

EXPERT AND COMPACT SERIES AIR OPERATED DIAPHRAGM PUMPS

1/4" THROUGH 3" FLUID PORTS







ARO® Air Operated Diaphragm Pumps

With proven performance in the field and backed by an industry leading 5-year warranty, ARO® air operated diaphragm pumps are a truly versatile fluid handling solution for numerous applications. Known for industry-leading efficiency, reliability, flow rates, and a large range of materials and porting, ARO® has the right pump to deliver consistency in the most demanding situations. The ARO® range of diaphragm pumps offers many materials of construction.

All ARO® pumps are available with convoluted diaphragms offering long product life and reduced maintenance. Metallic Materials: Aluminium Cast Iron Stainless Steel Hastelloy® Non-Metallic Materials:
Polypropylene
Conductive Polypropylene
Acetal
PVDF
Conductive PVDF

The Value of ARO® Air Operated Diaphragm Pumps

- Sealless design
- Handles abrasives, solids and corrosives
- Gentle fluid transfer
- Low shear
- Run-dry capability
- Portable
- Self priming
- Easy to install



ARO® Product and Technical Support

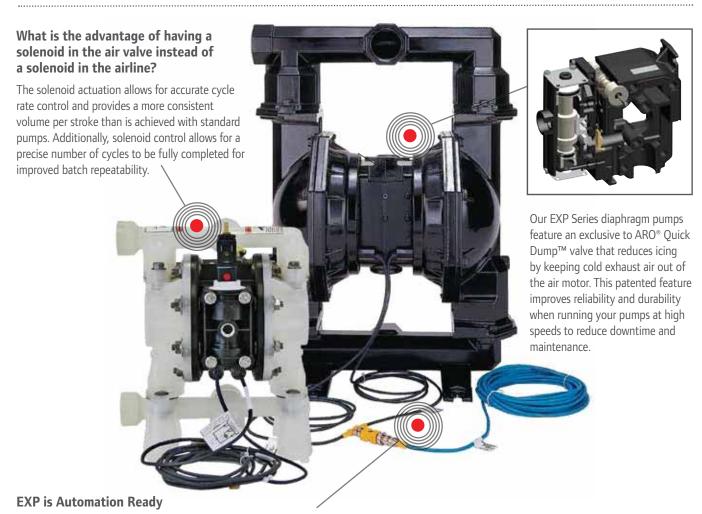
Every ARO® product is backed by a highly qualified team of engineers dedicated to designing products that promote success around the world. Because ARO® products are built to be as simple as they are smart, customers benefit from efficient operation and high performance for excellent total cost of ownership.

At ARO® we make success flow

ARO® EXP Series Diaphragm Pumps

ARO® EXP Series diaphragm pumps include all the benefits of standard air-operating pumps, but with significant additional features and benefits.

- Electronic Interface capability, assuring consistent flow rates and pinpoint control
- ► Patented SimulShift™ "unstallable" air balanced valve design which avoids stalling issues associated with other pumps
- ✓ Quick Dump[™] check valves that divert cold exhaust air from ice-prone components, which prevents freezing and downtime
- Solenoid valve conveniently mounted directly to pump's major valve



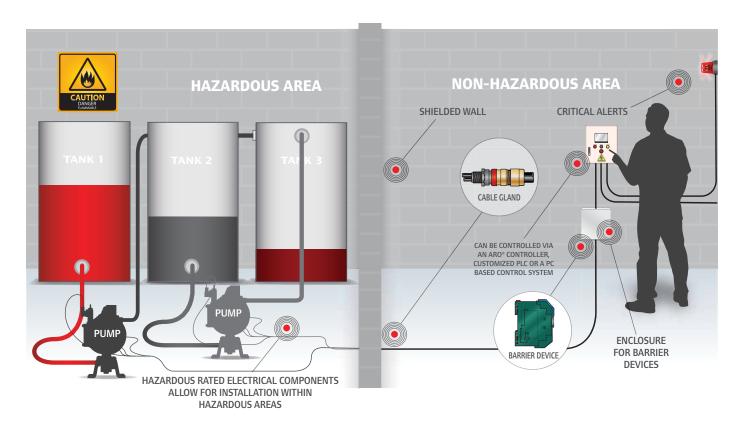
All EXP Series pumps are enhanced with electronic interface capability, providing accurate, electronically controlled dosing. Combine our pump with the ARO® Controller or a PLC or PC based system and switch from inaccurate, inefficient manual processes to intelligent fluid management.

