" universal shaft

For Models: AR813, AR1064, AR1053, AR1203 and AR1604

Shaft Kit AR43394: 1-3/8" - 6 Female Spline \$146.51



1-3/8" female

Pulley Kits



Pulley

Kit Appl.P	AR1516	12.2"	3A	For Models: AR813	\$245.33
Kit Appl.P	AR1520	12.2"	3A	For Models: AR1064	\$245.33

Shaft Kit AR43391: 1" Male Solid Keyed Shaft \$117.60



For models: AR813, AR1064, and AR1265

Kit includes a male PTO shaft adapter, mounting bracket and necessary hardware.

Gearbox Kit AR1639: 1" 8-18HP Gas Engine \$823.93



Gearbox for four stroke engines with SAE J609a flange with 1" shaft

Hydraulic Motor Flange Kit AR43397 \$358.98



For models AR813, AR1053, AR1203, AR1064 (SP Models Only)

Fits SAE 2-bolt A Flange Motors with 1" Shaft

Gearbox Kit AR33261 \$1,039.82



New style gearbox for four stroke engines with SAE J609a flange with 1" shaft

CONTROL UNITS






VDR 50

BHA-BHP130, BHS90-105-120
AR503, AR30, AR50, AR813, AR1064
AR1053, AR1203
140° F Max Temperature
3/4" NPT - Inlet
3/4" - Bypass
3/8" - Outlet



Control unit with working pressure regulating valve, by-pass opening/closing control lever and glycerin filled pressure gauge with colored dial.

MOD				LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
VDR 50 Control Unit - Aluminum						
VDR50	130	34.3	50	725	4.9	\$628.20
VDR50-PKG*	130	34.3	50	725	4.9	\$703.44




*Includes hose barbs and hardware

BY MATIC 50

BHA-BHP130-150-170-200
AR813, AR1064, AR1053, AR1604
140° F Max Temperature
3/4" GAS - Inlet
1" - Bypass
1/2" - Outlet



Control unit with working pressure regulating valve, single lever for partial or total closure and discharge, and glycerin filled pressure gauge with colored dial.




MOD				LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
BY MATIC 50 Control Unit - Aluminum						
MATIC50	200	52.8	50	725	6	\$716.37

BMH 50

BHA-BHP130-150-170-200
BHS90-105-120-130
BHS150-170-200
AR813, AR1064,
AR1053, AR1203, AR1604
140° F Max Temperature
3/4" GAS - Inlet
1" - Bypass
1/2" - Outlet



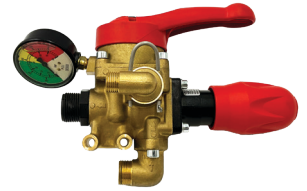
Brass and Aluminum control unit with working pressure regulating valve, single lever for partial or total closure and discharge, and glycerin filled pressure gauge with colored dial.

MOD	 MAX	 MAX	 lb NET	LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
BMH 50 Control Unit - Aluminum/Brass						
BMH50	200	52.8	50	725	6.8	\$799.02




HIGH PRESSURE

BMS 50

BHS90-105-120-130
BHS150-170-200
140° F Max Temperature
3/4" GAS - Inlet
1" - Bypass
1/2" - Outlet



Brass control unit with working pressure regulating valve, single lever for partial or total closure and discharge, and glycerin filled pressure gauge with colored dial.

MOD				LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
BMS 50 Control Unit - Brass						
BMS50	300	52.8	50	725	11	\$953.32




GH 50 / GI 50

BHA130-150-170-200
BHP130-150-170-200
BHS90-105-120-130
BHS150-170-200
140° F Max Temperature
3/4" GAS - Inlet
1" - Bypass
1/2" - Outlet



GH 50
GI 50 includes mounting manifold, gauge and outlet ball valve for AR813 - AR1064

Brass control unit with working pressure regulating valve, single lever for partial or total by-pass opening and closure, and glycerin filled pressure gauge with colored dial.




MOD	 MAX	 MAX	 lb NET	LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
GH 50 / GI 50 Control Unit - Brass						
GH50	200	52.8	50	725	8.4	\$562.07
GI50	200	52.8	50	725	9.5	\$456.49

VH 50

BHA-BHP130-150-170-200
BHS90-105-120-130
BHS150-170-200
AR813, AR1064
AR1053-1203-1604
140° F Max Temperature
3/4" GAS - Inlet
1" - Bypass
1/2" - Outlet

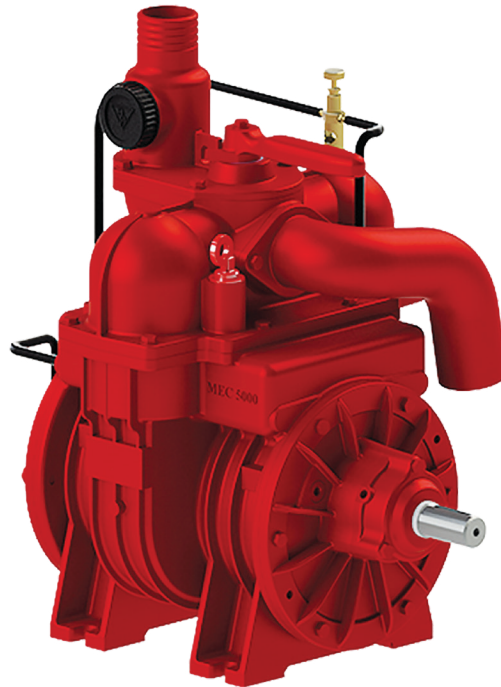


Brass control unit with working pressure regulating valve, and glycerin filled pressure gauge with colored dial.

MOD				LIST PRICE		
	l/min	gpm	bar	psi	lbs	\$
VH 50 Control Unit - Brass						
VH50	200	52.8	60	72.5	5.5	\$440.84

ROTARY VANE VACUUM PUMPS

MEC
MEC GAS ENGINE
BALLAST
FAN
KPS
TURNKEY SYSTEMS



Battioni Conversion Codes

Versions: M, P, D, H

LA or LF: Lubrication type

SX = CCW counter clockwise rotation

DX = CW clockwise rotation

UL = 2 ports with 2 revolving elbows

DU = 3 ports

D76 = Diameters of the elbows D76: 3"

D51 = Diameters of the elbows

LL = Long life vanes

STD = Standard vanes

EM

KTM - PFR = Driven through pulleys and belts, particularly for application on trucks

M - Driven through Cardan Shaft 540 rpm

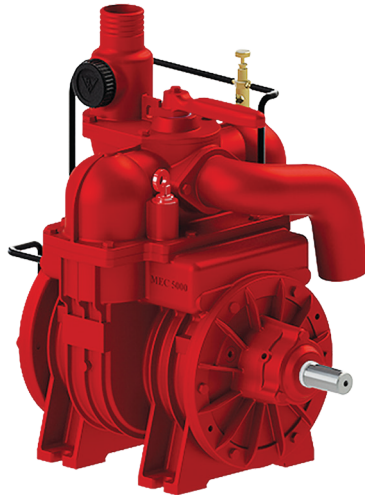
P - Driven through Pully or Belts

D - Driven through Cardan Shaft 1000 rpm (DFR)

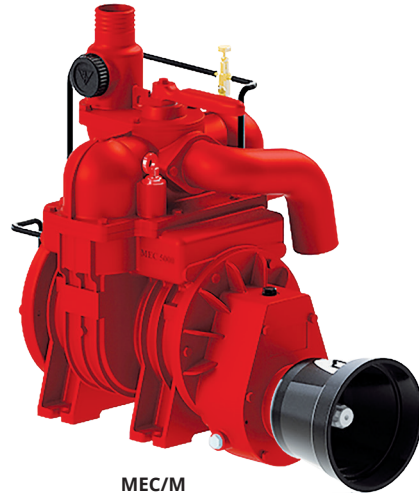
H - Driven through Hydraulic Motor (HFR)

AIR COOLING

ROTARY VANE VACUUM PUMP



MEC/P






MEC/M

MEC

600/1400 Max RPM
36.26 Max Absolute (relative) Pressure



MOD	CODE	 MAX		 MAX		GEOMETRIC CAPACITY	 NET	LIST PRICE
		l/min	cfm	rpm	psi	gpm	lbs	\$
MEC air cooling pump								
MEC2000	P LA DX UL D51 EM	2750	97	600/1400	36.26	726.47	165	Please Call
MEC2000SX	P LA SX UL D51 EM	2750	97	600/1400	36.26	726.47	165	Please Call
MEC4000	P LA DX UL D51 EM	4350	154	600/1400	36.26	1149.15	221	Please Call
MEC4000SX	P LA SX UL D51 EM	4350	154	600/1400	36.26	1149.15	221	Please Call
MEC4000LF	P FL DX UL D51 EM	4350	154	600/1400	36.26	1149.15	221	Please Call
MEC5000*	P LA DX UL D51 EM	6150	217	600/1400	36.26	1624.66	287	Please Call
MEC5000SX	P LA SX UL D51 EM	6150	217	600/1400	36.26	1624.66	287	Please Call
MEC5000MSX	M LF SX UL 76 STD	6150	217	600/1400	36.26	1624.66	287	Please Call
MEC6500*	P LA DX UL D76 EM	7000	247	600/1400	36.26	1849.2	326	Please Call
MEC6500SX	P LA SX UL D76 EM	7000	247	600/1400	36.26	1849.2	326	Please Call
MEC6500MSX	M LF SX UL 76 EM	7000	247	600/1400	36.26	1849.2	326	Please Call
MEC8000*	P LA DX UL D76 EM	8100	286	600/1400	36.26	2139.79	353	Please Call
MEC8000SX	P LA SX UL D76 EM	8100	286	600/1400	36.26	2139.79	353	Please Call
MEC8000MSX	M LF SX UL 76 EM	8100	286	600/1400	36.26	2139.79	353	Please Call

*Units come with the over pressure valve installed



KITS

MOD	DESCRIPTION	LIST PRICE
BP6010201064	MEC2000 LL KIT	Please Call
BP6010201061	MEC4000 LL KIT	Please Call
BP6010201058	MEC5000 LL KIT	Please Call
BP6010201006	MEC5000 STD KIT	Please Call

LL = Kevlar Vanes
STD = Standard Vane

KITS

MOD	DESCRIPTION	LIST PRICE
BP6010201059	MEC6500 LL KIT	Please Call
BP6010201007	MEC6500 STD KIT	Please Call
BP6010201060	MEC8000 LL KIT	Please Call
BP6010201008	MEC8000 STD KIT	Please Call

LL = Kevlar Vanes
STD = Standard Vane








AIR COOLING

ROTARY VANE VACUUM PUMP

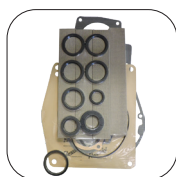
Ballast

600/1000 Max RPM
36.26 Max Absolute (relative) Pressure
-13.78 Vacuum without Depression Valve Fitted
-11.6 Vacuum with Depression Valve Fitted



MOD	CODE	 MAX	 MAX	 MAX	 MAX	 NET	LIST PRICE
		l/min	cfm	rpm	psi	lbs	\$
BALLAST Air Cooling Pump							
BALLAST 9000	P LA DX UL D76 EM	9,030	319	600 / 1000	36.26	320	Please Call
BALLAST 9000SX	P LA SX UL D76 EM	9,030	319	600 / 1000	36.26	320	Please Call
BALLAST 11000	P LA DX UL D76 EM	11,137	393	600 / 1000	36.26	353	Please Call
BALLAST 11000SX	P LA SX UL D76 EM	11,137	393	600 / 1000	36.26	353	Please Call
BALLAST13500	P LA DX UL D76 EM	13,845	489	600 / 1000	36.26	362	Please Call
BALLAST 16000	P LA DX UL D100 EM	15,210	537	600 / 1000	36.26	462	Please Call
BALLAST 16000SX	P LA SX UL D100 EM	15,210	537	600 / 1000	36.26	462	Please Call

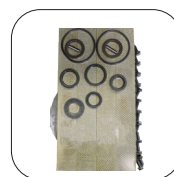
*Units come with the over pressure valve installed



Standard Vane Kit



Long Life Vane Kit



Kevlar® Long Life Vane Kit

*Standard and Long Life rebuilt kits include seals, gaskets, and vanes.

*Kevlar Long Life rebuilt kits include seals, gaskets, vanes, and bolts.

KITS

MOD	DESCRIPTION	LIST PRICE
BP6010201054	BALLAST9000 KIT	Please Call
BP6010201055	BALLAST11000 KIT	Please Call
BP6010201056	BALLAST13500 KIT	Please Call

SPECIALTY SERIES




ROTARY VANE VACUUM PUMP



MEC GAS

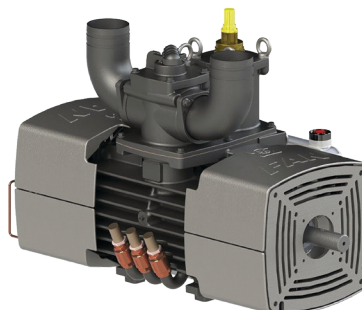
36.26 Max Absolute (relative) Pressure
MEC4000GE with Honda Gas Engine - GX390
MEC2000GE with Honda Gas Engine - GX270






MOD	CODE					POWER ABSORPTION MAX VACUUM		LIST PRICE
		MAX		MAX			NET	
		l/min	cfm	rpm	psi	hp	lbs	\$
MEC Air Cooling Gas Engine Pump								
MEC2000-GE	Gas Engine	2,750	97	600 / 1400	36.26	13.4	165	Please Call
MEC4000-GE	Gas Engine	4.350	154	600 / 1400	36.26	21.5	221	Please Call

FAN

Long Life Blades
Crash Protection
System Automatic Lubrication
External Side Oil Tank
Integrated Air Filter
Four (4) Way valve
Poppet Check valve
Available hoses connections: Ø76mm(3") / Ø100mm(4")

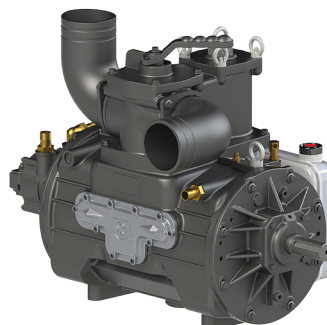


Units come with the over pressure valve installed




MOD	CODE					POWER ABSORPTION MAX VACUUM		LIST PRICE
		MAX		MAX			NET	
		l/min	cfm	rpm	psi	hp	lbs	\$
FAN Series pump								
FAN-B420	P UL D76	11,980	423	1,500	2.5 (36)	-	448	Please Call
FAN-B530	P UL D76	14,890	525	1,500	2.5 (36)	-	580	Please Call

KPS

Long Life Blades
Integrated Cooling Pump
Four(4) Way Valve
Automatic Lubrication by copper pipes
Side Outlets
Exhaust Elbows
Depression Valve 1-1/2"
Over Pressure Valves 2"



Units come with the over pressure valve installed

MOD	CODE	 MAX		 MAX		POWER ABSORPTION MAX VACUUM	 NET	LIST PRICE
		l/min	cfm	rpm	psi	hp	lbs	\$
KPS Series Pump								
KPS-B490	P LA DX UL D76	13520	477	1400	2.5 (36)	-	452	Please Call
KPS-B550	P LA DX UL D100	15270	539	1400	2.5 (36)	-	476	Please Call
KPS-B670	P LA DX UL D100	18620	657	1400	2.5 (36)	-	540	Please Call



TURNKEY SYSTEMS

ROTARY VANE VACUUM PUMP

Customer needs to provide Shaft Rotation:
SX = CCW
DX = CW

KPS

- Pump Drive Systems for applications that require stand alone apparatus
- Mount on a truck or a trailer and do not require a power take-off or other drive
- Ideal for portable service units
- Electric Start Honda Engines from 8-13HP
- Fully assembled on pump stand - your choice of pumps



MOD	CAPACITY	HP	LIST PRICE
	cfm		\$
Engine Drive Units - SX & DX Available			
MEC2000	90	7.4	Please Call
MEC4000	154	12.1	Please Call
MEC5000	217	14.8	Please Call
MEC6500	247	16.8	Please Call
MEC8000	286	16.9	Please Call

KPS

- Pump
- Right Angle Gearbox
- Auto Align Bracket
- Final Filter
- Secondary
- Muffler
- Vacuum Relief Valve
- Pressure Relief Valve
- Powder Coated Pump Stand



MOD	CAPACITY	COOLING TECH	LIST PRICE
	cfm		\$
Max Packs - SX & DX Available			
BALLAST9000	320	Ballast Port	Please Call
BALLAST11000	394	Ballast Port	Please Call
BALLAST13500	489	Ballast Port	Please Call
FAN420	423	Dual Fan	Please Call
KPS490	477	Liquid	Please Call

TURNKEY SYSTEMS

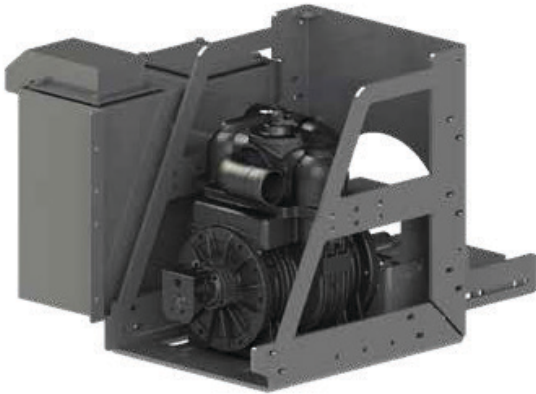
ROTARY VANE VACUUM PUMP



Customer needs to provide Shaft Rotation:

SX = CCW

DX = CW



KPS

- Pump
- Right Angle Gearbox
- Auto Align Bracket
- Pump Stand
- Oil Catch Muffler

MOD	CAPACITY	COOLING TECH	LIST PRICE
	cfm		\$

Muffler Packs - SX & DX Available

BALLAST9000	320	Ballast Port	Please Call
BALLAST11000	394	Ballast Port	Please Call
BALLAST13500	489	Ballast Port	Please Call
FAN420	423	Dual Fan	Please Call
KPS490	477	Liquid	Please Call



KPS

- Pump
- Gearbox
- Auto Align Bracket
- Pump Coupling

MOD	CAPACITY	COOLING TECH	LIST PRICE
	cfm		\$

Pump Stand - SX & DX Available

BALLAST9000	319	Ballast Port	Please Call
BALLAST11000	393	Ballast Port	Please Call
BALLAST13500	489	Ballast Port	Please Call



SYSTEM ACCESSORY COMPONENTS

DETAILED ACCESSORIES BREAKDOWN

ACCESSORIES P 68

Flowmeters	P 70-73
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Spray Gun Nozzles	P 82
Tank Lids, Basket Filters & Accessories	P 83-84
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Installation Tools	P 110
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Cam Lock Couplers	P 112-114
12V Diaphragm Pump	P 115
Wiring Harness	P 115
Hydraulic Driven Pressure Washers	P 115
Superex Clamps	P 116-120
Spiral Clamp & Whipcheck	P 121



ACCESSORIES

FLOWMETERS



a-e



f-j



k-p



q

MOD			MATERIAL	THREADED CONNECTION	LIST PRICE
	psi	gpm	mm	in	\$

Flowmeters Only

Magnetic Induction Flowmeters with no internal moving parts features advanced technology to accurately measure flow independent of viscosity and density. Suitable for all water based liquid chemicals. 12VDC Operation. Amp Super Seal 1.5 electrical plug.

a	AGFM377050*	700	0.26 - 3.9 GPM	Polypropylene	3/4" BSP M*	\$1,472.96
b	AGFM377052*	700	0.79 - 15.8 GPM	Polypropylene	3/4" BSP M*	\$1,402.82
c	AGFM377053*	700	2.6 - 52 GPM	Polypropylene	1" NPT M*	\$1,402.82
d	AGFM377055*	580	5.3 - 105 GPM	Polypropylene	1 1/2" NPT M*	\$1,618.44
e	AGFM377060*	290	11.8 - 237 GPM	Polypropylene	2" NPT M*	\$1,679.92

Flowmeters with Display

Magnetic Induction Flowmeters with no internal moving parts features advanced technology to accurately measure flow independent of viscosity and density. Suitable for all water based liquid chemicals. 12VDC Operation. Amp Super Seal 1.5 electrical plug.

f	AGFMM377050*	700	0.26 - 3.9 GPM	Polypropylene	3/4" NPT M*	\$1,402.82
g	AGFMM377052*	700	0.79 - 15.8 GPM	Polypropylene	3/4" NPT M*	\$1,402.82
h	AGFMM377053*	700	2.6 - 52 GPM	Polypropylene	1" NPT M*	\$1,402.82
i	AGFMM377055*	580	5.3 - 105 GPM	Polypropylene	1 1/2" NPT M*	\$1,541.36
j	AGFMM377060*	290	11.8 - 237 GPM	Polypropylene	2" NPT M*	\$1,679.92

Rapid Check Flowmeters

Rapid Check Flowmeters feature accurate flow measurement with ease of maintenance. Flowmeters are available in wide selection of sizes to meet customer requirements. **Note:** the magnetic sensors are sold separately, and are available in square wave, amplified square wave, sine wave, or hall effect models with a variety of electrical connectors. These flowmeters have ceramic supports.

k	AGFM78001-PKG (0.5" Hose Barb)**	290	0.8 - 7.9 GPM	Nylon	-	\$482.81
l	AGFM78051-PKG (0.75" Hose Barb)**	290	1.8 - 18 GPM	Nylon	-	\$483.17
m	AGFM75031-PKG (1" Hose Barb)**	290	2.6 - 26 GPM	Nylon	-	\$594.64
n	AGFM75252-PKG (1.25" Hose Barb)**	290	4.5 - 45 GPM	Nylon	-	\$597.07
o	AGFM75041-PKG (1.5" Hose Barb)**	290	9.3 - 92 GPM	Nylon	-	\$600.10
p	AGFM76008-PKG (2" Hose Barb)**	290	19.8 - 194 GPM	Nylon	-	\$789.29

Pro Flow 12V Magnetic Flowmeters with Programmable Stop

Pro-Flow 12V is a magnetic flow meter with a programmable automatic stop feature. When the programmed total flow is reached, the ball valve shuts off. A 12V output feature can be used to energize a solenoid to turn off the pump when the programmed amount of flow is reached.

q	AGPF379011.1-BF220	45	12 - 237 GPM	Nylon	220 Banjo Flange	\$3,697.55
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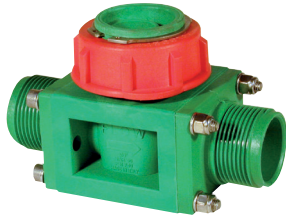
Accuracy + 1% within specified flow

*Other threaded and flanged connections are available. Consult Factory.