- EXP is compatible with almost any automation system
- · Electronic Interface Pumps are now available for hazardous duty environments (ATEX, NEC, and CEC certifications)
- · Leak detection option certified for use in ATEX/ and NEC/CEC locations detects diaphragm failure to help reduce costly production downtime
- · Internal cycle sensor and end-of-stroke signals track end-of-stroke feedback and pump data
- · Preassembled components for hassle-free and error-proof installation

EXP provides safer control and monitoring

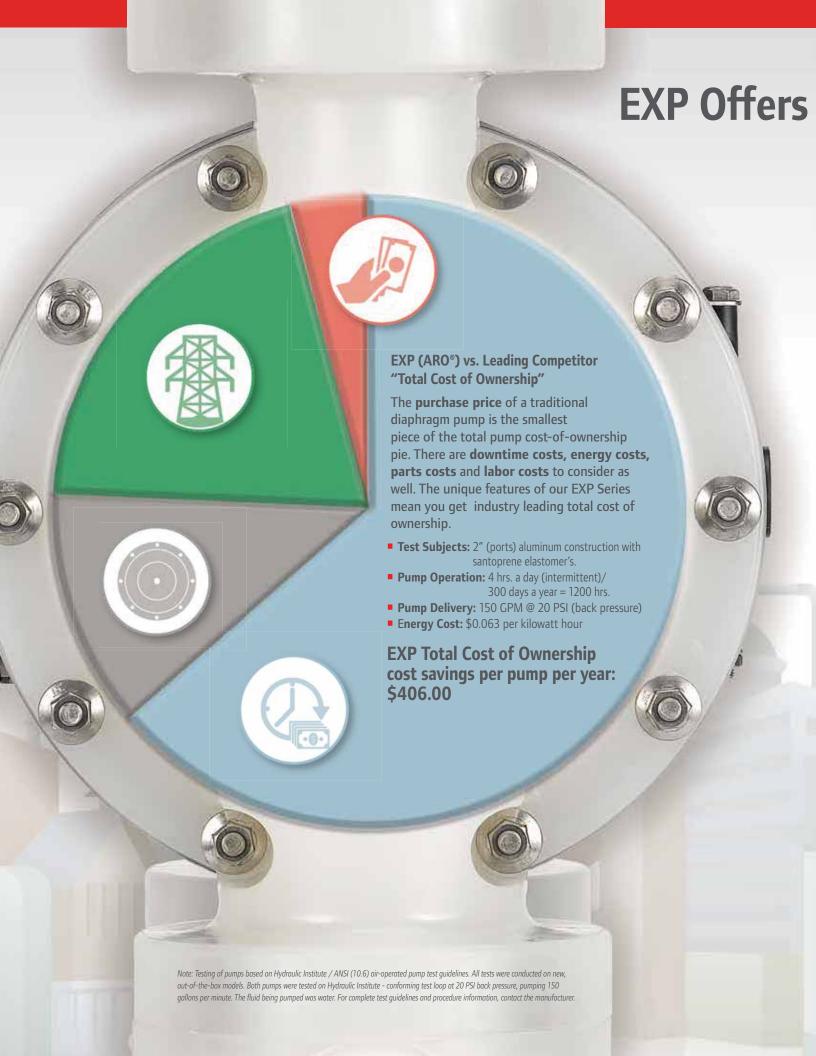
ARO® Compact and EXP Electronic Interface pumps are suitable for use in gas and dust environments, including ATEX and North American applications. Hazardous rated electrical components allow for installation within hazardous areas.

ARO® EXP Electronic Interface pumps are ideal for pumping fluids such as solvents, ethanol or fuels and other potentially flammable materials in HD environments – such as Chemical processing, paint/finishing, energy, ethanol, oil and gas, on-shore and petrochemical and fuel transfer.