Electrical connections are available for all rate controllers. Consult Factory.

**Magnetic sensors sold separately.

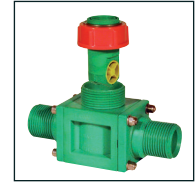
FLOWMETERS - RAPID CHECK



a-e



f-j



Removable Turbine Flowmeter

MOD			MATERIAL	CONNECTION	LIST PRICE
	psi	gpm	mm	in	\$

Feature Removable Turbine Flowmeter

The Rapid Check flowmeter series features ease of maintenance, while maintaining the precision of the standard turbine flowmeters. It is possible to simply unscrew the body to remove, check, and (if necessary) clean the axial flow turbine. Sensors sold separately.

a	AGFM5804.1	725	2.6-26.6	Nylon	3/4" NPT M	\$584.54
b	AGFM5804.2	725	2.6-26.6	Nylon	1" NPT M	\$584.54
c	AGFM6252.1	580	4.5-45	Nylon	1 1/2" NPT M	\$740.77
d	AGFM6204.1	580	9.2-92	Nylon	1 1/2" NPT M	\$740.77
e	AGFM6004.1	435	19.8-198	Nylon	2" NPT M	\$898.61
f	AGFM5804.4	725	2.6-26.6	Nylon	M100 Universal	\$584.54
g	AGFM6252.2	580	4.5-45	Nylon	M100 Universal	\$740.77
h	AGFM6204.2	580	9.2-92	Nylon	M100 Universal	\$740.77
i	AGFM6004.2	435	19.8-198	Nylon	M200 Universal	\$898.61
j	AGFM6008.1	290	19.8-198	Nylon	M220 Universal	\$748.34
k	AGFM5804.3	725	2.6-26.6	Nylon	TeeJet Flange	\$584.54
l	AGFM5238.1	290	2.6-26	Nylon	TeeJet	\$464.35

Accuracy + 1% within specified flow range.

*Other threaded and flanged connections are available. Consult Factory.

Electrical connections are available for all rate controllers. Consult Factory.



ACCESSORIES

FLOWMETERS



a



b



c

MOD	TYPE	WIRE LENGTH	CONNECTION	LIST PRICE
		ft		\$

Magnetic Sensors

Rugged and reliable non-contact magnetic sensors available in square wave, sine wave and hall effect versions. Optional connector styles and wire lengths available.

a	AGFMS41300399	Amplified Square Wave	6.5 Feet	Three Wire	\$244.18
b	AGFMS41300399.DUE	Amplified Square Wave	6.5 Feet	DEUTSCH	\$281.76
c	AGFMS41300399.2AM	Amplified Square Wave	6.5 Feet	SuperSeal 1.5	\$281.76



a-h

MOD			MATERIAL	CONNECTION	LIST PRICE
	psi	gpm	mm	in	\$

Stainless Steel Turbine Flowmeter w/Display

316 Stainless Steel Flow Meter with Stainless Steel Flow straighteners. Ceramic bearing supports. Suitable for measuring corrosive and abrasive liquid chemicals at high pressure, up to 850 PSI at + 1% accuracy.

a	AGFM0320	870	1.8-18	Stainless Steel	1" NPT (M)	\$979.77
b	AGFM0325	870	2.6-26	Stainless Steel	1 1/4" NPT (M)	\$1,055.24
c	AGFM0335	870	9.0-92	Stainless Steel	1 1/2" NPT (M)	\$1,253.85
d	AGFM0345	870	19.8-198	Stainless Steel	2" NPT (M)	\$1,675.89
e	AGFM0355	870	26-264	Stainless Steel	2 1/2" NPT (M)	\$2,031.02
f	AGFM0365	870	39-396	Stainless Steel	3" NPT (M)	\$2,424.62
g	AGFM0385	870	79-792	Stainless Steel	4" NPT (M)	\$3,652.68
h	AGFM0395	870	119-1190	Stainless Steel	5" NPT (M)	\$4,581.58

Accuracy + 1% within specified flow range
Display sold separately AGFMD9016.2



FLOWMETERS



a

MOD	DESCRIPTION	LIST PRICE
Pony Flow Display Programmable multilingual graphic display can indicate: Flow rate in different units (GPM, LPM) cumulative volume delivered (resettable), cumulative volume delivered (not resettable). It can be applied to all A/R turbine flowmeters. Maximum reading error: + 1%. Back lit display 9 Volts battery powered. Equipped with luminosity sensor to increase endurance and energy saving.		

a	AGFMD9016.2	Pony Flow 5 Display, 9V Operation, Rapid Check Flowmeters	\$901.59
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a

MOD	DESCRIPTION	LIST PRICE
Proximity Sensor		

a	AGFMS8899	Proximity Sensor, Square Wave, Three Wire 12V for mini flowmeter	\$244.18
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a-b

MOD	 psi	 gpm	SUPPORTS	HOSE BARBS INCLUDED	LIST PRICE
				in	\$

Mini Flowmeter

Radial turbine nylon flowmeter for low flow rates. Two versions are available depending on flow range required. Proximity sensor with LED light to indicate operation. 12VDC Operation. Accuracy is + 1%. Does not come with magnetic sensor shown. Order Magnetic sensors separately.

a	AGFM5702.1	290	0.08 - 1.58	Tungsten Carbide	3/8"	\$272.77
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b	AGFM5702.2	290	1.0 - 5.28	Tungsten Carbide	1/2"	\$272.77
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Accuracy + 1% within specified flow range



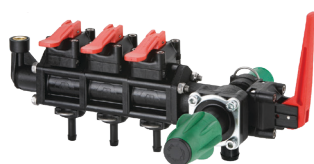
ACCESSORIES

ECONOMICAL MANUAL VALVES

AR Manual Valves are compact, easy to use sprayer controls. These valves are modular with 2, 3, 4 or 6 section valves, with optional relief valves, gauges, and on-off valves available.



a



b



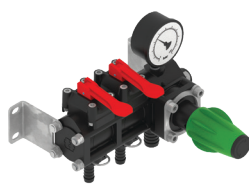
c



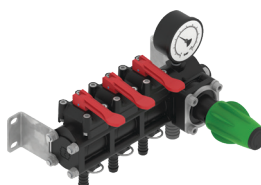
d



e





f



g



h

MOD	 MAX psi	 MAX gpm	INLET in	SECTION VALVES in	LIST PRICE \$
Economical Three Section Manual Sprayer Control					
a AG8374C0040	300	20	1/2" HB	(3) 1/2" HB	\$267.59
Three Section Boom Sprayer Control with Relief Valve and Main On-Off Valve					
b AG8511012	300	50	1" NPTF	(3) 1/2" HB	\$472.00
Three Section Boom Sprayer Control with Relief Valve, Self Cleaning Filter and Main On-Off Valve					
c AG8513011	300	50	1" NPTF	(3) 1/2" HB	\$536.93
Economical Two Section Manual Sprayer Control with Flow Control and Gauge					
d AG8372C0135	300	20	1/2" HB	(2) 1/2" HB	\$431.17
Economical Three Section Manual Sprayer Control with Flow Control and Gauge					
e AG8372C0136	300	20	1/2" HB	(3) 1/2" HB	\$493.51
Economical Two Section Manual Sprayer Control with Relief Valve and Gauge					
f AG8374C0052	300	20	1/2" HB	(2) 1/2" HB	\$459.57
Economical Three Section Manual Sprayer Control with Relief Valve and Gauge					
g AG8374C0053	300	20	1/2" HB	(3) 1/2" HB	\$536.74
Three Section Manual Sprayer Control with Metered Bypass, Proportional Valve and Main On-Off Valve					
h AG8376C0278	300	48	1" NPTF	(3) 3/4" HB	\$983.33



ELECTRIC VALVES

Electric modular valves for boom on/off control.





a



b



c

MOD	 MAX psi	 MAX gpm	INLET in	SECTION VALVES in	LIST PRICE \$
Electric Three Section Sprayer Control with Proportional Valve and Metered Bypass					
a AG8372C0147	300	26	3/4" NPTF	(3) 3/4" HB	\$1,547.11
Electric Three Section Valve					
b AG8372C0148	300	26	3/4" NPTF	(3) 3/4" HB	\$1,081.67
Electric Single Section Valve					
c AG8388000	300	12	-	-	\$313.82

MOD	DESCRIPTION	LIST PRICE \$
Outlet Fittings for Above Section Valves		
a AGG00001059	Viton O-ring for outlet barb	\$1.79
b AGR00000014	Hose Barb 3/8" Straight NRG	\$5.09
c AGR00000015	Outlet D.13 For Boom SECT. VALVES	\$5.09
d AGR00000016	Outlet D.16 For Boom SECT. VALVES	\$5.02
e AGR00000017	Hose Barb 3/4" Straight NRG	\$5.09
f AGR00000018	Hose Barb 1" Straight NRG	\$5.09
g AGR00000019	Hose Barb 1" Straight Vol NRG	\$5.26
h AGR00000082	Hose Barb 1/2" 90 degree NRG	\$5.26
i AGR00000255	Hose Barb 3/8" 90 degree NRG	\$5.26
j AGR00000083	Fitting G 3/4" M NRG	\$10.19
k AGR00000122	Fitting G 3/4" M Vol NRG	\$14.06
l AGR00000085	Fitting NPT 3/4" F NRG	\$11.64



ACCESSORIES

SPRAY GUNS - ADJUSTABLE LONG RANGE

Long Range Spray Guns used for High Pressure Wash, Spraying Trees, and Fighting Fires. Easy to adjust spray pattern from straight to wide cone using front control handle. Diffuser creates small droplets for complete plant coverage.



MOD	 psi	 gpm	STD. NOZZLE SIZE mm	INLET in	LENGTH in	LIST PRICE \$
-----	--	--	------------------------	-------------	--------------	------------------





Turbine Spray Gun

New Turbine Spray Gun with 17" barrel features 10 mm internal stream straightener and adjustable spray pattern from zero degree to wide angle for complete coverage and long throw.

a	AGSG-TURBINE	870	24	3.0	1/2" HB w/Swivel	17"	\$284.58
b	AGSG-TURBINE4.0	870	24	4.0	1/2" HB w/Swivel	17"	\$296.40
c	AGSG-TURBINE7.0	870	24	7.0	1/2" HB w/Swivel	17"	\$296.40
d	AGKIT-10/11	Repair Kit Turbine Gun					\$32.73

Long Range Turbine Gun

New Long Range High Performance Turbine Spray Gun with 21" barrel features 12 mm internal stream straightener and adjustable spray pattern from zero degree to wide angle for complete coverage of tall trees.

e	AGSG-LR-TURBINE 	870	30	4.0	1/2" HB w/Swivel	21"	\$363.36
f	AGKIT-10/11 	Repair Kit Long Range Turbine Gun					\$32.73
g	AGSG-L008.REVO 	725	24	2.5	1/2" w/Swivel	-	\$217.64
h	AGSG-L007.REVO 	725	24	2.5	1/2" w/Swivel	-	\$249.11

Evolution Spray Gun


New Turbine Evolution Heavy Duty Long Range Spray Gun for spraying orchards, vineyards, greenhouses and trees. Easy to adjust spray pattern from straight to wide cone using front control handle. Diffuser creates small droplets for complete plant coverage.

i	AGSG5500A	725	10	4.0	1/2" HB w/Swivel		\$386.84
j	AGKIT7.901.10	Repair Kit Evolution Spray Gun					\$50.08

FOAM MIX Gun

New Foam Spray Guns for fire fighting and high volume pressure washing. Easy to adjust spray pattern from straight to cone using front control handle. Diffuser creates small droplets for creating foam mix. Innovative servo-assisted trigger for easy operation.

k	AGSG-FOAM2	3600	13	4.5	1/2" NPT(M) w/Swivel	-	\$729.59
l	AGKIT37.302.55	Repair Kit Foam Spray Gun					\$134.64

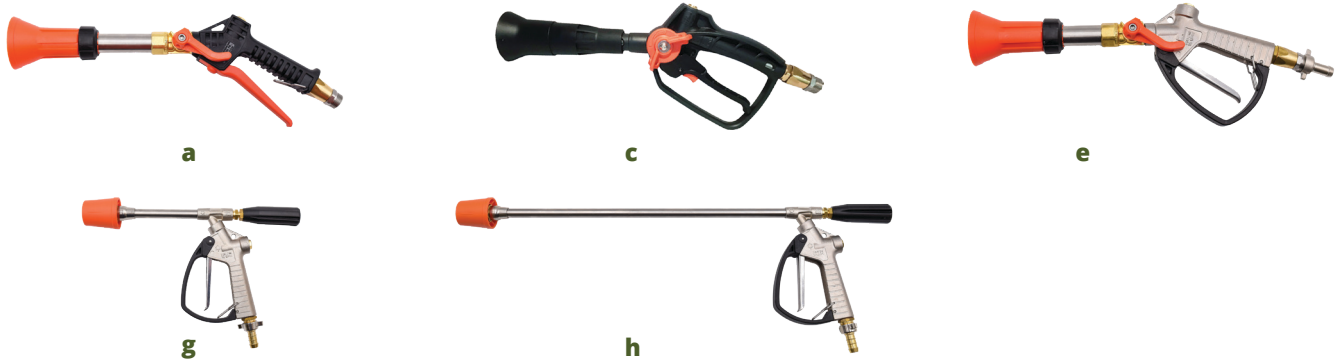
 - Braglia

 - Valvolmeccanica. Made in Italy.

Additional nozzle sizes available - see page 82.

SPRAY GUNS - ADJUSTABLE PISTOL GRIP

Pistol grip spray guns feature ergonomic grip for one handed operation. Easy to adjust spray pattern from straight to wide cone using the thumb lever. Diffuser creates small droplets for complete spray coverage.

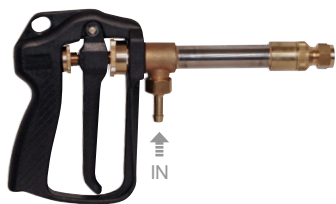


MOD	MAX	MAX	STD. NOZZLE SIZE	INLET	LENGTH	LIST PRICE
	psi	gpm	mm	in	in	\$
TURBO 400 Gun						
Additional nozzle sizes available.						
AGSG-TURBO	725	10	3.0	1/2" HB w/Swivel	-	\$177.39
AGKIT26.901.4	Repair Kit Turbo 400 Spray Gun					\$92.58
New Max Ultra						
New Ultra Spray Guns feature ergonomic grip for one-handed operation. Used for spraying lawn, turf, ornamental bushes and trees. Easy to adjust spray pattern from straight to wide cone using the thumb lever. Diffuser creates small droplets for complete spray coverage.						
AGSG6000A	725	10	2.3	1/2" HB w/Swivel	-	\$264.50
AGKIT46.901.46	Repair Kit Max Ultra Spray Gun					\$38.21
Heavy Duty Turbo 400						
Turbo 400 Heavy Duty Metal Spray Guns feature ergonomic grip for one handed-operation. Used for spraying lawn, turf, ornamental bushes and trees. Easy to adjust spray pattern from straight to wide cone. Diffuser can be adjusted to create small droplets for complete spray coverage.						
AGSG7000A	725	10	3.0	1/2" HB w/Swivel	-	\$231.44
AGKIT26.302.6	Repair Kit					\$81.28
Greenhouse Spray Lance						
New Nursery and Greenhouse Guns feature adjustable spray pattern that is set for consistent spray pattern. Easy to adjust spray pattern from straight to cone with the adjustment knob.						
AGSG9000A	580	1.8	1.5 mm Ceramic	12" Length 1/2" HB	12"	\$167.16
AGSG9001A	580	1.8	1.5 mm Ceramic	24" Length 1/2" HB	24"	\$179.91
AGKIT26.302.6	Repair Kit Spray Gun					\$81.28
- Braglia						
Additional nozzle sizes available - see page 82.						



ACCESSORIES

SPRAY GUNS - ADJUSTABLE



a




b

MOD	 MAX	 MAX	STD. NOZZLE SIZE	INLET	LENGTH	LIST PRICE
	psi	gpm	mm	in	in	\$

Adjustable Spray Gun

Adjustable spray pattern. Stop lever with instant drip sealing. Made of high resistance plastic materials. Equipped with standard ceramic spray tip.

a	AG35.901.16	580	8	2.3	3/8" Hose Barb	13"	\$144.68
b	AG35.901.169	580	8	2.3	3/8" Hose Barb	22"	\$160.17
c	AGKIT35.302.18	Repair Kit Turbine Gun					\$24.52
 - Braglia							



a



MOD	 MAX	 MAX	STD. NOZZLE SIZE	INLET	LENGTH	LIST PRICE
	psi	gpm	mm	in	in	\$

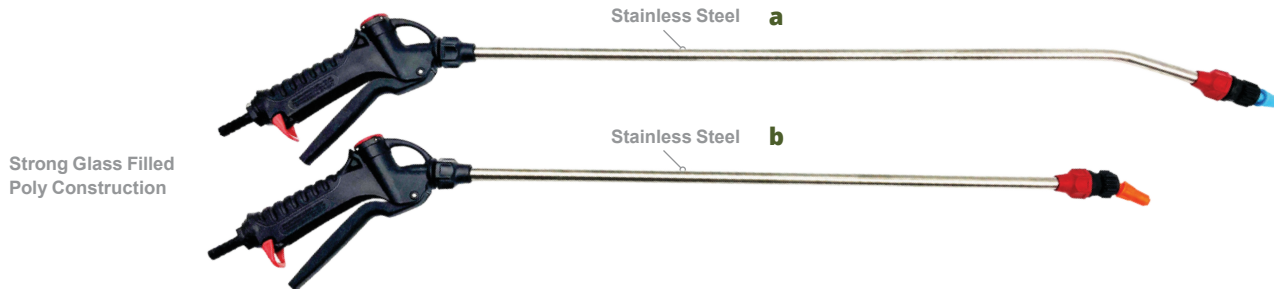
Adjustable Spray Gun

Ergonomic nylon® handgrip, reinforced with fiberglass. Balancing trigger. Equipped with adjustable air mixing diffuser. Perfect micro spraying of the liquid and low impact on the treated plants.

a	AGSG2000A	725	10	3.0	1/2" HB w/Swivel	-	\$216.11
b	AGK00105018	Repair Kit Check Valve Ball & Spring					\$6.81
c	AGK00105023	Repair Kit O-Rings					\$5.75
Additional nozzle sizes available - see page 82.							

SPOT SPRAY GUNS

Durable, light and easy to use. Excellent Chemical Resistance: Polypropylene Handle, AISI 316 Pin and Ball material, POM Seat material. Built-in Storage Hook. Trigger Lock system to keep the gun open. Inlet/Outlet filters standard.



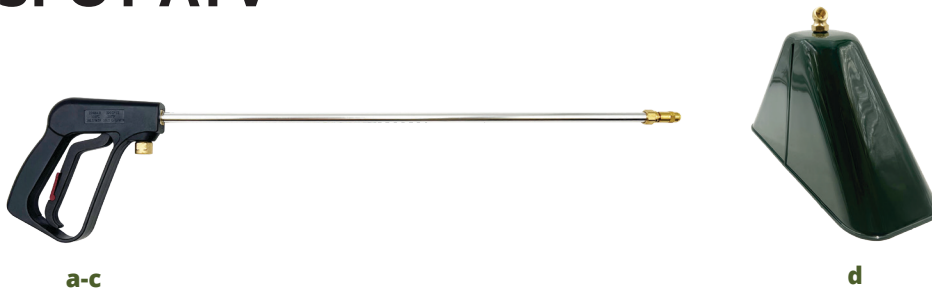
MOD	MAX	MAX	NOZZLE	INLET	WAND	O-RING	LENGTH	LIST PRICE
	psi	gpm	mm	in			in	\$

Adjustable Spray Gun

Adjustable spray pattern. Stop lever with instant drip sealing. Made of high resistance plastic materials. Equipped with standard ceramic spray tip.

a	AG4020009056	225	8	Blue	3/8"	Bent	VITON®	30"	\$55.00
b	AG4020009048	225	8	Blue	3/8"	Straight	VITON®	24"	\$46.69

SPOT ATV



MOD	MAX	MAX	STD. NOZZLE SIZE	INLET	LENGTH	LIST PRICE
	psi	gpm	mm	in	in	\$

Agricultural Spot ATV Spray Gun

Agricultural Spot Sprayers Guns used with many ATV Sprayers. Available in Barrel lengths of 18", 24", and 30".

a	AGSG9018A	300	6	1.8	3/8" NPTF	18"	\$47.54
b	AGSG9024A	300	6	1.8	3/8" NPTF	24"	\$46.42
c	AGSG9030A	300	6	1.8	3/8" NPTF	30"	\$54.04

Drift Guard Shield

For Spot Spray Guns used for precise spraying to protect vegetation from over spray. Works with Ag Spot Sprayer Guns above.

d	AGSS90088	Spray Shield for accurate & on target spraying						\$32.95
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ACCESSORIES

SPRAY GUNS - LOW PRESSURE 12V



a



b

MOD	DESCRIPTION	LIST PRICE
-----	-------------	------------

\$

Low Pressure Spray Gun

Lightweight, with 3/8" Hose Barb connection, with Adjustable Nozzle from cone to straight stream.

a	AGSG5000	600 mm low pressure gun	\$12.82
b	AGSG5005	1500 mm low pressure gun	\$17.13



a

MOD	 psi	 gpm	STD. NOZZLE SIZE mm	INLET in	LENGTH in	LIST PRICE \$
-----	--	--	------------------------	-------------	--------------	------------------

Low Pressure Spray Gun

a	AGSG4000A	450	10	1.5	3/8" HB	-	\$79.35
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SPRAY GUN ADAPTERS



a



b



c



d



e



f

MOD	DESCRIPTION	LIST PRICE
		\$
Adapters		
a AG162.604.3	Adapter: Straight 1/2" Hose Barb x 1/2" BSP (includes flynut and gasket)	\$7.83
b AGF163.604.6	Adapter: 90 Degree 1/2" Hose Barb x 1/2" BSP Flynut (includes flynut and gasket)	\$17.15
c AR162.604.14	Adapter: Straight 3/8" Hose Barb x 1/2" BSP (includes flynut and gasket)	\$8.47
d AGF162.609.5	Adapter: 1/2" BSP x 1/2" BSP	\$9.61
e AGF1002	Adapter: 1/2" BSPF x 1/2" NPTM	\$43.79
f AG26.1502.45	Adapter: 1/2" BSPF x 1/2" BSPM	\$22.61


ROOT FEEDERS




a



b

MOD	DESCRIPTION	LIST PRICE
		\$
Root Feeders 		
Root Feeders for injecting iron, liquid fertilizer and chemicals. Easy to use, accurate and lightweight stainless steel tubing frame and internal parts. Maximum pressure is 145 PSI. Model - EM includes flow meter for accurate metering		
a AG-ROOTFEEDER-EM	Root feeder with Flowmeter	\$860.28
b AG-ROOTFEEDER	Root feeder	\$565.49
c AG34.1803.26	Replacement Nozzle Tip	\$98.72
d AG34.216.2	Replacement Flowmeter	\$361.72
e AGKIT26.302.6	Repair Kit for Trigger Gun	\$81.28















 - Braglia



ACCESSORIES

SPRAY GUN NOZZLES & PERFORMANCE CHART

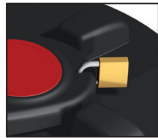


 		SPRAY PRESSURE													LIST PRICE
			200 PSI		350 PSI		500 PSI		580 PSI		650 PSI		725 PSI		\$
Part Number	Nozzle Size														
AGCN9015 Ceramic	1.5	GPM	1.1	1.3	1.5	1.7	1.8	2.0	1.9	2.2	2.0	2.3	2.1	2.4	\$21.76
		Max Throw ft	9	21	10	25	11	28	12	32	12	32	12	32	
AGCN9023 Ceramic	2.3	GPM	2.1	2.7	2.7	3.7	3.4	4.5	3.8	4.9	3.8	5.0	3.9	5.1	
		Max Throw ft	11	29	13	33	14	38	16	41	17	42	17	42	
AGCN9030 Ceramic	3.0	GPM	2.9	4.6	3.7	6.3	4.8	7.5	5.2	8.4	5.3	8.5	5.4	8.6	
		Max Throw ft	11	29	13	33	14	36	15	40	16	40	16	42	
AGCN9035 Ceramic	3.5	GPM	5.8	6.0	7.9	8.2	9.6	9.9	10.7	11.1	11.0	11.3	11.2	11.6	\$15.54
		Max Throw ft	13	36	19	41	22	45	25	50	25	51	27	52	
AGN1802.40 Stainless Steel	4.0	GPM	7.0	7.3	9.6	9.9	11.6	12.0	12.9	13.5	13.8	13.6	14.1	15.0	
		Max Throw ft	15	37	20	42	24	47	27	53	27	54	28	55	
AGN1802.45 Stainless Steel	4.5	GPM	8.0	8.9	11.1	12.0	13.4	14.5	15.0	16.3	15.4	16.6	15.7	17.0	
		Max Throw ft	18	39	22	44	26	50	30	54	30	56	31	57	
AGN1802.50 Stainless Steel	5.0	GPM	9.8	10.2	13.3	13.8	16.0	16.7	18.0	18.7	18.4	19.1	18.9	19.5	\$15.54
		Max Throw ft	20	40	23	47	27	53	32	59	32	61	33	62	
AGN1802.55 Stainless Steel	5.5	GPM	10.7	11.5	14.4	15.6	17.4	18.8	19.6	21.0	20.0	22.0	20.0	22.0	
		Max Throw ft	19	42	23	50	29	57	34	63	34	64	34	65	
AGN1802.60 Stainless Steel	6.0	GPM	11.5	12.6	15.6	17.1	18.8	20.6	21.0	23.2	21.5	23.7	22.0	24.2	
		Max Throw ft	21	43	25	54	30	60	35	66	35	67	36	68	
AGN1802.70 Stainless Steel	7.0	GPM	11.5	13.5	15.6	18.4	18.8	22.2	21.0	25.0	21.5	25.4	22.0	26.0	
		Max Throw ft	21	46	25	57	30	63	37	70	37	71	38	72	

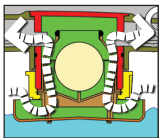
TANK LIDS



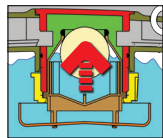
a-d



Possibility to lock with padlock (not supplied).



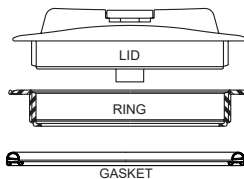
Open



Closed



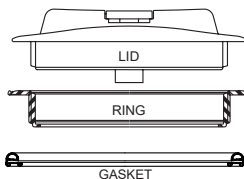
a-c



Ring, Basket, Filter & Gasket ordered separately



a-d



Ring, Basket, Filter & Gasket ordered separately

MOD	BREATHER	SIZE	LIST PRICE
		in	\$

New Hinged Tank Lids

Polypropylene construction. Max opening angle: 180°. Floating ball vent valve.

a	AG8169014	Floating Ball Vent Valve	12"	\$65.88
b	AG8170015	Floating Ball Vent Valve	16"	\$71.52
c	AG8169015	Closed	12"	\$50.57
d	AG8170016	Closed	16"	\$66.58

MOD	BREATHER	SIZE	LIST PRICE
		in	\$

Tank Lids - Vented

a	AG8146002	1 Labyrinth	8"	\$20.98
b	AG8152004	1 Labyrinth	12"	\$24.25
c	AG8158005	1 Labyrinth	16"	\$28.40

MOD	CONFIGURATION	SIZE	LIST PRICE
		in	\$

Tank Lids - Closed

a	AG8146000	Closed	8"	\$13.85
b	AG8152000	Closed	12"	\$22.86
c	AG8158000	Closed	16"	\$27.71
d	AG8164000	Closed	22"	\$66.50



ACCESSORIES

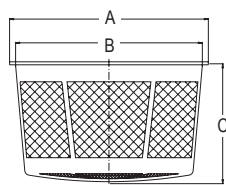
BASKET FILTERS & ACCESSORIES



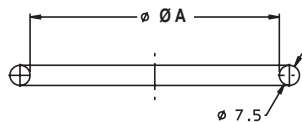
a-d



a-h



a-d



MOD	CONFIGURATION	SIZE	LIST PRICE
		in	\$

Rings for Closed Tank Lids

a	AG8148000	Flat Surface	8"	\$8.31
b	AG8154000	Flat Surface	12"	\$11.08
c	AG8160000	Flat Surface	16"	\$13.85
d	AG8166000	Flat Surface	22"	\$33.95

MOD	SUITABLE FOR RINGS	SIZE	DEPTH	LIST PRICE
		in	in	\$

Basket Filters for Tank Lids

a	AG8147000	8148000	8"	1.9"	\$8.21
b	AG8147001	8148000	8"	4.7"	\$22.61
c	AG8147002	8148000	8"	9.4"	\$29.04
d	AG8153000	8154000	12"	2.4"	\$13.78
e	AG8153001	8154000	12"	9.4"	\$28.40
f	AG8159000	8160000	16"	7.1"	\$39.74
g	AG8159001	8160000	16"	11.0"	\$42.81
h	AG8159002	8160000	16"	12.6"	\$48.49

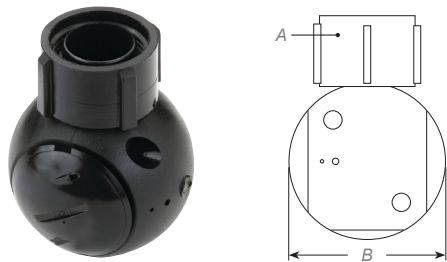
MOD	A INCH	TANK LIDS	LIST PRICE
	in	in	\$

Gaskets for Tank Lid Rings

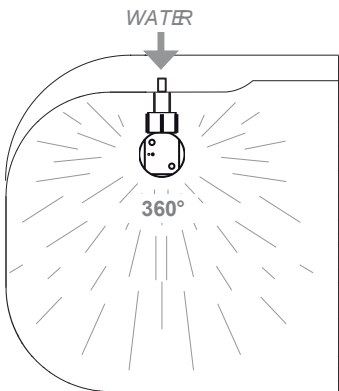
a	AGG0000011	7.5"	8"	\$6.79
b	AGG0000006	11.2"	12"	\$7.90
c	AGG0000007	14.6"	16"	\$9.42
d	AGG0000028	19.9"	22"	\$30.71



TANK ACCESSORIES



a





a

MOD	THREADS	ANGLE	LIST PRICE
	in	in	\$

Rotating Spray Head

a AG8185007	G1"	360°	\$159.33
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FLOW RATE

ANGLE	 MAX	 MAX
360°	30 PSI	3.6 GPM
360°	45 PSI	4.8 GPM
360°	60 PSI	5.8 GPM

MOD	Ø	LIST PRICE
	in	\$

Mounting Kit

a AGK00107002	1/2" HB	\$4.15
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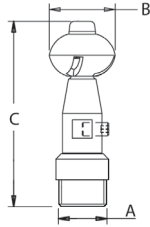


ACCESSORIES

JET AGITATOR



a-b



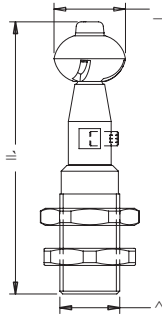
MOD	ANGLE		A	B	C	LIST PRICE
	°	psi	in	in	in	\$

Tank Rinsing Head

a	AG8185005	240°	150	G 1/4M	1"	2.4"	\$58.85
b	AG8185003	360°	150	G 1/4M	1"	2.4"	\$58.85



a-b





MOD	ANGLE		A	B	C	LIST PRICE
	°	psi	in	in	in	\$



Tank Rinsing Head

a	AG8185000	240°	150	G 1/2M	1"	3.7"	\$96.31
b	AG8185006	360°	150	G 1/2M	1"	3.7"	\$96.31

FLOW RATE

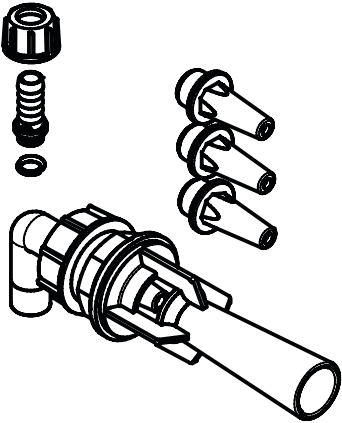
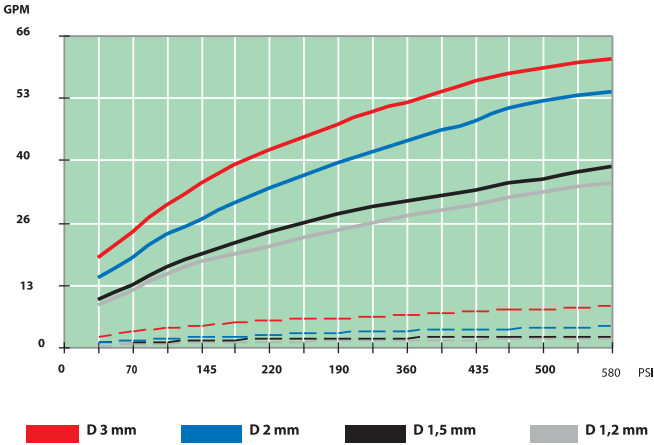
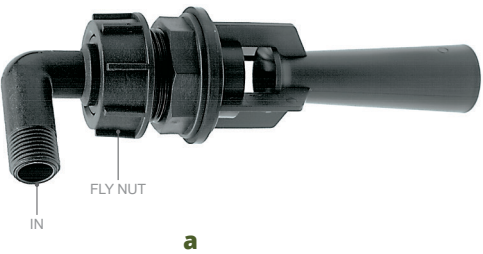
ANGLE		
240°	75 PSI	3.5 GPM
240°	100 PSI	4.0 GPM
240°	150 PSI	4.8 GPM

FLOW RATE

ANGLE		
360°	75 PSI	6.3 GPM
360°	100 PSI	7.7 GPM
360°	150 PSI	9.0 GPM



JET AGITATOR



MOD	NOZZLE SIZE	MATERIAL	IN	FLY NUT	LIST PRICE
			in	in	\$

High Flow Jet Agitator
For spray tanks keeps chemical from settling out. Complete with all four nozzle sizes.

a AGK00112015 1.2, 1.5, 2, 3 Ceramic 1/2" HB 1-1/4" G \$36.25



a

MOD	BREATHER	F	LIST PRICE
			\$

Tank Breather Valve
Labyrinth breather valve.

a AG8208000 Complete G1 M \$8.00

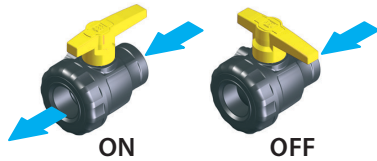


ACCESSORIES

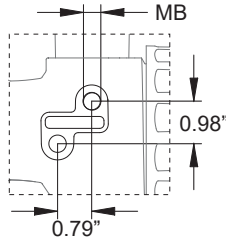
SINGLE UNION BALL VALVES



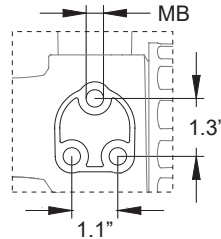
a-g



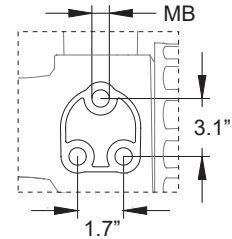
Mounting Dimensions
1" & 1 1/4" Ball Valves



Mounting Dimensions
1 1/2" Ball Valves



Mounting Dimensions
2" Ball Valves



MOD	SIZE F (NPT)	PORTS	 MAX	MOUNTING	LIST PRICE
	in		psi	mm	\$

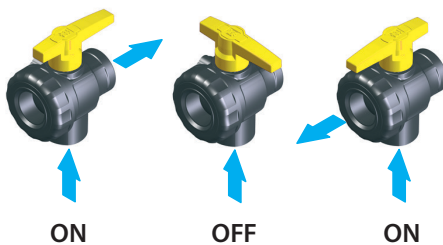
2-Way Ball Valve - NPT

Fiberglass reinforced polypropylene body for strength and chemical resistance. Teflon seats for smooth operation and proper sealing characteristics. EPDM o-rings to handle most fertilizers and chemicals.