- Operate the pump in the following hazardous locations: NEC / CEC: Class I&II, Div 1&2 ATEX: Zone 1&2, 21&22
- Wire the provided sensors and barrier devices per your local code requirements
- Install controller and barrier devices in a suitable hazardous enclosure or outside the hazardous area



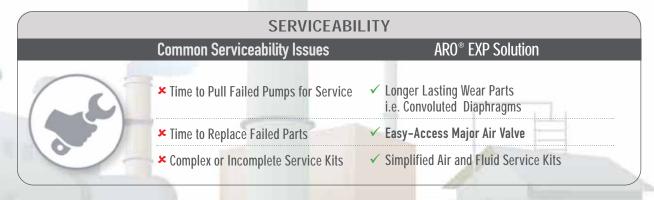


Industry leading Total Cost of Ownership

EXP Benefits

	RELIABII	LITY
	Traditional Downtime Problems	ARO® EXP Solution
	× Pump Freezing	✓ No Freezing with Quick Dump™ Checks
3	➤ Pump Stalling	✓ No Stalling with Unbalanced SimulShift™ Valve
	➤ Diaphragm Failure	✓ Up to 4x Life with Convoluted Diaphragms
	× Pump Leakage	Engineered Bolted Construction for Safe Operation
THE STATE OF THE S	Corrosion & Wear	Anodized Aluminum Fluid Section for Extended Life

EFFICI	ENCY
Common Efficiency Issues	ARO® EXP Solution
Compressed Air "Blow-By" During Pump Ide	✓ No Air Leakage with Ceramic "D" Valve
Poor Energy Efficiency During Operation	✓ Lower Energy Usage with Quick Dump and SimulShift Valves





Non-Metallic Model Overview

All 1/4" - 3" Non-metallic PD pumps are now upgradeable!

PD pumps are manufactured such that solenoid operation, flow monitoring and leak detection functionality can be added at a later date. As your processes mature, this capability allows you to enhance manually operated processes to incorporate additional control and monitoring capabilities. Simply remove two plugs and replace with a proximity sensor and (or) leak detector. Once upgraded, these components can also be integrated with the ARO® controller for seamless integration.



















Models	1/4"	3/8"	1/2"	1/2" Classic	3/4"	1″	1-1/2″	2″	3″
Max.Flow	5.3	10.6	14.4	13	14.8	53	123	184	285
gpm (lpm)	(20)	(40.1)	(54.5)	(49.2)	(56)	(200)	(465)	(696)	(1079)
Maximum Discharge Pressure psi (bar)	125 (8.6)	100 (6.8)	100 (6.8)	100 (6'9)	100 (6.8)	120 (8.3)	120 (8.3)	120 (8.3)	120 (8.3)
Fluid Ports Inlet/Outlet (bsp)	1/4" NPTF/BSPT & 3/4"-14 NPTF/BSPT	3/8 - 18 NPTF - 1 Rp 3/8 (3/8 - 19 BSP)	1/2 - 14 NPTF - 1 Rp 1/2 (1/2 - 14 BSP)	1/2-14 N.P.T.F1	3/4 - 14 N.P.T.F1 Rp 3/4(3/4-14 BSP, parallel)	1" ANSI/DIN Flange (Side or Center) 1 - 11-1/2" NPT Rp 1(1-11 BSP) (Center Discharge)	1-1/2" ANSI/DIN Flange (Side or Center)	2" ANSI/DIN Flange (Side Discharge)	3" ANSI (4-hole) or Din (8-hole) Flange
Material of Construction	Poly- propylene- Groundable Acetal PVDF	Poly- propylene Groundable Acetal PVDF	Poly- propylene Groundable Acetal PVDF	Poly- propylene Groundable Acetal PVDF	Poly- propylene	Polypropylene PVDF Conductive Polypropylene Conductive PVDF	Poly- propylene PVDF Conductive Poly- propylene	Polypropylene PVDF Conductive Polypropylene Conductive PVDF	Poly- propylene PVDF
Pump Weight Ibs (kg)	Poly 2.86 (1.3) PVDF 3.88 (1.76) Acetal 3.52 (1.6)	4.2 (1.9) PD03P-XDS-X 4.3 (1.9) PD03P-XES-X 4.5 (2.0) PD03P-XKS-X 4.6 (2.1) PD03P-XLS-X 3.4 (1.6) PD03P-XPS-X 3.5 (1.6) PD03P-XRS-X	6.3 (2.9) PD05P-XDS-X-B 6.7 (3.0) PD05P-XES-X-B 6.8 (3.1) PD05P-XKS-X-B 7.2 (3.3) PD05P-XLS-X-B 5.2 (2.4) PD05P-XPS-X-B 5.4 (2.5) PD05P-XRS-X-B	7.2 (3.3) Polypropylene 8.8 (4.0) Ground. Acetal 9.5 (4.3) Kynar PVDF	5.61 (2.54)	19.35 (8.78) Poly Threaded 19.59 (8.89) Poly Center Port 19.87 (9.01) Poly Side Port 25.83 (11.72) PVDF Threaded 26.72 (12.12) PVDF Center Port 27.15 (12.32) PVDF Side Port	42.30 (19.19) Poly Center Port 42.60 (19.32) Poly Side Port 55.94 (25.37) PVDF Center Port 63.94 (29.0) PVDF Side Port	85.3 (38.7) Poly 110.9 (50.3) PVDF	170 (77.11) Poly 242 (109.77) PVDF
Max. Solids in (mm)	1/16 (1.6)	1/16 (1.6)	3/32 (2.4)	3/32 (2.4)	3/32 (2.4)	1/8 (3.2)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)
Max. Dry Suction Lift ft (m)	15 (4.6)	9.25 (2.8)	15 (4.5)	15 (4.5)	15 (4.5)	19 (5.7)	14 (4.2)	14 (4.2)	20.5 (6.3)
Recommended Filter/ Regulator	P39124-600	P39124-600	P39124-600	P39124-600	P39124-600	P39224-600	P39344-600	P39354-600	P39454-610
Airline Kit	66073-1	66073-1	66073-1	66073-1	66073-1	66073-2	66084-1	66109	66109