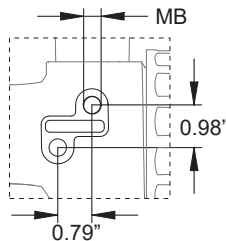
a	AGBV8215127	3/8"	FF	232	none	\$21.48
b	AGBV8215178	1/2"	FF	232	none	\$21.48
c	AGBV8215228	3/4"	FF	232	none	\$21.48
d	AGBV8215278	1"	FF	232	8 mm	\$27.71
e	AGBV8215328	1.25"	FF	232	8 mm	\$39.96
f	AGBV8215378	1.5"	FF	145	8 mm	\$41.56
g	AGBV8215428	2"	FF	145	8 mm	\$55.42



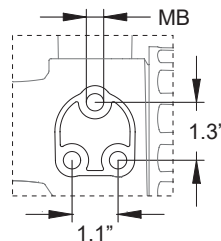
a-f



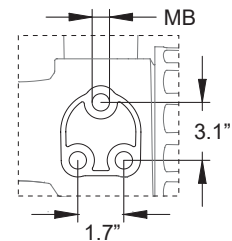
Mounting Dimensions
1" & 1 1/4" Ball Valves



Mounting Dimensions
1 1/2" Ball Valves



Mounting Dimensions
2" Ball Valves



MOD	SIZE F (NPT)	PORTS	 MAX	MOUNTING	LIST PRICE
	in		psi	mm	\$

3-Way Ball Valve - NPT

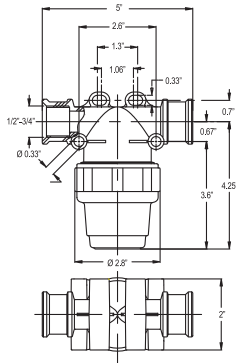
Fiberglass reinforced polypropylene body for strength and chemical resistance. Teflon seats for smooth operation and proper sealing characteristics. EPDM o-rings to handle most fertilizers and chemicals.

a	AGBV8216180	1/2"	FFF	232	none	\$35.76
b	AGBV8216230	3/4"	FFF	232	none	\$34.45
c	AGBV8216276	1"	FFF	232	none	\$40.92
d	AGBV8216330	1.25"	FFF	232	8 mm	\$58.36
e	AGBV8216380	1.5"	FFF	145	8 mm	\$68.69
f	AGBV8216428	2"	FFF	145	8 mm	\$85.81

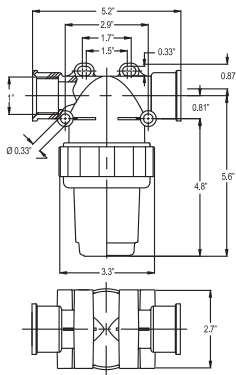
LINE STRAINERS



a-h



i-m

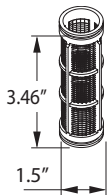


MOD	F	MAX	MAX	MESH	SCREEN MATERIAL	EFFECTIVE AREA	LIST PRICE
	in	psi	gpm				\$

Line Strainers - 1/2 NPT F, 3/4 NPT F, 1 NPT F

a	AG8105092	1/2 NPT F	300	20	16	S.S.	4.1	\$25.98
b	AG8105012	1/2 NPT F	300	20	32	S.S.	4	\$25.98
c	AG8105013	1/2 NPT F	300	20	50	S.S.	3.7	\$25.98
d	AG8105093	3/4 NPT F	300	26	16	S.S.	4.1	\$25.98
e	AG8105016	3/4 NPT F	300	26	32	S.S.	4	\$25.98
f	AG8105017	3/4 NPT F	300	26	50	S.S.	3.7	\$25.98
g	AG8105018	3/4 NPT F	300	26	80	S.S.	3.4	\$25.98
h	AG8105019	3/4 NPT F	300	26	100	S.S.	3.6	\$25.98
i	AG8105094	1 NPT F	300	40	16	S.S.	6.0	\$30.76
j	AG8105020	1 NPT F	300	40	32	S.S.	5.9	\$30.76
k	AG8105021	1 NPT F	300	40	50	S.S.	5.4	\$30.76
l	AG8105022	1 NPT F	300	40	80	S.S.	5.3	\$30.76
m	AG8105023	1 NPT F	300	40	100	S.S.	5.1	\$30.76

S.S. = Stainless Steel

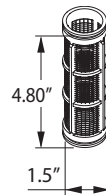


a-e

MOD	SCREEN MESH	SCREEN MATERIAL	LIST PRICE
			\$

Spare Parts - 1/2", 3/4"

a	AGC00100083	16	S.S.	\$12.17
b	AGC00100000	32	S.S.	\$13.04
c	AGC00100001	50	S.S.	\$13.04
d	AGC00100002	80	S.S.	\$13.04
e	AGC00100003	100	S.S.	\$13.04



a-e

MOD	SCREEN MESH	SCREEN MATERIAL	LIST PRICE
			\$

Spare Parts - 1"

a	AGC00100084	16	S.S.	\$13.70
b	AGC00100004	32	S.S.	\$14.68
c	AGC00100005	50	S.S.	\$14.68
d	AGC00100006	80	S.S.	\$14.68
e	AGC00100007	100	S.S.	\$14.68

STRAINER ELEMENT GASKET

MOD	GASKET	MATERIAL	LIST PRICE
AGG00001024	O-Ring	EPDM	\$1.10

STRAINER ELEMENT GASKET

MOD	GASKET	MATERIAL	LIST PRICE
AGG00001024	O-Ring	EPDM	\$1.10

STRAINER BOWL GASKET

MOD	GASKET	MATERIAL	LIST PRICE
AGG00001064	O-Ring	EPDM	\$1.52

STRAINER BOWL GASKET

MOD	GASKET	MATERIAL	LIST PRICE
AGG00001050	O-Ring	EPDM	\$0.97

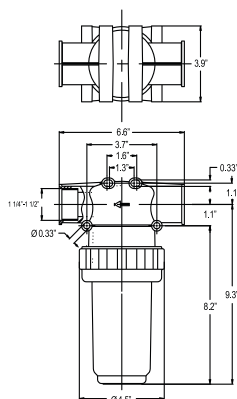




ACCESSORIES

LINE STRAINERS



a-f



MOD	F	 MAX	 MAX	MESH	SCREEN MATERIAL	EFFECTIVE AREA	LIST PRICE
	in	psi	gpm				\$
Line Strainers - 1.25 NPT F, 1.50 NPT F							
AG8121047	1.25 NPT F	225	50	16	S.S.	18	\$60.55
AG8121008	1.25 NPT F	225	50	32	S.S.	18	\$60.55
AG8121009	1.25 NPT F	225	50	50	S.S.	16	\$60.55
AG8121027	1.50 NPT F	225	70	16	S.S.	18	\$60.55
AG8121012	1.50 NPT F	225	70	32	S.S.	18	\$60.55
AG8121013	1.50 NPT F	225	70	50	S.S.	16	\$60.55

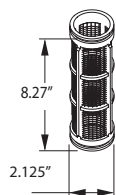
S.S. = Stainless Steel

STRAINER ELEMENT GASKET

MOD	GASKET	MATERIAL	LIST PRICE
AGG00001046	O-Ring	EPDM	\$1.30

STRAINER BOWL GASKET

MOD	GASKET	MATERIAL	LIST PRICE
AGG00001083	O-Ring	EPDM	\$1.60



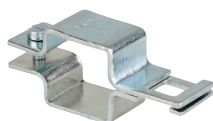
a-c

MOD	SCREEN MESH	SCREEN MATERIAL	LIST PRICE
			\$
Spare Parts - 1.25", 1.50"			
AGC00100070	16	S.S.	\$24.95
AGC00100032	32	S.S.	\$26.73
AGC00100033	50	S.S.	\$26.73

CLAMPS



a-c



d-g

MOD	Ø	LIST PRICE
	in	\$
Clamps for Dry Booms. Order in quantity of 10.		
AG8235036	3/4"	\$5.24
AG8235038	1"	\$5.24
AG8235040	1-1/4"	\$5.24
AG8235037	3/4"	\$5.24
AG8235039	1"	\$5.24
AG8235041	1-1/4"	\$5.24
AG8235043	1-1/2"	\$5.24

DRY BOOM NOZZLE BODIES

Nozzle bodies with diaphragm check-valve in VITON®, including o-ring gasket, screw and nut. Quick fittings (caps not included).



a-c




d-f



g-i



j-l

MOD	 psi	TYPE	D in	LIST PRICE \$
3 Way Nozzle Body				
a AG8245018	300	Single HB	1/2"	\$22.38
b AG8245030	300	Single HB	3/4"	\$22.38
c AG8245066	300	Single HB	1"	\$22.38
d AG8245090	300	Double HB	1/2"	\$22.38
e AG8245102	300	Double HB	3/4"	\$22.38
f AG8245138	300	Double HB	1"	\$22.38
5 Way Nozzle Body				
g AG8245023	300	Single HB	1/2"	\$28.78
h AG8245035	300	Single HB	3/4"	\$28.78
i AG8245071	300	Single HB	1"	\$28.78
j AG8245095	300	Double HB	1/2"	\$28.78
k AG8245107	300	Double HB	3/4"	\$28.78
l AG8245143	300	Double HB	1"	\$28.78



ACCESSORIES

WET BOOM NOZZLE BODIES

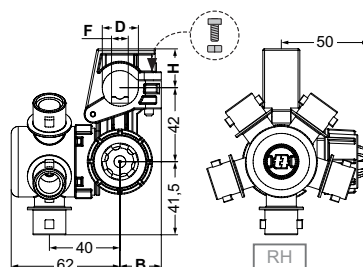
Nozzle bodies with diaphragm check-valve VITON®, including o-ring gasket, fixing screw and nut. Quick fittings (caps not included).



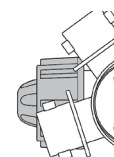
a-l



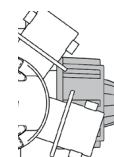
m-x



Type:



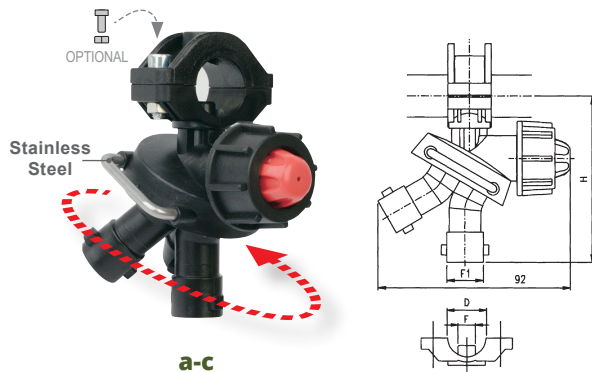
Version with
left hand
check-valve.




Version with
right hand
check-valve.

MOD	 MAX psi	TYPE	F in	D	LIST PRICE \$
Wet Boom 3 Way Nozzle Body 10 per bag. Order in quantity of 10.					
a AG8244226	300	RH	3/8"	20mm	\$20.36
b AG8244238	300	RH	3/8"	22mm	\$20.36
c AG8244250	300	RH	3/8"	25mm	\$20.36
d AG8244292	300	RH	3/8"	1/2"	\$20.36
e AG8244316	300	RH	3/8"	3/4"	\$20.36
f AG8244346	300	RH	3/8"	1"	\$20.36
g AG8244227	300	LH	3/8"	20mm	\$20.36
h AG8244239	300	LH	3/8"	22mm	\$20.36
i AG8244251	300	LH	3/8"	25mm	\$20.36
j AG8244293	300	LH	3/8"	1/2"	\$20.36
k AG8244317	300	LH	3/8"	3/4"	\$20.36
l AG8244347	300	LH	3/8"	1"	\$20.36
Wet Boom 5 Way Nozzle Body 10 per bag. Order in quantity of 10.					
m AG8244230	300	RH	3/8"	20mm	\$24.17
n AG8244242	300	RH	3/8"	22mm	\$24.17
o AG8244254	300	RH	3/8"	25mm	\$24.17
p AG8244296	300	RH	3/8"	1/2"	\$24.17
q AG8244320	300	RH	3/8"	3/4"	\$24.17
r AG8244350	300	RH	3/8"	1"	\$24.17
s AG8244231	300	LH	3/8"	20mm	\$24.17
t AG8244243	300	LH	3/8"	22mm	\$24.17
u AG8244255	300	LH	3/8"	25mm	\$24.17
v AG8244297	300	LH	3/8"	1/2"	\$24.17
w AG8244321	300	LH	3/8"	3/4"	\$24.17
x AG8244351	300	LH	3/8"	1"	\$24.17

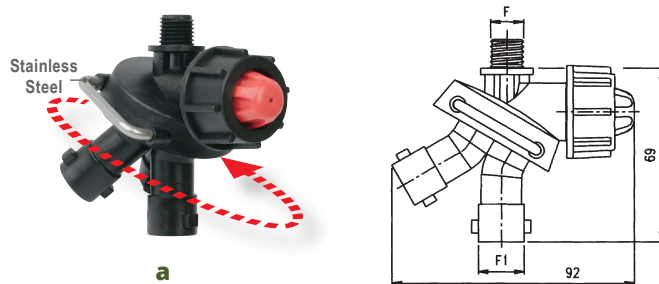
NOZZLE BODIES




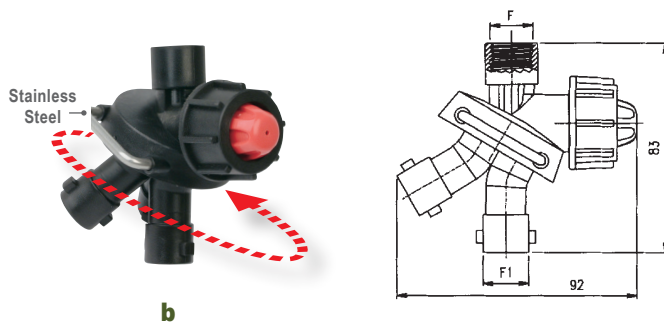
MOD		F1	F	D	B	LIST PRICE
	psi		in	in	mm	\$
Triple Nozzle Body Triple nozzle bodies with diaphragm check-valve VITON® and o-ring gasket. Quick fittings (caps not included).						
a AG8239013	225	Quick	3/8"	1/2"	82	\$28.04
b AG8239015	225	Quick	3/8"	3/4"	87	\$28.04
c AG8239023	225	Quick	3/8"	1"	87	\$28.04

SPARE PARTS

MOD	DESCRIPTION	LIST PRICE
AGM00100000	EPDM Diaphragm	\$1.10
AGM00100001	VITON® Diaphragm	\$2.72
AGG00001024	Screw Kit	\$1.10
AGG00001008	10mm F Gasket	\$0.36



MOD		F1	F	LIST PRICE
	psi		in	\$
Triple Nozzle Body Triple nozzle bodies with diaphragm check-valve VITON®. Quick fittings (caps not included).				
a AG8239017	225	Quick	1/4" NPT M	\$26.27
b AG8239019	225	Quick	G 3/8" F	\$26.27



SPARE PARTS

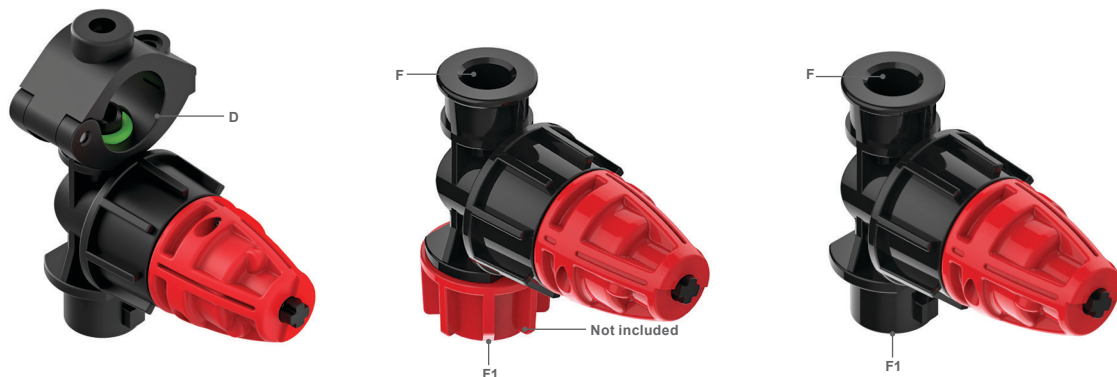
MOD	DESCRIPTION	LIST PRICE
AGM00100000	EPDM Diaphragm	\$1.10
AGM00100001	VITON® Diaphragm	\$2.72




ACCESSORIES

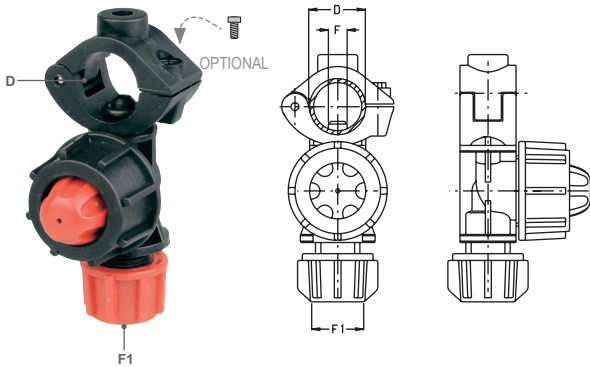
NOZZLE BODIES W/DIAPHRAGM CHECK-VALVE

Nozzle bodies with diaphragm check-valve in VITON® with shutoff, including o-ring gasket, fixing screw and nut. The check-valve with shutoff allows each individual nozzle body to be closed by turning the red nut located on the check-valve. Caps not included.



MOD	 psi	GASKET MATERIAL	F1 in	F in	D	LIST PRICE \$
Nozzle Body w/Diaphragm Check-valve						
a AG8234089	300	VITON®	Quick	3/8"	20mm	\$12.37
b AG8234091	300	VITON®	Quick	3/8"	1/2"	\$12.37
c AG8234092	300	VITON®	Quick	3/8"	3/4"	\$12.37
d AG8234093	300	VITON®	Quick	3/8"	1"	\$12.37
Nozzle Body w/Diaphragm Check-valve						
e AG8234098	300	VITON®	G 3/8" M	G 1/4" F	-	\$12.61
f AG8234099	300	VITON®	G 3/8" M	G 1/4" M	-	\$12.61
g AG8234100	300	VITON®	G 3/8" M	G 3/8" F	-	\$12.61
h AG8234101	300	VITON®	G 3/8" M	11/16" F	-	\$12.61
Nozzle Body w/Diaphragm Check-valve						
i AG8234098	300	VITON®	G 3/8" M	G 1/4" F	-	\$12.61
j AG8234099	300	VITON®	G 3/8" M	G 1/4" M	-	\$12.61
k AG8234100	300	VITON®	G 3/8" M	G 3/8" F	-	\$12.61
l AG8234101	300	VITON®	G 3/8" M	11/16" F	-	\$12.61

NOZZLE BODIES W/DIAPHRAGM CHECK-VALVE



MOD	MAX	GASKET MATERIAL	F1	F	D	LIST PRICE
	psi		in	in		\$

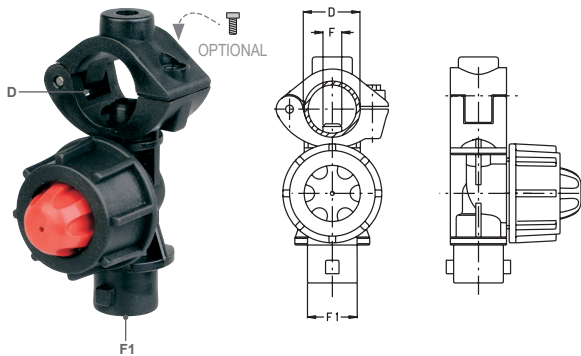
Nozzle Body w/Diaphragm Check-valve

Nozzle bodies with diaphragm check-valve sealing o-ring and red colored threaded cap.

a	AG8234002	300	EPDM	G 3/8" M	3/8"	20mm	\$7.44
b	AG8234006	300	EPDM	G 3/8" M	3/8"	1/2"	\$7.44
c	AG8234047	300	EPDM	G 3/8" M	3/8"	25mm	\$8.60
d	AG8234008	300	EPDM	G 3/8" M	3/8"	3/4"	\$8.60
e	AG8234050	300	EPDM	G 3/8" M	3/8"	1"	\$8.60

SPARE PARTS

MOD	DESCRIPTION	LIST PRICE
AGM00100000	EPDM Diaphragm	\$1.10
AGM00100001	VITON® Diaphragm	\$2.72
AGG00001008	3/8" Gasket	\$0.36
AGV00007005	Screw PH	\$0.72
AGV00007000	Screw TORX 10x7.5	\$0.72



MOD	MAX	GASKET MATERIAL	F1	F	D	LIST PRICE
	psi		in	in		\$

Nozzle Body w/Diaphragm Check-valve

Nozzle bodies with diaphragm check-valve and o-ring seal. Quick fitting (cap not included)

a	AG8234003	300	EPDM	Quick	3/8"	20mm	\$7.12
b	AG8234007	300	EPDM	Quick	3/8"	1/2"	\$7.12
c	AG8234026	300	EPDM	Quick	3/8"	25mm	\$8.32
d	AG8234009	300	EPDM	Quick	3/8"	3/4"	\$8.32
e	AG8234051	300	EPDM	Quick	3/8"	1"	\$8.32

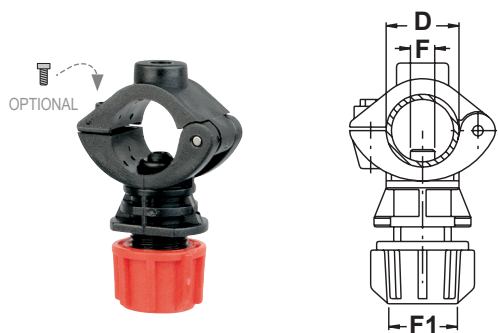
SPARE PARTS

MOD	DESCRIPTION	LIST PRICE
AGM00100000	EPDM Diaphragm	\$1.10
AGM00100001	VITON® Diaphragm	\$2.72
AGG00001008	3/8" Gasket	\$0.36
AGV00007005	Screw PH	\$0.72
AGV00007000	Screw TORX 10x7.5	\$0.72



ACCESSORIES

NOZZLE BODIES



MOD		F1	F	D	LIST PRICE
	psi	in	in		\$

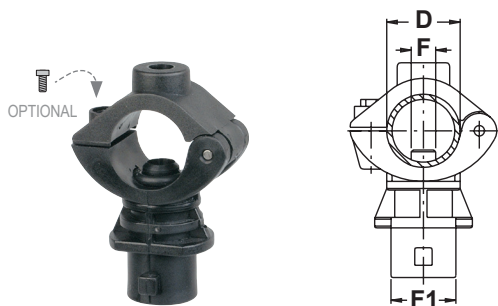
Nozzle Bodies

Nozzle bodies with o-ring seal and red colored threaded cap.

a	AG8230002	300	G 3/8" M	3/8"	20mm	\$3.09
b	AG8230006	300	G 3/8" M	3/8"	1/2"	\$3.09
c	AG8230008	300	G 3/8" M	3/8"	25mm	\$4.11
d	AG8230010	300	G 3/8" M	3/8"	3/4"	\$4.11

SPARE PARTS

MOD	DESCRIPTION	LIST PRICE
AGG00001008	3/8" Gasket	\$0.36
AGV00007005	Screw 	\$0.72
AGV00007000	Screw 	\$0.72



MOD		F1	F	D	LIST PRICE
	psi	in	in		\$

Nozzle Bodies

Nozzle bodies with o-ring seal. Quick fittings (caps not included).

a	AG8230003	300	Quick	3/8"	20mm	\$2.72
b	AG8230007	300	Quick	3/8"	1/2"	\$2.72
c	AG8230009	300	Quick	3/8"	3/4"	\$3.65
d	AG8230011	300	Quick	3/8"	1"	\$3.65

SPARE PARTS

MOD	DESCRIPTION	LIST PRICE
AGG00001008	3/8" Gasket	\$0.36
AGV00007005	Screw 	\$0.72
AGV00007000	Screw 	\$0.72

NOZZLE BODIES



MOD	 psi	Ø in	LIST PRICE \$
Nozzle bodies for dry booms. Quick fittings (caps not included).			
a AG8231001	300	3/8"	\$3.58
b AG8231003	300	1/2"	\$3.58
c AG8231005	300	3/4"	\$3.58
d AG8231007	300	3/8"	\$3.58
e AG8231009	300	1/2"	\$3.58
f AG8231011	300	3/4"	\$3.58
g AG8231013	300	3/8"	\$3.58
h AG8231015	300	1/2"	\$3.58
i AG8231017	300	3/4"	\$3.58
Dry Boom hosebarb with threaded fitting 1/4" NPT.			
j AG8231018	300	3/8"	\$3.92
k AG8231020	300	1/2"	\$3.92
l AG8231022	300	3/4"	\$3.92
m AG8231024	300	3/8"	\$3.92
n AG8231026	300	1/2"	\$3.92
o AG8231028	300	3/4"	\$3.92
p AG8231030	300	3/8"	\$3.92
q AG8231032	300	1/2"	\$3.92
r AG8231034	300	3/4"	\$3.92
Nozzle bodies for dry booms. Complete with red colored threaded cap.			
s AG8231000	300	3/8"	\$4.13
t AG8231002	300	1/2"	\$4.13
u AG8231004	300	3/4"	\$4.13
v AG8231006	300	3/8"	\$4.13
w AG8231008	300	1/2"	\$4.13
x AG8231010	300	3/4"	\$4.13
y AG8231012	300	3/8"	\$4.13
z AG8231014	300	1/2"	\$4.13
a2 AG8231016	300	3/4"	\$4.13



ACCESSORIES

NOZZLE BODIES W/DIAPHRAGM CHECK-VALVE



a-c



d-f



g-i



j-l



m-o



p-q





r-s



t-u

SPARE PARTS

MOD	DESCRIPTION	LIST PRICE
AGG00001008	3/8" Gasket	\$0.35
AGV00007005	Screw 	\$0.70
AGV00007000	Screw 	\$0.70

MOD	 MAX psi	Ø in	LIST PRICE \$
-----	--	---------	------------------

Nozzle bodies for dry booms, with diaphragm check-valve (EPDM). Quick fittings (caps not included).

a	AG8235001	300	3/8"	\$9.88
b	AG8235003	300	1/2"	\$9.88
c	AG8235005	300	3/4"	\$9.88
d	AG8235007	300	3/8"	\$9.88
e	AG8235009	300	1/2"	\$9.88
f	AG8235011	300	3/4"	\$9.88
g	AG8235013	300	3/8"	\$9.88
h	AG8235015	300	1/2"	\$9.88
i	AG8235017	300	3/4"	\$9.88
j	AG8235019	300	3/8"	\$8.31
k	AG8235021	300	1/2"	\$8.31
l	AG8235023	300	3/4"	\$8.31
m	AG8235025	300	3/8"	\$8.31
n	AG8235027	300	1/2"	\$8.31
o	AG8235029	300	3/4"	\$8.31

Adjustable triple nozzle bodies with diaphragm (EPDM) check-valve for dry booms. Quick fittings (caps not included).

p	AG8240001	225	1/2"	\$26.90
q	AG8240003	225	3/4"	\$26.90
r	AG8240005	225	1/2"	\$26.90
s	AG8240007	225	3/4"	\$26.90
t	AG8240009	225	1/2"	\$26.90
u	AG8240011	225	3/4"	\$26.90

NOZZLE BODIES W/DIAPHRAGM CHECK-VALVE



Single Left

a



Double

b



Single Right

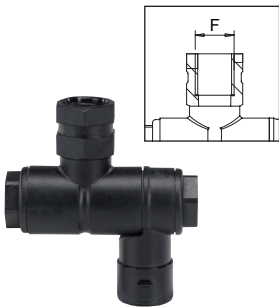
c

MOD		Ø	LIST PRICE
	psi	in	\$

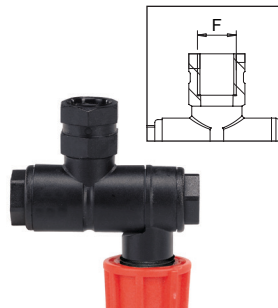
Nozzle bodies with diaphragm (EPDM) check-valve for dry booms 1/2".
Quick fittings (caps not included).

a	AG8235035	300	1/2"	\$10.17
b	AG8235033	300	1/2"	\$12.09
c	AG8235031	300	1/2"	\$9.74

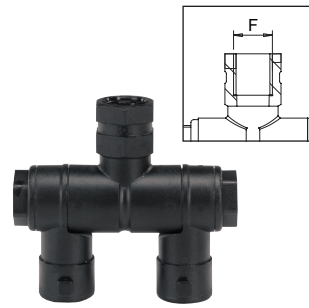
SWIVEL NOZZLE BODIES



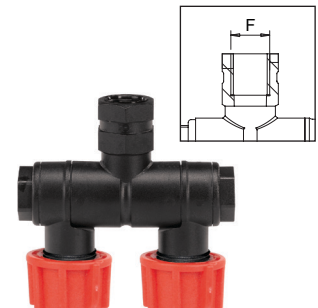
a



b



c



d

MOD		F	LIST PRICE
	psi	in	\$

Swivel Female Nozzle Body
Quick fitting.

a	AG8247012	217	NPT 1/4" F	\$8.69
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Swivel Female Nozzle Body
BSP 3/8" fly nut.

b	AG8247018	217	NPT 1/4" F	\$8.69
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Double Swivel Female Nozzle Body
Quick fitting.

c	AG8247015	217	NPT 1/4" F	\$10.60
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Double Swivel Female Nozzle Body
BSP 3/8" fly nut.

d	AG8247021	217	NPT 1/4" F	\$10.60
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ACCESSORIES

NOZZLE BODY ADAPTERS & ACCESSORIES



a-b



c-d



e



f-h

MOD	F	LIST PRICE
	in	\$

Quick-Fitting Adapters

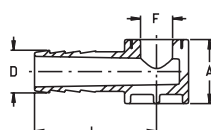
a	AG8230015	G 1/4" BSP	\$1.87
b	AG8230017	1/4" NPT	\$1.87
c	AG8230019	G 1/4" BSP	\$2.63
d	AG8230021	1/4" NPT	\$2.63

Bloom Flushing Quick-Fitting Adapters

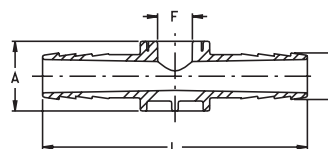
e	AG8253040	-	\$1.66
f	AG8294020	G 3/8" BSP	\$2.68
g	AG8294021	G 1/2" BSP	\$2.68
h	AG8294022	G 3/4" BSP	\$4.19



a-e



f-j



MOD	A	D	F	L	LIST PRICE
	in	in	in	in	\$

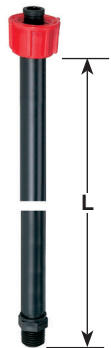
Hose Fitting for Dry Boom - Nozzle Bodies

a	AG8294014	1/2"	1/2"	3/8"	1.6"	\$1.60
b	AG8294015	3/4"	3/4"	3/8"	1.6"	\$1.60
c	AG8294016	3/4"	1"	3/8"	1.6"	\$1.60
d	AG8294028	1"	3/4"	3/8"	1.6"	\$1.57
e	AG8294029	1"	1"	3/8"	1.6"	\$1.60

Hose Fitting for Dry Boom - Nozzle Bodies

f	AG8294017	1/2"	1/2"	3/8"	3.2"	\$1.68
g	AG8294018	3/4"	3/4"	3/8"	3.2"	\$1.68
h	AG8294019	3/4"	1"	3/8"	3.2"	\$1.68
i	AG8294030	1"	3/4"	3/8"	3.2"	\$1.68
j	AG8294031	1"	1"	3/8"	3.2"	\$1.68

NOZZLE BODY ACCESSORIES



a-d



MOD	L	TYPE	LIST PRICE
	in	in	\$
Hose Drops			
a AG8251000	15"	Quick	\$10.55
b AG8251001	15"	3/8" G	\$10.55
c AG8251002	24"	Quick	\$11.45
d AG8251003	24"	3/8" G	\$11.45



45° Quick coupling

a



90° Quick coupling for cap

b



Threaded spraying boom terminal - quick coupling elbow (45°)

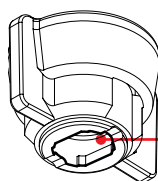
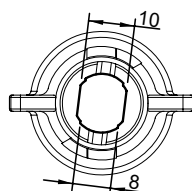
c-d

MOD	F	LIST PRICE
	in	\$
Nozzle Body Adapters		
a AG8230018	Quick	\$5.40
b AG8230022	Quick	\$3.71
c AG8230016	G 1/2"	\$3.42
d AG8230014	G 3/4"	\$3.24



ACCESSORIES

NOZZLE HOLDERS & FILTERS



Nozzle seat with double centering

a-k

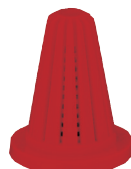
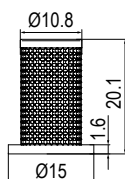
MOD	COLOR	FOR NOZZLES	8MM	10MM	HOLLOW CONE	FLOOD NOZZLES	LIST PRICE
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\$

Kit for Head with Universal Quick-release Coupling

Used to fit all types of nozzles with Ø8 mm and Ø10 mm. Complete with gasket.

a	AG8253085	Grey	Lechler®	IDK				\$1.66
b	AG8253084	Violet	Albuz®	IDKN				\$1.66
c	AG8253083	Brown	TeeJet®	IDKT				\$1.66
d	AG8253082	Orange	Geoline®	IDKS				\$1.66
e	AG8253081	White	Lurmark®	AD	ID	TR		\$1.66
f	AG8253080	Black	Tecnomat®	LU	IDN	ITR	FT	\$1.66
g	AG8253079	Blue	Arag®	ST	IS	TK FloodJet®	AI TeeJet®	\$1.66
h	AG8253078	Green	John Deere®	ES	DF	TXA ConeJet®	TKFloodjet®	\$1.66
i	AG8253077	Yellow	Douven®	OC	FL	FL FullJet®	VS FloodJet®	\$1.66
j	AG8253076	Red	Dubex®	ADI		TG Fullcone®		\$1.66
k	AG8253131	Lilac	CHD Eefting®	API				\$1.66
			Rau® (from 2000)	APS				\$1.66
			Inuma®	ADX				\$1.66
			Dammann®					\$1.66
			Jacoby®					\$1.66



a-e

f-h

MOD	SCREEN MESH	LIST PRICE
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\$

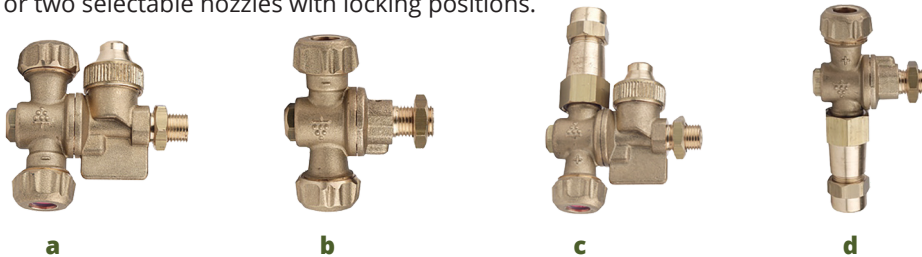
Nozzle Filters

a	AG8139017-PK10	30 Mesh	\$16.72
b	AG8139018-PK10	50 Mesh	\$16.72
c	AG8139019-PK10	80 Mesh	\$16.72
d	AG8139020-PK10	100 Mesh	\$16.72
e	AG8139021-PK10	120 Mesh	\$16.72
f	AG8139022-PK50	25 Mesh	\$110.61
g	AG8139023-PK50	50 Mesh	\$110.61
h	AG8139024-PK50	80 Mesh	\$110.61

DOUBLE NOZZLE BODIES



Brass rollover Nozzle with and without anti-drip diaphragm check valve for use on air blast sprayers. Available with one or two selectable nozzles with locking positions.



MOD		DESCRIPTION	LIST PRICE
	psi		\$

Double Nozzle Complete w/Anti-Drip Valve



a	AGVM0118.14M	580	Double Nozzle 1/4" BSPM Threads	\$40.45
b	AGVM0118.14F	580	Double Nozzle with 1/4" BSPF Threads	\$40.45
c	AGVM0118.38M	580	Double Nozzle with 3/8" BSPM Threads	\$40.45

Double Nozzle Complete without Anti-Drip Valve



d	AGVM0418.14M	580	Double Nozzle 1/4" BSPM Threads	\$41.95
e	AGVM0418.14F	580	Double Nozzle with 1/4" BSPF Threads	\$36.01
f	AGVM0418.38M	580	Double Nozzle with 3/8" BSPM Threads	\$36.01

Adjustable Double Nozzle Complete w/Anti-Drip Valve



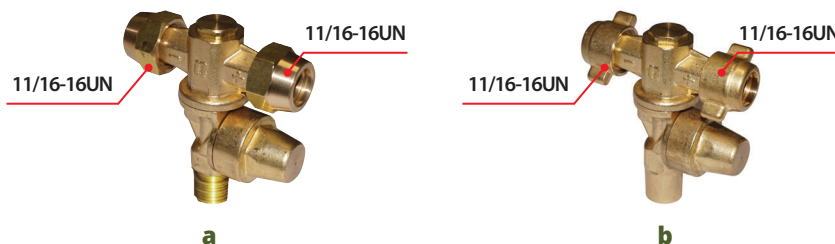
g	AGVM1815.14M	580	Double Nozzle 1/4" BSPM Threads	\$50.05
h	AGVM1815.14F	580	Double Nozzle with 1/4" BSPF Threads	\$50.05
i	AGVM1815.38M	580	Double Nozzle with 3/8" BSPM Threads	\$50.05


Adjustable Double Nozzle Complete without Anti-Drip Valve



j	AGVM6815.14M	580	Double Nozzle 1/4" BSPM Threads	\$43.97
k	AGVM6815.14F	580	Double Nozzle with 1/4" BSPF Threads	\$43.97
l	AGVM6815.38M	580	Double Nozzle with 3/8" BSPM Threads	\$43.97

 - Valvolmeccanica. Made in Italy.



MOD		DISC	F	LIST PRICE
	psi		in	\$

Double Nozzle Body w/Diaphragm Check Valve and Hex Nuts

a	AG8268036	735	2 x Ø 15	1/4" NPT M	\$30.49
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Double Nozzle Body w/Diaphragm Check Valve and Fly Nuts

b	AG8268034	735	2 x Ø 15	1/4" NPT F	\$30.49
c	AGM00100004	Diaphragm Spare Part for a and b			\$1.99

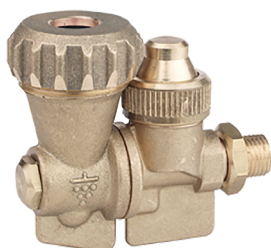


ACCESSORIES

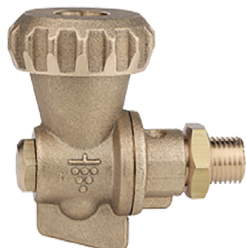
SINGLE NOZZLE BODIES



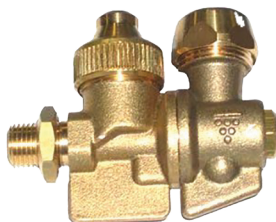
Brass rollover Nozzle with and without anti-drip diaphragm check valve for use on air blast sprayers. Available with one or two selectable nozzles with locking positions. 580 MAX PSI.