Compact Series Diaphragm Pumps

EXP Series Diaphragm Pumps

Metallic Model Overview

All 1/2" - 3" Metallic PD pumps are now upgradeable!

PD pumps are manufactured such that solenoid operation, flow monitoring and leak detection functionality can be added at a later date. As your processes mature, this capability allows you to enhance manually operated processes to incorporate additional control and monitoring capabilities. Simply remove two plugs and replace with a proximity sensor and (or) leak detector. Call ARO® Technical Service to learn more. Once upgraded, these components can also be integrated with the ARO® controller for seamless integration.















Models	1/2″ Metallic	3/4" Metallic	1″ Metallic	1-1/2″ Metallic	2" Metallic	3″ Metallic
Maximum Flow gpm (lpm)	12 (45.4)	13.6 (51.5)	52 (197)	123 (465)	172 (651)	275 (1,041)
Maximum Discharge Pressure psi (bar)	100 (6.9)	100 (6.9)	120 (8.3)	120 (8.3)	120 (8.3)	120 (8.3)
Fluid Ports Inlet/Outlet (bsp)	1/2 - 14 NPTF -1 Rp (1/2 - 14 BSP)	3/4 - 14 N.P.T.F2 Rp 3/4(3/4-14BSP, parallel)	1-11-1/2″ NPT Rp1(1-11 BSP) (Side or Center)	1-1/2 - 11-1/2 NPTF Rp1-1/2(1-1/2 -11 BSP) (Side or Center) 1-1/2 ANSI/DIN (SS only/Center)	2" NPTF Rp2 (2-11 BSP) (Side or Center) 2" ANSI/DIN Flange with 2" pipe tap (SS only/Center)	3" NPTF Rp3(3-11 BSP) (Center) 3" ANSI/DIN Flange
Material of Construction	Aluminum Stainless Steel	Aluminum	Aluminum Cast Iron Stainless Steel Hastelloy®	Aluminum Cast Iron Stainless Steel Hastelloy®	Aluminum Cast Iron Stainless Steel Hastelloy®	Aluminum Cast Iron Stainless Steel Hastelloy®
Pump Weight lbs (kg)	10.4 (4.7) PD05A-XAS-X-B 16.6 (7.5) PD05A-XSS-X-B 8.0 (3.7) PD05R-XAS-X-B 14.3 (6.5) PD05R-XSS-X-B	8.74 (3.96)	20.7 (9.4) Alum 35.2 (16.0) CI 38.2 (17.3) SS 39.6 (18.0) Hastelloy add 4.65 (2.11) for Alum. air motor, add 11.09 (5.03) for SS air motor	37.7 (17.1) Alum. 73.2 (33.2) CI 61.2 (27.8) SS 86.9 (39.4) Hastelloy add 3.08 (1.40) for Alum. air motor, add 14.39 (6.53) for SS air motor	64 (29) Alum. 133 (60) CI 122 (55.3) SS Threaded 114 (51.7) SS Flange 122 (55.3) Hastelloy add 34 (15) for CI or SS air motor	113 (51.3) Alum. 197 (89.4) CI 203 (92.1) SS 203 (92.1) Hastelloy add 40 (18.1) for SS air motor
Maximum Solids in (mm)	3/32 (2.4)	3/32 (2.4)	1/8 (3.32)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)
Maximum Dry Suction Lift ft (m)	15 (4.5)	15 (4.5)	19 (5.7)	14 (4.2)	14 (4.2)	14 (4.2)
Recommended Filter/Regulator	P39124-600	P39124-600	P39224-600	P39344-600	P39444-600	P39454-610
Airline Kit	66073-1	66073-1	66073-2	66084-1	66109	66109