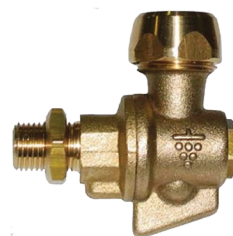
a-c



d-f



g-i



j-l

MOD	 psi	DESCRIPTION	LIST PRICE \$
Single Nozzle Complete w/Anti-Drip Valve Ø 30 			
a AGVM0230.14M	580	Single Nozzle 1/4" BSPM Threads	\$42.78
b AGVM0230.14F	580	Single Nozzle with 1/4" BSPF Threads	\$42.78
c AGVM0230.38M	580	Single Nozzle with 3/8" BSPM Threads	\$42.78
Single Nozzle Complete without Anti-Drip Valve Ø 30 			
d AGVM0530.14M	580	Single Nozzle 1/4" BSPM Threads	\$36.87
e AGVM0530.14F	580	Single Nozzle with 1/4" BSPF Threads	\$36.87
f AGVM0530.38F	580	Single Nozzle with 3/8" BSPM Threads	\$36.87
Single Nozzle Complete w/Anti-Drip Valve Ø 18 			
g AGVM1318.14M	580	Single Nozzle 1/4" BSPM Threads	\$35.46
h AGVM1318.14F	580	Single Nozzle with 1/4" BSPF Threads	\$35.46
i AGVM1318.38M	580	Single Nozzle with 3/8" BSPM Threads	\$35.46
Single Nozzle Complete without Anti-Drip Valve Ø 18 			
j AGVM1418.14M	580	Single Nozzle 1/4" BSPM Threads	\$29.79
k AGVM1418.14F	580	Single Nozzle with 1/4" BSPF Threads	\$29.79
l AGVM1418.38M	580	Single Nozzle with 3/8" BSPM Threads	\$29.79

 - Valvolmeccanica. Made in Italy.

SPRAY NOZZLES




Nozzle complete with 1.5mm cone spray tip with a maximum operating pressure of 725 PSI. For use on air blast sprayers for vineyards and orchards. The spherical adjustable joint allows the nozzle positioning.



a-b



c-d

MOD	 MAX	DESCRIPTION	LIST PRICE
	psi		\$
Curved Atomizing Sprayer Nozzle 90 degree elbow with Adjustable Spherical Joint			
a AGVM1014	725	Atomizing Spray Nozzle with 1/4" BSPM Threads	\$51.06
b AGVM1038	725	Atomizing Spray Nozzle with 3/8" BSPM Threads	\$53.20
Straight Atomizing Sprayer Nozzle With Adjustable Spherical Joint			
c AGVM2014	725	Atomizing Spray Nozzle with 1/4" BSPM Threads	\$43.97
d AGVM2038	725	Atomizing Spray Nozzle with 3/8" BSPM Threads	\$50.36

- Valvolmeccanica. Made in Italy.

BUTTERFLY NOZZLES




a



b



c

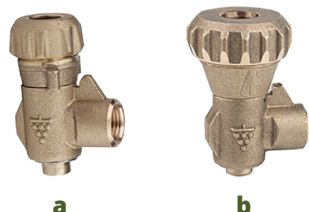
MOD	 MAX	DESCRIPTION	LIST PRICE
	psi		\$
Butterfly Nozzle Nozzle complete with Ø 15 ceramic spray tip. 1.2 mm orifice. For use on air blast sprayers for vineyards and orchards. The spray tip can be easily inspected and replaced. The spherical joint allows the nozzle positioning.			
a AGVM010C.14M	725	Butterfly Nozzle with 1.2 mm Orifice	\$34.04
b AGVM011T.14M	725	Butterfly Nozzle with Turbo and Anti-Drip 1.2 mm Orifice	\$62.55
Butterfly Nozzle with 1.2 mm orifice and complete with Turbo nozzle protector For use with air blast sprayers for spraying vineyards and orchards. The Turbo nozzle protector allows exceptional atomization of the spray product and excellent coverage.			
c AGVM0009T.14M	725	Butterfly Nozzle with 1.2 mm Orifice	\$37.53


- Valvolmeccanica. Made in Italy.




ACCESSORIES

ORCHARD SPRAYER NOZZLES




MOD		DESCRIPTION	LIST PRICE
	psi		\$
Nozzle Complete with 80° Cone Nozzle For use on air blast sprayers. Inlet port 1/4" BSP-F.			
a AGVM0718.14F	580	Orchard Sprayer Nozzle Ø 18	\$29.79
b AGVM0830.14F	580	Orchard Sprayer Nozzle Ø 30	\$37.60

 - Valvolmeccanica. Made in Italy.

LINE BRASS FILTERS



MOD		DESCRIPTION	LIST PRICE
	psi		\$
In Line Brass Filter with drain tap, for flow rate 0-18 GPM Maximum pressure 725 PSI. Port Size 1/2" BSP-F.			
a AGVMF002.12	725	Brass filter with swivel nut	\$81.61
b AGVMF002.1212	725	Brass filter with straight threads	\$85.11
c AGVMF10040	725	40 mesh filter element	\$17.74
d AGVMF10070	725	70 mesh filter element	\$20.57
e AGVMF10100	725	100 mesh filter element	\$21.28

In Line Brass Filter with drain tap, for flow rate 0-40 GPM

Maximum pressure 580 PSI. Filter with two inlets and two outlets for air blast sprayers for vineyard and orchard sprayers. Inlet ports are 1/2" BSPF ports for 3/4" BSPF.



f AGVMF003.12	580	Brass filter 1/2" BSP ports	\$121.27
g AGVMF003.34	580	Brass filter 3/4" BSP ports	\$121.27
h AGVMF50040	580	40 mesh filter element	\$20.57
i AGVMF50070	580	70 mesh filter element	\$23.41
j AGVMF50100	580	100 mesh filter element	\$24.11

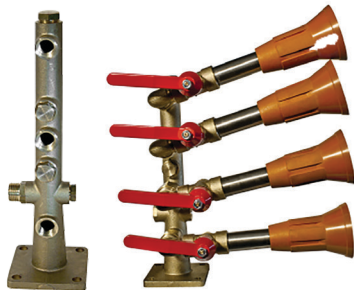
Filter for Spraying rated at 725 PSI Maximum pressure



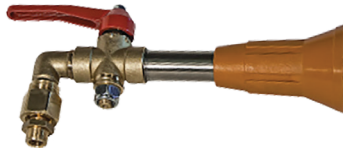
k AGFM004.12	725	Brass filter 1/2" BSPM with swivel nut	\$283.68
l AGVMF60010	725	10 mesh filter element	\$56.73
m AGVMF60050	725	50 mesh filter element	\$56.73

 - Valvolmeccanica. Made in Italy.

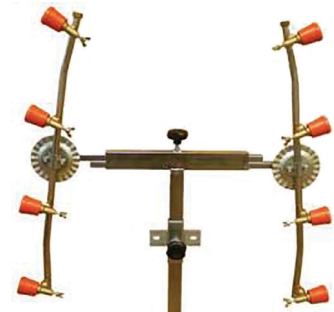
AGRICULTURE HIGH PRESSURE SPRAY LANCES



a-b



c-d



e-g

MOD	 psi	DESCRIPTION	LIST PRICE
			\$

Column Sprayer Boom



Available as bare column or complete with spray lances. Adjustable atomization for spraying trees, orchards, and vineyards.

a	AGVMCOL38	725	Bare Column Spraying Boom	\$102.84
b	AGVMCOL038C	725	Spray Column with 4 spray Lances	\$553.18

Butterfly Nozzle with 1.2 mm orifice and complete with Turbo Nozzle Protector



For use with air blast sprayers for spraying vineyards and orchards. The Turbo nozzle protector allows exceptional atomization of the spray product and excellent coverage.

c	AGVML009.14	725	8 GPM, 1.5 mm Std. Nozzle Size, 1/4" BSP-M Inlet	\$121.98
d	AGVML009.38	725	8 GPM, 1.5 mm Std. Nozzle Size, 3/8" BSP-M Inlet	\$124.12

T-Shaped Spray Boom Complete with Butterfly Nozzles

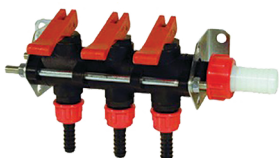


For use on trailed and towed sprayers for spraying vineyards, orchards and trees.

e	AGVMT001.3.3	725	Spray Boom with 3 Butterfly Nozzles on each side	\$602.83
f	AGVMT001.4.4	725	Spray Boom with 4 Butterfly Nozzles on each side	\$687.93
g	AGVMT001.5.5	725	Spray Boom with 5 Butterfly Nozzles on each side	\$801.40

- Valvolmeccanica. Made in Italy.

SPRAYER CONTROL



a

MOD	DESCRIPTION	LIST PRICE
		\$

Sprayer Control

Combined with chemical container rinse nozzle.

a	AGSC9003	Manual Spray Control, 3 Way	\$143.27
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ACCESSORIES

TANK RINSING NOZZLES



a



b



c



d



e

MOD	DESCRIPTION	LIST PRICE
		\$
Tank Rinsing Nozzle Performs 360 degree tank rinse. Supplied with a 1/2" hose barb connection.		
a AGRN8399	Tank rinsing nozzle	\$94.52
Tank Rinsing Nozzle Performs 360 degree tank rinse. Supplied with a 1/2" hose barb connector and on-off valve.		
b AGRN0839R	Tank rinsing nozzle	\$156.38
Chemical Container Rinse Nozzle Sharp edges of the rinse nozzle puncture the chemical container seal for operator safety. The nozzle rinses out the containers before disposal.		
c AGRN1165V	Chemical container rinsing nozzle	\$127.30
Rotating Spray Nozzles for Tank Cleaning Inlet is 1/2" hose barb. Rotating nozzles have full 360 degree coverage		
d AGRN0299	Tank rinsing nozzle	\$189.12
Rotating Spray Nozzles for Tank Cleaning Full 360 degree coverage. Extension can be built to order to meet varying tank sizes and shapes.		
e AGRN5614CP	Tank rinsing nozzle	\$280.05



POWDER MIXING ACCESSORIES

Powder Mixing Accessory is installed in the mixer hopper, mixes and dissolves powders, facilitating mixing them with water. It is made of anti-corrosive material and is pressure fed; its blade configuration allows the formation of a vortex inside the hopper to aid mixing.



a



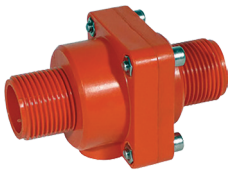
b



c

MOD	DESCRIPTION	LIST PRICE
		\$
Powder Mixing Accessory Combined with chemical container rinse nozzle.		
a AGMA3314.2	Powder mixing accessory	\$221.85
Powder Mixing Rotating Accessory in Vertical Mount Configuration		
b AGMA3314.1	Powder mixing accessory	\$79.98
Powder Mixing Accessory in Horizontal Mount Configuration		
c AGMA3314	Powder mixing accessory	\$87.25

CHECK VALVE



a

MOD	DESCRIPTION	LIST PRICE
		\$
Check Valve Check valves allow flow in one direction. O-rings are Viton® and internal parts are stainless steel.		
a AGCV4248	Check Valve 1 1/2" NPT, 53 GPM Max	\$149.11



ACCESSORIES

BALL VALVE



a

MOD	DESCRIPTION	LIST PRICE
		\$
5 Way Ball Valve in Corrosion Resistant I.X.E.F. Material 5 way configuration with Teflon® gaskets. O-rings are Viton® and internal parts are stainless steel.		
a AGBV3500	Ball Valve 1 1/2", 53 GPM, 725 PSI	\$598.93

INSTALLATION TOOLS



a



b

MOD	DESCRIPTION	LIST PRICE
		\$
Installation and Removal Tool for Spray Tips Makes installation and removal easy and safe.		
a AGIT4911	Installation Tool, Nozzle Cap, Universal	\$72.74
b AGIT4974	Installation Tool, Nozzle Cap, Hypro	\$72.74



BULK HEAD FITTINGS



a-h

MOD	DESCRIPTION	LIST PRICE
		\$
Bulk Head Fittings Polypropylene Bulkhead Fittings with Santoprene Gasket simplify the attachment of the tank plumbing.		
a AGBH12	Bulkhead Fitting 1/2"	\$38.28
b AGBH34	Bulkhead Fitting 3/4"	\$38.28
c AGBH100	Bulkhead Fitting 1"	\$48.30
d AGBH114	Bulkhead Fitting 1-1/4"	\$22.04
e AGBH112	Bulkhead Fitting 1-1/2"	\$21.05
f AGBH200	Bulkhead Fitting 2"	\$68.30
g AGBH300	Bulkhead Fitting 3"	\$54.00
h AGBH400	Bulkhead Fitting 4"	\$135.56

CLAMPS



a-d

MOD	SIZE	PORT	LIST PRICE
			\$
Clamps Clamps are for ball valves and other accessories that use the Universal flange. These clamps are easy to install and are UV protected.			
a AGUC100	M100	Full	\$14.77
b AGUC200	M200	Standard	\$17.10
c AGUC220	M220	Full	\$19.68
d AGUC300	M300	Full	\$23.31



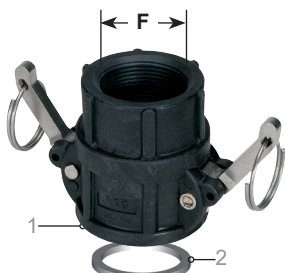
ACCESSORIES

CAM LOCK COUPLERS

Our comprehensive range of cam lever couplings are made from glass reinforced polypropylene for strength and durability, featuring stainless. They are interchangeable with other couplers and adapters. NBR standard gaskets.



a-d



e-j



k-p

MOD	THREAD	SIZE	F Ø	LIST PRICE
		in	in	\$

Cam Lock Couplers

a	AG8034226	Male adapter » Female thread	3/4"	3/4" NPT	\$5.13
b	AG8034276	Male adapter » Female thread	1"	1" NPT	\$5.13
c	AG8034376	Male adapter » Female thread	1-1/2"	1-1/2" NPT	\$6.24
d	AG8034426	Male adapter » Female thread	2"	2" NPT	\$9.79

Cam Lock Couplers

e	AG8034227	Female coupler » Male thread	3/4"	3/4" NPT	\$18.70
f	AG8034277	Female coupler » Male thread	1"	1" NPT	\$19.39
g	AG8034326	Female coupler » Male thread	1-1/4"	1-1/4" NPT	\$22.17
h	AG8034377	Female coupler » Male thread	1-1/2"	1-1/2" NPT	\$32.63
i	AG8034427	Female coupler » Male thread	2"	2" NPT	\$32.63
j	AG8034526	Female coupler » Male thread	3"	3" NPT	\$41.36

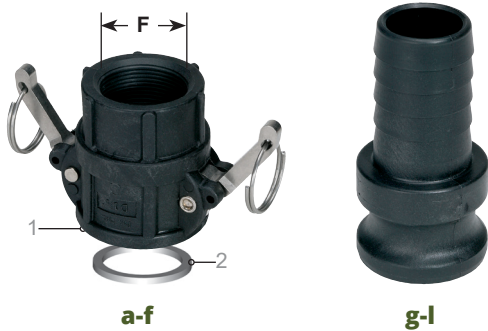
Cam Lock Couplers

k	AG8034203	Female coupler » Hosetail	3/4"	3/4"	\$20.58
l	AG8034253	Female coupler » Hosetail	1"	1"	\$22.61
m	AG8034304	Female coupler » Hosetail	1-1/4"	1-1/4"	\$34.47
n	AG8034354	Female coupler » Hosetail	1-1/2"	1-1/2"	\$34.52
o	AG8034403	Female coupler » Hosetail	2"	2"	\$37.18
p	AG8034503	Female coupler » Hosetail	3"	3"	\$57.58

SPARE PARTS

MOD (2 ONLY)	DESCRIPTION	LIST PRICE
AGG00002063	Gasket For 3/4" CamLock	\$0.72
AGG00002062	Gasket For 1" CamLock	\$0.84
AGG00002061	Gasket For 1-1/4" CamLock	\$2.06
AGG00002060	Gasket For 1-1/2" CamLock	\$2.56
AGG00002059	Gasket For 2" CamLock	\$1.13
AGG00002058	Flat Gasket For 3" CamLock	\$6.56

CAM LOCK COUPLERS



MOD (1 & 2)	THREAD	SIZE in	F Ø in	LIST PRICE \$
Cam Lock Couplers				
a AG8034229	Female coupler » Female thread	3/4"	3/4 NPT	\$19.33
b AG8034279	Female coupler » Female thread	1"	1 NPT	\$20.10
c AG8034328	Female coupler » Female thread	1 1/4"	1 1/4" NPT	\$32.63
d AG8034379	Female coupler » Female thread	1 1/2"	1 1/2" NPT	\$34.22
e AG8034429	Female coupler » Female thread	2"	2" NPT	\$39.97
f AG8034527	Female coupler » Female thread	3"	3" NPT	\$58.20
Cam Lock Couplers				
g AG8034205	Male adapter » Hosetail	3/4"	3/4"	\$5.08
h AG8034255	Male adapter » Hosetail	1"	1"	\$5.56
i AG8034307	Male adapter » Hosetail	1 1/4"	1 1/4"	\$10.43
j AG8034357	Male adapter » Hosetail	1 1/2"	1 1/2"	\$11.23
k AG8034405	Male adapter » Hosetail	2"	2"	\$12.84
l AG8034505	Male adapter » Hosetail	3"	3"	\$21.35

SPARE PARTS

MOD (2 ONLY)	DESCRIPTION	LIST PRICE
AGG00002063	Gasket For 3/4" CamLock	\$0.72
AGG00002062	Gasket For 1" CamLock	\$0.84
AGG00002061	Gasket For 1-1/4" CamLock	\$2.06
AGG00002060	Gasket For 1-1/2" CamLock	\$2.56
AGG00002059	Gasket For 2" CamLock	\$1.13
AGG00002058	Flat Gasket For 3" CamLock	\$6.56



ACCESSORIES

CAM LOCK COUPLERS



a-f



g-l



m-r

MOD	THREAD	SIZE	LIST PRICE
		in	\$
Cam Lock Couplers			
AG8034230	Male adapter » Male thread	3/4" NPT	\$5.48
AG8034280	Male adapter » Male thread	1" NPT	\$5.68
AG8034329	Male adapter » Male thread	1 1/4" NPT	\$6.37
AG8034380	Male adapter » Male thread	1 1/2" NPT	\$6.37
AG8034430	Male adapter » Male thread	2" NPT	\$7.61
AG8034528	Male adapter » Male thread	3"	\$17.31
Cap for Female Coupler			
AG8034207	Cap for female coupler	3/4"	\$20.84
AG8034257	Cap for female coupler	1"	\$23.01
AG8034309	Cap for female coupler	1 1/4"	\$34.21
AG8034359	Cap for female coupler	1 1/2"	\$33.43
AG8034407	Cap for female coupler	2"	\$33.77
AG8034507	Cap for female coupler	3"	\$54.79
Cap for Male Adapter			
AG8034208	Cap for male adapter	3/4"	\$5.62
AG8034258	Cap for male adapter	1"	\$5.21
AG8034310	Cap for male adapter	1 1/4"	\$7.59
AG8034360	Cap for male adapter	1 1/2"	\$7.59
AG8034408	Cap for male adapter	2"	\$10.43
AG8034508	Cap for male adapter	3"	\$16.05

SPARE PARTS

MOD (2 ONLY)	DESCRIPTION	LIST PRICE
AGG00002063	Gasket For 3/4" CamLock	\$0.72
AGG00002062	Gasket For 1" CamLock	\$0.84
AGG00002061	Gasket For 1-1/4" CamLock	\$2.06
AGG00002060	Gasket For 1-1/2" CamLock	\$2.56
AGG00002059	Gasket For 2" CamLock	\$1.13
AGG00002058	Flat Gasket For 3" CamLock	\$6.56

ACCESSORIES



12V DIAPHRAGM PUMP & WIRING HARNESS



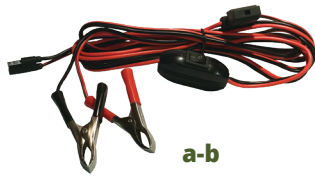
a

MOD	CONNECTION	 MAX psi	 MAX gpm	LIST PRICE \$
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Positive Displacement 12 VDC Diaphragm Pump

Pressure switch. Self Priming to 4', with Run Dry Capability.

a AG12V1	3/8" Hose Barb	45	1	\$50.86
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a-b

MOD	DESCRIPTION	LIST PRICE \$
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Wiring Harness

a AGWH001	Wiring Harness w/Battery Clips, Fuse, On-Off Switch, 120" Length. Connection: Std Quick Connect. Use with AG12V1 Pump.	\$18.72
b AGWH002	Heavy Duty Wiring Harness On-Off Switch with Battery Clamps	\$75.43

HYDRAULIC DRIVEN PRESSURE WASHERS



a-c

MOD	MOTOR	 MAX psi	 MAX gpm	GARDEN HOSE INPUT in	QUICK DISCONNECT OUTLET in	HOSE ft	LIST PRICE \$
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Heavy Duty Triplex Plunger Pumps

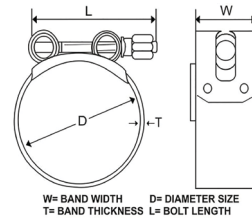
Includes Ergonomic Spray Gun, Hi-Lo Variable Angle Nozzle and Chemical Injector.

a HYD-RK1520-1000	Efficient Hydraulic Motor	1000	3	3/4"	3/8"	50'	\$2,124.63
b HYD-RK1520-1500	Efficient Hydraulic Motor	1500	4	3/4"	3/8"	50'	\$2,124.63
c HYD-RK1520-2000	Efficient Hydraulic Motor	2000	4	3/4"	3/8"	50'	\$2,124.63



ACCESSORIES

T-BOLT SUPER CLAMP



Construction: Bolt: T Head bolt grade 8.8, available in Galvanized Steel and Stainless Steel AISI 304.

Feature: Superex clamps are heavy duty clamps having high band tension; designed for sealing suction and pressure lines. Smooth underside and rolled-up band edges are gentle on the hose and reduce risk of leakages. Uniquely designed bridge for clamp provides optional hose protection. Contains three welding points for increased security for large sizes. Hollow rollers provide high uniform torque and eliminate chances of damage to the band.

Application: Heavy duty clamp for heavy gauge reinforced hoses used for agriculture and industrial usage. Main applications include vehicle construction, agricultural machines and vehicles, ship building, recycling, biogas, industrial plant construction, rail vehicles, construction industry, etc.

MOD	HOSE O.D. (D)	BANDWIDTH (W)	BAND THICKNESS (T)	LIST PRICE
	in	in	in	\$

Galvanized Steel (W1)

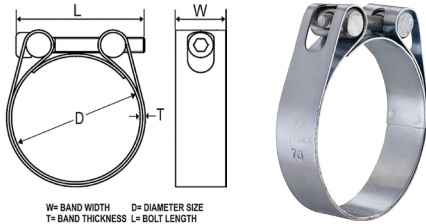
17-19 W1	5/8"-3/4"	7/10"	1/50"	\$1.49
20-22 W1	5/8"-3/4"	7/10"	1/50"	\$1.49
23-25 W1	7/8"-1"	7/10"	1/50"	\$1.60
26-28 W1	1"-1 1/8"	7/10"	1/50"	\$1.60
29-31 W1	1 1/8"-1 1/4"	4/5"	6/50"	\$1.80
32-35 W1	1 1/4"-1 3/8"	4/5"	6/50"	\$1.92
36-39 W1	1 3/8"-1 1/2"	4/5"	6/50"	\$2.01
40-43 W1	1 1/2"-1 11/16"	4/5"	6/50"	\$2.77
44-47 W1	1 11/16"-1 7/8"	4/5"	2/50"	\$2.77
48-51 W1	1 7/8"-2"	4/5"	2/50"	\$2.77
52-55 W1	2"-2 3/16"	4/5"	2/50"	\$2.86
56-59 W1	2 3/16"-2 5/16"	4/5"	2/50"	\$2.98
60-63 W1	2 5/16"-2 1/2"	4/5"	2/50"	\$2.98
64-67 W1	2 1/2"-2 5/8"	4/5"	2/50"	\$3.08
68-73 W1	2 5/8"-2 7/8"	47/50"	3/50"	\$4.04
74-79 W1	2 7/8"-3 1/8"	47/50"	3/50"	\$4.14
80-85 W1	3 1/8"-3 5/16"	47/50"	3/50"	\$4.25
86-91 W1	3 3/8"-3 11/16"	47/50"	3/50"	\$4.47
92-97 W1	3 11/16"-3 13/16"	47/50"	3/50"	\$4.47
98-103 W1	3 13/16"-4 1/16"	47/50"	3/50"	\$4.57
104-112 W1	4 1/16"-4 7/16"	47/50"	3/50"	\$4.68
113-121 W1	4 7/16"-4 3/4"	47/50"	3/50"	\$4.89
122-130 W1	4 3/4"-5 1/8"	47/50"	3/50"	\$4.99
131-139 W1	5 1/8"-5 1/2"	47/50"	3/50"	\$6.58
140-148 W1	5 1/2"-5 7/8"	1 1/50"	3/50"	\$6.68
149-161 W1	5 7/8"-6 5/16"	1 1/50"	3/50"	\$7.12
162-174 W1	6 5/16"-6 7/8"	1 1/50"	3/50"	\$7.44
175-187 W1	6 7/8"-7 3/8"	1 1/50"	3/50"	\$7.55
188-200 W1	7 3/8"-7 7/8"	1 1/50"	3/50"	\$7.86
201-213 W1	7 7/8"-8 3/8"	1 1/50"	3/50"	\$7.86
214-226 W1	8 3/8"-8 7/8"	1 1/50"	3/50"	\$8.18
227-239 W1	8 7/8"-9 3/8"	1 1/50"	3/50"	\$8.28
240-252 W1	9 3/8"-9 15/16"	1 1/50"	3/50"	\$8.61
254-267 W1	9 15/16"-10 1/2"	1 1/50"	3/50"	\$9.25
304-316 W1	11 15/16"-12 7/16"	1 1/50"	3/50"	\$9.56

MOD	HOSE O.D. (D)	BANDWIDTH (W)	BAND THICKNESS (T)	LIST PRICE
	in	in	in	\$

Stainless Steel AISI 304 (W4)

29-31 W4	1 1/8"-1 1/4"	4/5"	6/50"	\$4.99
32-35 W4	1 1/4"-1 3/8"	4/5"	6/50"	\$5.11
36-39 W4	1 3/8"-1 1/2"	4/5"	6/50"	\$5.21
40-43 W4	1 1/2"-1 11/16"	4/5"	6/50"	\$5.48
44-47 W4	1 11/16"-1 7/8"	4/5"	6/50"	\$5.95
48-51 W4	1 7/8"-2"	4/5"	6/50"	\$6.06
52-55 W4	2"-2 3/16"	4/5"	6/50"	\$6.39
56-59 W4	2 3/16"-2 5/16"	4/5"	6/50"	\$6.58
60-63 W4	2 5/16"-2 1/2"	4/5"	6/50"	\$6.80
64-67 W4	2 1/2"-2 5/8"	4/5"	6/50"	\$7.00
68-73 W4	2 5/8"-2 7/8"	47/50"	1/25"	\$8.82
74-79 W4	2 7/8"-3 1/8"	47/50"	1/25"	\$9.03
80-85 W4	3 1/8"-3 5/16"	47/50"	1/25"	\$9.35
86-91 W4	3 3/8"-3 11/16"	47/50"	1/25"	\$9.46
92-97 W4	3 11/16"-3 13/16"	47/50"	1/25"	\$9.89
98-103 W4	3 13/16"-4 1/16"	47/50"	1/25"	\$9.98
104-112 W4	4 1/16"-4 7/16"	47/50"	1/25"	\$10.84
113-121 W4	4 7/16"-4 3/4"	47/50"	1/25"	\$10.95
122-130 W4	4 3/4"-5 1/8"	47/50"	1/25"	\$11.46
131-139 W4	5 1/8"-5 1/2"	47/50"	1/25"	\$16.25
140-148 W4	5 1/2"-5 7/8"	1 1/50"	1/25"	\$16.57
149-161 W4	5 7/8"-6 5/16"	1 1/50"	1/25"	\$17.74
162-174 W4	6 5/16"-6 7/8"	1 1/50"	1/25"	\$17.95
175-187 W4	6 7/8"-7 3/8"	1 1/50"	1/25"	\$18.28
188-200 W4	7 3/8"-7 7/8"	1 1/50"	1/25"	\$19.12
201-213 W4	7 7/8"-8 3/8"	1 1/50"	1/25"	\$19.33
214-226 W4	8 3/8"-8 7/8"	1 1/50"	1/25"	\$19.65
227-239 W4	8 7/8"-9 3/8"	1 1/50"	1/25"	\$20.51
240-252 W4	9 3/8"-9 15/16"	1 1/50"	1/25"	\$20.82
254-267 W4	9 15/16"-10 1/2"	1 1/50"	1/25"	\$21.35
304-316 W4	11 15/16"-12 7/16"	1 1/50"	1/25"	\$22.09

SUPEREXTRA SINGLE BOLT CLAMP



Construction: Bolt: Socket head grade 8.8. Available in Galvanized Steel, Stainless Steel AISI 304 and AISI 316.

Feature: Clamp has a double band making it a very strong heavy duty clamp. Bridge welded onto lamp for optional hose protection. Solid metal rollers complement the strength of the double band. Socket head screws allow for easy installation with allen key.

Application: Double bank make clamp ideal for heavy applications. Main applications are heavy vehicles and industrial machinery. Availability of clamp in AISI 316 make it popular for use in marine and offshore applications.

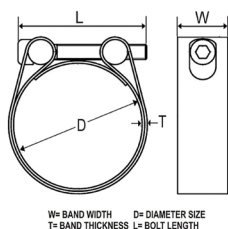
MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BAND WIDTH (W)	BAND THICKNESS (T)	BOLT LENGTH (L)	LIST PRICE
		in	in	in		\$
Galvanized Steel (W1)						
S-35 W1	30 - 36	1 3/16"-1 7/16"	4/5"	1/50"	1 4/5"	\$3.62
S-40 W1	35 - 41	1 3/8"-1 5/8"	4/5"	1/50"	1 4/5"	\$3.71
S-45 W1	40 - 46	1 9/16"-1 13/16"	4/5"	1/50"	1 4/5"	\$3.71
S-50 W1	45 - 51	1 3/4"-2"	4/5"	1/50"	1 4/5"	\$3.82
S-55 W1	50 - 56	2"-2 3/16"	4/5"	1/50"	1 4/5"	\$3.93
S-60 W1	55 - 61	2 3/16"-2 3/8"	4/5"	1/50"	1 4/5"	\$4.04
S-65 W1	60 - 66	2 3/8"-2 5/8"	4/5"	1/50"	1 4/5"	\$4.35
S-70 W1	65 - 71	2 9/16"-2 13/16"	4/5"	1/50"	1 4/5"	\$4.47
S-75 W1	70 - 76	2 3/4"-3"	4/5"	1/50"	1 4/5"	\$4.47
S-80 W1	75 - 76	2 15/16"-3 3/16"	4/5"	1/50"	1 4/5"	\$4.57
S-85 W1	80 - 86	3 1/8"-3 3/8"	4/5"	1/50"	1 4/5"	\$4.68
S-90 W1	85 - 91	3 3/8"-3 9/16"	4/5"	1/50"	1 4/5"	\$4.68
S-95 W1	90 - 96	3 9/16"-3 3/4"	4/5"	1/50"	1 4/5"	\$4.78
S-100 W1	95 - 101	3 3/4"-4"	4/5"	1/50"	1 4/5"	\$4.89
S-105 W1	100 - 106	3 15/16"-4 3/16"	4/5"	1/50"	1 4/5"	\$5.11
S-110 W1	105 - 111	4 1/8"-4 3/8"	4/5"	1/50"	1 4/5"	\$5.21
S-115 W1	110 - 116	4 5/16"-4 9/16"	4/5"	1/50"	1 4/5"	\$5.31
S-120 W1	115 - 121	4 1/2"-4 3/4"	4/5"	1/50"	1 4/5"	\$5.42
S-125 W1	120 - 126	4 11/16"-4 15/16"	4/5"	1/50"	1 4/5"	\$5.52
S-130 W1	125 - 131	4 15/16"-5 1/8"	4/5"	1/50"	1 4/5"	\$5.75
S-135 W1	130 - 136	5 1/8"-5 5/16"	4/5"	1/50"	1 4/5"	\$5.75
S-140 W1	135 - 141	5 5/16"-5 9/16"	4/5"	1/50"	1 4/5"	\$5.84
S-145 W1	140 - 146	5 1/2"-5 3/4"	4/5"	1/50"	1 4/5"	\$5.95
S-150 W1	145 - 151	5 11/16"-5 15/16"	4/5"	1/50"	1 4/5"	\$5.95

MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BAND WIDTH (W)	BAND THICKNESS (T)	BOLT LENGTH (L)	LIST PRICE
		in	in	in		\$
Stainless Steel AISI 304 (W4)						
S-35 W4	30 - 36	1 3/16"-1 7/16"	4/5"	1/50"	1 4/5"	\$9.56
S-40 W4	35 - 41	1 3/8"-1 5/8"	4/5"	1/50"	1 4/5"	\$9.77
S-45 W4	40 - 46	1 9/16"-1 13/16"	4/5"	1/50"	1 4/5"	\$9.98
S-50 W4	45 - 51	1 3/4"-2"	4/5"	1/50"	1 4/5"	\$10.09
S-55 W4	50 - 56	2"-2 3/16"	4/5"	1/50"	1 4/5"	\$10.53
S-60 W4	55 - 61	2 3/16"-2 3/8"	4/5"	1/50"	1 4/5"	\$10.84
S-65 W4	60 - 66	2 3/8"-2 5/8"	4/5"	1/50"	1 4/5"	\$10.95
S-70 W4	65 - 71	2 9/16"-2 13/16"	4/5"	1/50"	1 4/5"	\$11.37
S-75 W4	70 - 76	2 3/4"-3"	4/5"	1/50"	1 4/5"	\$11.59
S-80 W4	75 - 76	2 15/16"-3 3/16"	4/5"	1/50"	1 4/5"	\$11.79
S-85 W4	80 - 86	3 1/8"-3 3/8"	4/5"	1/50"	1 4/5"	\$11.79
S-90 W4	85 - 91	3 3/8"-3 9/16"	4/5"	1/50"	1 4/5"	\$12.11
S-95 W4	90 - 96	3 9/16"-3 3/4"	4/5"	1/50"	1 4/5"	\$12.54
S-100 W4	95 - 101	3 3/4"-4"	4/5"	1/50"	1 4/5"	\$12.75
S-105 W4	100 - 106	3 15/16"-4 3/16"	4/5"	1/50"	1 4/5"	\$12.96
S-110 W4	105 - 111	4 1/8"-4 3/8"	4/5"	1/50"	1 4/5"	\$13.49
S-115 W4	110 - 116	4 5/16"-4 9/16"	4/5"	1/50"	1 4/5"	\$13.70
S-120 W4	115 - 121	4 1/2"-4 3/4"	4/5"	1/50"	1 4/5"	\$14.03
S-125 W4	120 - 126	4 11/16"-4 15/16"	4/5"	1/50"	1 4/5"	\$14.44
S-130 W4	125 - 131	4 15/16"-5 1/8"	4/5"	1/50"	1 4/5"	\$14.76
S-135 W4	130 - 136	5 1/8"-5 5/16"	4/5"	1/50"	1 4/5"	\$14.98
S-140 W4	135 - 141	5 5/16"-5 9/16"	4/5"	1/50"	1 4/5"	\$15.19
S-145 W4	140 - 146	5 1/2"-5 3/4"	4/5"	1/50"	1 4/5"	\$15.40
S-150 W4	145 - 151	5 11/16"-5 15/16"	4/5"	1/50"	1 4/5"	\$15.51



ACCESSORIES

SUPEREXTRA SINGLE BOLT CLAMP



Construction: Bolt: Socket head grade 8.8. Available in Galvanized Steel, Stainless Steel AISI 304 and AISI 316.

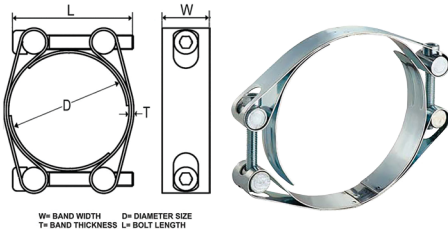
Feature: Clamp has a double band making it a very strong heavy duty clamp. Bridge welded onto lamp for optional hose protection. Solid metal rollers complement the strength of the double band. Socket head screws allow for easy installation with allen key.

Application: Double bank make clamp ideal for heavy applications. Main applications are heavy vehicles and industrial machinery. Availability of clamp in AISI 316 make it popular for use in marine and offshore applications.

MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BAND WIDTH (W)	BAND THICKNESS (T)	BOLT LENGTH (L)	LIST PRICE
		in	in	in		\$
Stainless Steel AISI 316 (W5)						
S-35 W5	30 - 36	1 3/16"-1 7/16"	4/5"	1/50"	1 4/5"	\$14.23
S-40 W5	35 - 41	1 3/8"-1 5/8"	4/5"	1/50"	1 4/5"	\$14.34
S-45 W5	40 - 46	1 9/16"-1 13/16"	4/5"	1/50"	1 4/5"	\$14.76
S-50 W5	45 - 51	1 3/4"-2"	4/5"	1/50"	1 4/5"	\$14.98
S-55 W5	50 - 56	2"-2 3/16"	4/5"	1/50"	1 4/5"	\$15.40
S-60 W5	55 - 61	2 3/16"-2 3/8"	4/5"	1/50"	1 4/5"	\$15.73
S-65 W5	60 - 66	2 3/8"-2 5/8"	4/5"	1/50"	1 4/5"	\$16.25
S-70 W5	65 - 71	2 9/16"-2 13/16"	4/5"	1/50"	1 4/5"	\$16.57
S-75 W5	70 - 76	2 3/4"-3"	4/5"	1/50"	1 4/5"	\$17.31
S-80 W5	75 - 76	2 15/16"-3 3/16"	4/5"	1/50"	1 4/5"	\$17.74
S-85 W5	80 - 86	3 1/8"-3 3/8"	4/5"	1/50"	1 4/5"	\$18.07
S-90 W5	85 - 91	3 3/8"-3 9/16"	4/5"	1/50"	1 4/5"	\$18.38
S-95 W5	90 - 96	3 9/16"-3 3/4"	4/5"	1/50"	1 4/5"	\$18.81
S-100 W5	95 - 101	3 3/4"-4"	4/5"	1/50"	1 4/5"	\$19.54
S-105 W5	100 - 106	3 15/16"-4 3/16"	4/5"	1/50"	1 4/5"	\$20.18
S-110 W5	105 - 111	4 1/8"-4 3/8"	4/5"	1/50"	1 4/5"	\$20.93
S-115 W5	110 - 116	4 5/16"-4 9/16"	4/5"	1/50"	1 4/5"	\$21.35
S-120 W5	115 - 121	4 1/2"-4 3/4"	4/5"	1/50"	1 4/5"	\$21.67
S-125 W5	120 - 126	4 11/16"-4 15/16"	4/5"	1/50"	1 4/5"	\$21.99
S-130 W5	125 - 131	4 15/16"-5 1/8"	4/5"	1/50"	1 4/5"	\$22.42
S-135 W5	130 - 136	5 1/8"-5 5/16"	4/5"	1/50"	1 4/5"	\$22.74
S-140 W5	135 - 141	5 5/16"-5 9/16"	4/5"	1/50"	1 4/5"	\$23.15
S-145 W5	140 - 146	5 1/2"-5 3/4"	4/5"	1/50"	1 4/5"	\$23.79
S-150 W5	145 - 151	5 11/16"-5 15/16"	4/5"	1/50"	1 4/5"	\$24.53



SUPEREXTRA DOUBLE BOLT CLAMP



Construction: Bolt: Socket head grade 8.8. Available in Galvanized Steel, Stainless Steel AISI 304 and AISI 316.

Feature: Heavy duty clamp having double screws providing it a high clamping force. Clamp has a double band making it a very strong heavy duty clamp. Contains 2 bridges welded onto the clamp band for optimal hose protection. Contains 2 pairs of solid metal rollers which complement the strength of the double band. The double bolts allow for easy fitting on prefixed hoses. Socket head screws allow for easy installation with allen key.

Application: Ideal for applications where higher pressure and greater strength is required. Main applications are heavy vehicles and industrial machinery. Availability of clamp in AISI 316 make it popular for use in marine and offshore applications.

MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BANDWIDTH (W)	LIST PRICE
	in	in		\$

Galvanized Steel (W1)

SD-50 W1	41 - 51	1 5/8"-2"	4/5"	\$6.53
SD-55 W1	46 - 56	1 13/16"-2 3/16"	4/5"	\$6.60
SD-60 W1	51 - 61	2"-2 3/8"	4/5"	\$6.62
SD-65 W1	56 - 66	2 3/16"-2 9/16"	4/5"	\$6.65
SD-70 W1	61 - 71	2 3/8"-2 13/16"	4/5"	\$6.82
SD-75 W1	66 - 76	2 9/16"-3"	4/5"	\$6.68
SD-80 W1	71 - 81	2 13/16"-3 3/16"	4/5"	\$6.80
SD-85 W1	76 - 86	3"-3 3/8"	4/5"	\$6.91
SD-90 W1	81 - 91	3 3/16"-3 9/16"	4/5"	\$7.12
SD-95 W1	86 - 96	3 3/8"-3 3/4"	4/5"	\$7.22
SD-100 W1	91 - 101	3 9/16"-4"	4/5"	\$7.32
SD-105 W1	96 - 106	3 13/16"-4 3/16"	4/5"	\$7.55
SD-110 W1	101 - 111	4"-4 3/8"	4/5"	\$7.64
SD-115 W1	106 - 116	4 3/16"-4 9/16"	4/5"	\$7.76
SD-120 W1	111 - 121	4 3/8"-4 3/4"	4/5"	\$7.97
SD-125 W1	116 - 126	4 9/16"-4 15/16"	4/5"	\$8.08
SD-130 W1	121 - 131	4 3/4"-5 1/8"	4/5"	\$8.18
SD-135 W1	126 - 136	4 15/16"-5 5/16"	4/5"	\$8.39
SD-140 W1	131 - 141	5 1/8"-5 9/16"	4/5"	\$8.49
SD-145 W1	136 - 146	5 5/16"-5 3/4"	4/5"	\$8.71
SD-150 W1	141 - 151	5 9/16"-5 15/16"	4/5"	\$8.82
SD-155 W1	146 - 156	5 3/4"-6 1/8"	4/5"	\$8.92
SD-160 W1	151 - 161	5 15/16"-6 5/16"	4/5"	\$8.92
SD-165 W1	156 - 166	6 1/8"-6 9/16"	4/5"	\$9.13
SD-170 W1	161 - 171	6 5/16"-6 3/4"	4/5"	\$9.25
SD-175 W1	166 - 176	6 9/16"-6 15/16"	4/5"	\$9.35
SD-180 W1	171 - 181	6 3/4"-7 1/8"	4/5"	\$9.35

MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BANDWIDTH (W)	LIST PRICE
	in	in		\$

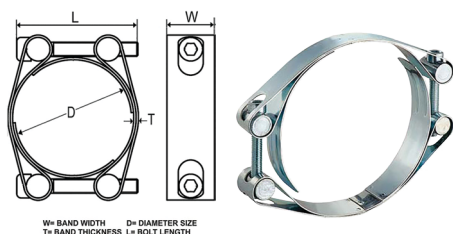
Stainless Steel AISI 304 (W4)

SD-50 W4	41 - 51	1 5/8"-2"	4/5"	\$16.15
SD-55 W4	46 - 56	1 13/16"-2 3/16"	4/5"	\$17.53
SD-60 W4	51 - 61	2"-2 3/8"	4/5"	\$17.74
SD-65 W4	56 - 66	2 3/16"-2 9/16"	4/5"	\$18.07
SD-70 W4	61 - 71	2 3/8"-2 13/16"	4/5"	\$18.17
SD-75 W4	66 - 76	2 9/16"-3"	4/5"	\$18.38
SD-80 W4	71 - 81	2 13/16"-3 3/16"	4/5"	\$19.12
SD-85 W4	76 - 86	3"-3 3/8"	4/5"	\$19.54
SD-90 W4	81 - 91	3 3/16"-3 9/16"	4/5"	\$19.75
SD-95 W4	86 - 96	3 3/8"-3 3/4"	4/5"	\$20.07
SD-100 W4	91 - 101	3 9/16"-4"	4/5"	\$20.39
SD-105 W4	96 - 106	3 13/16"-4 3/16"	4/5"	\$20.71
SD-110 W4	101 - 111	4"-4 3/8"	4/5"	\$21.03
SD-115 W4	106 - 116	4 3/16"-4 9/16"	4/5"	\$21.45
SD-120 W4	111 - 121	4 3/8"-4 3/4"	4/5"	\$21.70
SD-125 W4	116 - 126	4 9/16"-4 15/16"	4/5"	\$21.98
SD-130 W4	121 - 131	4 3/4"-5 1/8"	4/5"	\$22.25
SD-135 W4	126 - 136	4 15/16"-5 5/16"	4/5"	\$22.42
SD-140 W4	131 - 141	5 1/8"-5 9/16"	4/5"	\$23.15
SD-145 W4	136 - 146	5 5/16"-5 3/4"	4/5"	\$23.79
SD-150 W4	141 - 151	5 9/16"-5 15/16"	4/5"	\$24.01
SD-155 W4	146 - 156	5 3/4"-6 1/8"	4/5"	\$24.12
SD-160 W4	151 - 161	5 15/16"-6 5/16"	4/5"	\$24.23
SD-165 W4	156 - 166	6 1/8"-6 9/16"	4/5"	\$24.53
SD-170 W4	161 - 171	6 5/16"-6 3/4"	4/5"	\$24.96
SD-175 W4	166 - 176	6 9/16"-6 15/16"	4/5"	\$25.29
SD-180 W4	171 - 181	6 3/4"-7 1/8"	4/5"	\$25.60



ACCESSORIES

SUPEREXTRA DOUBLE BOLT CLAMP



Construction: Bolt: Socket head grade 8.8. Available in Galvanized Steel, Stainless Steel AISI 304 and AISI 316.

Feature: Heavy duty clamp having double screws providing it a high clamping force. Clamp has a double band making it a very strong heavy duty clamp. Contains 2 bridges welded onto the clamp band for optimal hose protection. Contains 2 pairs of solid metal rollers which complement the strength of the double band. The double bolts allow for easy fitting on prefixed hoses. Socket head screws allow for easy installation with allen key.

Application: Ideal for applications where higher pressure and greater strength is required. Main applications are heavy vehicles and industrial machinery. Availability of clamp in AISI 316 make it popular for use in marine and offshore applications.

MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BANDWIDTH (W)	LIST PRICE
		in	in	\$

Stainless Steel AISI 316 (W5)

SD-50 W5	41 - 51	1 5/8"-2"	4/5"	\$25.25
SD-55 W5	46 - 56	1 13/16"-2 3/16"	4/5"	\$25.49
SD-60 W5	51 - 61	2"-2 3/8"	4/5"	\$26.35
SD-65 W5	56 - 66	2 3/16"-2 9/16"	4/5"	\$26.56
SD-70 W5	61 - 71	2 3/8"-2 13/16"	4/5"	\$27.09
SD-75 W5	66 - 76	2 9/16"-3"	4/5"	\$27.41
SD-80 W5	71 - 81	2 13/16"-3 3/16"	4/5"	\$28.90
SD-85 W5	76 - 86	3"-3 3/8"	4/5"	\$29.22
SD-90 W5	81 - 91	3 3/16"-3 9/16"	4/5"	\$29.63
SD-95 W5	86 - 96	3 3/8"-3 3/4"	4/5"	\$30.37
SD-100 W5	91 - 101	3 9/16"-4"	4/5"	\$31.02
SD-105 W5	96 - 106	3 13/16"-4 3/16"	4/5"	\$31.77
SD-110 W5	101 - 111	4"-4 3/8"	4/5"	\$32.51
SD-115 W5	106 - 116	4 3/16"-4 9/16"	4/5"	\$33.25
SD-120 W5	111 - 121	4 3/8"-4 3/4"	4/5"	\$34.00
SD-125 W5	116 - 126	4 9/16"-4 15/16"	4/5"	\$34.32
SD-130 W5	121 - 131	4 3/4"-5 1/8"	4/5"	\$34.64
SD-135 W5	126 - 136	4 15/16"-5 5/16"	4/5"	\$35.05
SD-140 W5	131 - 141	5 1/8"-5 9/16"	4/5"	\$36.11
SD-145 W5	136 - 146	5 5/16"-5 3/4"	4/5"	\$36.85
SD-150 W5	141 - 151	5 9/16"-5 15/16"	4/5"	\$37.18
SD-155 W5	146 - 156	5 3/4"-6 1/8"	4/5"	\$37.50
SD-160 W5	151 - 161	5 15/16"-6 5/16"	4/5"	\$37.91
SD-165 W5	156 - 166	6 1/8"-6 9/16"	4/5"	\$38.24
SD-170 W5	161 - 171	6 5/16"-6 3/4"	4/5"	\$38.99
SD-175 W5	166 - 176	6 9/16"-6 15/16"	4/5"	\$39.41
SD-180 W5	171 - 181	6 3/4"-7 1/8"	4/5"	\$39.73

MOD	HOSE O.D. - MM (D)	HOSE O.D. (D)	BANDWIDTH (W)	LIST PRICE
		in	in	\$

Galvanized Steel (W1)

D-70 W1	61 - 71	2 3/8"-2 13/16"	49/50"	\$9.25
D-75 W1	66 - 76	2 5/8"-3"	49/50"	\$9.35
D-80 W1	71 - 81	2 13/16"-3 3/16"	49/50"	\$9.56
D-85 W1	76 - 86	3"-3 3/8"	49/50"	\$9.56
D-90 W1	81 - 91	3 3/16"-3 9/16"	49/50"	\$9.77
D-95 W1	86 - 96	3 3/8"-3 3/4"	49/50"	\$9.89
D-100 W1	91 - 101	3 9/16"-4"	49/50"	\$10.09
D-105 W1	96 - 106	3 13/16"-4 3/16"	49/50"	\$10.20
D-110 W1	101 - 111	4"-4 3/8"	49/50"	\$10.41
D-115 W1	106 - 116	4 3/16"-4 9/16"	49/50"	\$10.53
D-120 W1	111 - 121	4 3/8"-4 3/4"	49/50"	\$10.73
D-125 W1	116 - 126	4 9/16"-4 15/16"	49/50"	\$10.84
D-130 W1	121 - 131	4 3/4"-5 1/8"	49/50"	\$10.95
D-135 W1	126 - 136	4 15/16"-5 3/8"	49/50"	\$11.05
D-140 W1	131 - 141	5 1/8"-5 9/16"	49/50"	\$11.15
D-145 W1	136 - 146	5 3/8"-5 3/4"	49/50"	\$11.59
D-150 W1	141 - 151	5 9/16"-5 15/16"	49/50"	\$11.69
D-155 W1	146 - 156	5 3/4"-6 1/8"	49/50"	\$11.79
D-160 W1	151 - 161	5 15/16"-6 5/16"	49/50"	\$11.90
D-165 W1	156 - 166	6 1/8"-6 9/16"	49/50"	\$12.11
D-170 W1	161 - 171	6 5/16"-6 3/4"	49/50"	\$12.33
D-175 W1	166 - 176	6 9/16"-6 15/16"	49/50"	\$12.42
D-180 W1	171 - 181	6 3/4"-7 1/8"	49/50"	\$12.54
D-185 W1	176 - 186	6 15/16"-7 5/16"	49/50"	\$12.54
D-190 W1	181 - 191	7 1/8"-7 1/2"	49/50"	\$12.63
D-195 W1	186 - 196	7 5/16"-7 11/16"	49/50"	\$12.75
D-200 W1	191 - 201	7 1/2"-7 15/16"	49/50"	\$12.75
D-210 W1	201 - 211	7 15/16"-8 5/16"	49/50"	\$12.85
D-220 W1	211 - 221	8 5/16"-8 11/16"	49/50"	\$12.96
D-230 W1	221 - 231	8 11/16"-9 1/16"	49/50"	\$12.96

SPIRAL CLAMP & WHIPCHECK



Spiral Clamp:

Construction: Available in Trivalent Plating. Available for clockwise and anti-clockwise spirals.

Feature: Total 360 degree vacuum seal. Single clamp provides adequate. Torque to replace 2 conventional clamps on spiral hoses. Clamp is reusable; often referred to as a lifetime heavy duty clamp.

Application: Ideal for convoluted hoses used in fluid and chemical transfer, food and syrup handling, water suction and discharge, vacuum lines, slurry handling, etc.

MOD	SIZE	FITS HOSES	LIST PRICE
		in	\$
Spiral Clamp - Trivalent Plating			
PC-37C	37 - 50	1 1/2"	\$11.05
PC-50C	50 - 65	2"	\$12.85
PC-65C	65 - 75	2 1/2"	\$14.76
PC-75C	75 - 90	3"	\$18.38
PC-100C	100 - 115	4"	\$22.09
PC-125C	125 - 143	5"	\$29.43
PC-150C	150 - 167	6"	\$32.40
PC-200C	200 - 230	8"	\$44.19
PC-250C	250 - 285	10"	\$58.97
PC-300C	300 - 340	12"	\$73.73



Whipcheck:

A pressurized air hose in case of hose failure or accidental uncoupling could cause the hose assembly to whip violently due to the sudden release of energy. This could make the whipping hose lethal and create a potentially dangerous situation. In such a scenario Superex whipchecks ensure safety from injury and property damage. Whipchecks are safety cables made to corrosion resistant, high strength steel, which on installation divert strain from the coupling to the whipcheck. Installation of whipchecks is easy and requires no tools- the spring loaded loops of the whipchecks are opened and slipped over each hose providing a firm grip on the hose and avoiding it from whipping in case of accidents.

Application: Whipchecks are commonly used on hose for air, water blast, drilling, steam, concrete, sandblast or other high pressure applications.

MOD	WIRE DIAMETER	FITS HOSES	LIST PRICE
	in	in	\$
Whipcheck - Hose to Hose			
WH3	1/8"	1/2" to 1 1/4"	\$7.97
WH5	3/16"	1/2" to 2"	\$19.87
WH6	1/4"	1 1/2" to 3"	\$21.67
WH10	3/8"	4"	\$86.68
Whipcheck - Hose to Tool			
WT3	1/8"	1/2" to 1 1/4"	\$7.22
WT5	3/16"	1/2" to 2"	\$18.07
WT6	1/4"	1 1/2" to 3"	\$19.87



ORDER PROCESS & WARRANTY



HOW TO ORDER:

- **Phone:** Sales Department, Monday-Friday, **763-398-2008** or **1-800-893-4235**.
- **Fax:** Sales Department at **763-398-2009** or **1-800-331-2762**, 24 hours a day, 7 days a week.
Fax Heading: company name, account number, part number, product description, quantity and price.
- **E-Mail:** Sales Department at - **info@arnorthamerica.com**
Subject Line: *Supply Order*, company name, account number, part number, product description, quantity and price.

Minimum Order Requirement: \$25.00

Drop Shipments: \$10.00 service fee.

Special Shipping: Instructions should be highlighted.

Order Confirmation: Order confirmations will not be sent unless requested on order.

SHIPMENT DISCREPANCIES:

Call/ Email to Report Discrepancy: within seven (7) Business days.

- **Phone:** Sales Department, Monday-Friday, **763-398-2008** or **1-800-893-4235**.
- **E-Mail:** Sales Department at - **info@arnorthamerica.com**

***NOTE:** Discrepancies must be reported within seven (7) days. A.R. North America will not be responsible for, nor issue a refund, if notification is not received within the seven (7) business days.

FREIGHT:

- **All Items will be shipped UPS Common Carrier** unless specified
- **All Shipments will be shipped PPD (prepaid).** Freight Cost will be added to invoice.

PAYMENT TERMS:

Open Account: Upon approval of submitted Credit Application, provided by **A.R. North America**.



WARRANTY

WARRANTY QUESTIONS:

Please have your original purchase receipt/invoice ready.

Contact Customer Service: 1-866-235-5112.

Operating Hours: Monday - Friday 8:00 a.m. to 5:00 p.m. Central Standard Time (CST).

WARRANTY BY PUMP TYPE:

- **Cam Shaft Plunger Pumps:** warranted for a period of five (5) years.
- **Axial Radial Pumps:** warranted for a period of one (1) year.
- **Diaphragm Pumps:** warranted for a period of (1) year.
- **Electric Pressure Washers:** warranted for a period of two (2) years.
- **AR600 Series Electric Pressure Washers:** warranted for a period of one (1) year.
- **Accessories:** warranted for a period of (90) Days.

WARRANTY CONDITIONS:

- **Warranty covers/applies to manufacturing defects or workmanship;** that may develop under normal use and service in a manner up to the directions and usage recommended by the manufacturer.
- **Warranty does not apply to normal wear** (such as but not limited to: seals/ packings, valves, plungers and sealing O-rings), freight damage, freezing damage.
- **Warranty does not apply to misuse** when pump or accessories are altered operated above recommended speeds, pressures, or temperatures.
- **Warranty does not apply to damage caused by aftermarket accessories** not included with original unit.

***This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and of all other obligations or liabilities on the part of the manufacturers or equipment. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.*

WARRANTY IS VOID WHEN:

- Used caustic (corrosive) liquids or any chemical not compatible with pump seal material.
- Pump has been operated under abrasive or corrosive environments where conditions could cause pump cavitation.
- Failure to follow recommended operating and maintenance procedures.
- Failure to use OEM replacement parts.

LIABILITY OF THE MANUFACTURER:

- **Warranty is limited to repair or replacement of parts only.**
- **Warranty products must be inspected by the manufacturer.**

Returned Product will be Repaired or Replaced Free of Charge if found to be defective and subject to warranty. After a completed inspection by the manufacturer, warranty is granted/denied at the sole discretion of the manufacturer when such products are found to be of original defect or workmanship at the time it was shipped from factory.



CUSTOMER RETURN LIABILITY:

- **Pumps and Accessories must have a Return RMA#.**
- **Please keep the receipt** as it will be required when submitting a warranty claim. Without the receipt the warranty claim cannot be processed.
- **Shipments without RMA# will be denied.**
- **Under no circumstance** will the manufacture bare any responsibility for loss of unit, loss of time or inconvenience in any manner.
- **Customer is responsible for freight costs to return product for warranty evaluation.**
- **The nozzle(s) being used must be returned** with the pump unit to be considered for warranty. (Where applicable)
- **A Shipping Plug (supplied) must be installed in the pump before shipping** to prevent oil seepage. Failure to secure the plug will result in a maintenance charge.
- **The manufacturer is not liable** for freight damage, insurance, labor, or any consequential damages incurred as a result of defective product.
- **If returned product is found non-warrantable, associated repair costs and return freight are the responsibility of the customer.**

WARRANTY CLAIM PROCESS:

1. **RMA Number:** Call or E-mail
 - **Phone:** 763-398-2008
 - **E-mail:** aliciap@arnorthamerica.com
 - Subject:** Return Merchandise Authorization Number (RMA#).
 - Body of E-Mail:** describe issue, provide proof of purchase.
2. **Adhere RMA number** outside of box.
3. **Pack & Ship:** Attn Service Department.

***NOTE:** All products must be flushed of any chemical before being returned to A.R. North America for warranty consideration. A.R. North America reserves the right to scrap any product returned with unknown chemicals and refuse warranty.

Products must be shipped to:

A.R. North America
Attn: Service Department
140 81st Ave NE
Fridley, MN 55432



NOTES

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This catalog cancels all previous ones and can be modified without notice. AR North America, Inc. preserves the right to carry out partial shipments. Characteristics and descriptions are not binding.



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