Compact Series Diaphragm Pumps

EXP Series Diaphragm Pumps

Hastelloy-C[®] is a registered trademark of Haynes International, Inc.

Batching/Flow Control

CONTROLLER

The ARO® Controller works seamlessly with EXP Electronic Interface pumps, and creates a fully automated multipump system that helps manufacturers and operators manage fluid easily and intelligently, with less operator oversight required. Migrate to a smart touch-andwalk-away system that helps optimize your costs and production time.

Choose a Controller

Model Options	
Base Controller (No Cables)	651763- XX -0
Interface with 1 Pump	651763- XX -1
Interface with 2 Pumps	651763- XX -2
Cable Assembly, 16 ft.	47517818001
Cable Assembly, 50 ft.	47517818005

XX = AM (Americas)

EM (Europe, Middle East, India & Africa) AP (Asia/Pacific)



Automate Your Process

- · Eliminate manual processes and mistakes
- · Achieve safer control and monitoring via remote operation
- · Accepts leak detection, liquid level sensing and proportional control

▼ Real Time System Alerts

- · Remote alerts send operating data
- · Triggers can perform auto shut-down
- · Notifications can be programmed for maintenance tasks

▼ Flow Meter Integration

- · A Flow meter signal provides accurate input for precise volume control
- · The controller closes an outlet valve to quickly stop flow when the desired volume is reached
- Integrates with ease and eliminates the need for PLC wiring and programming

▼ Touch-and-Walk Away

- · Accurate, electronically controlled dosing
- · Includes pre-programmed and user-directed fuctions
- · Closed loop system achieves dispensing repeatability within +/- 1%

Multi-Pump Control

- Control 2 pumps for accurate two part batching processes
- Pre-program up to 5 batches per pump
- · Alarm notifies on batch completion

Simul-Start Pumping

- · Synchronize your pumps
- · Controller can signal 2 pumps to start simultaneously in applications requiring consistent volumetric ratios

Choose a Pump

Position		1	2		3	4	5		6	7	8		9	10	11
Example:	PE	XX	Х	-	Х	Х	Х	-	Х	Х	Х	-	В	Х	Χ

Model Series	Position 1 Port Size	Position 2 Center Section Mat.	Position 3 Connection	Position 4 Wetted Parts	Position 5 Hardware	Position 6 Seat Material	Position 6 Ball Material
PE - Electronic Interface	01 - 1/4" Port 03 - 3/8" Port 05 - 1/2" Port 07 - 3/4" Port 10 -1" Port 15 -1-1/2" Port 20 -2" Port 30 -3" Port	A - Aluminum* P - Polypropylene S - Stainless Steel*	A - NPT Thread B - BSP thread F - A.N.S.I. Side Y - A.N.S.I. Center	A -Aluminum* C - Cast Iron D,E - Groundable Acetal* H - Hastelloy* K,L - PVDF (Kynar) P,R - Polypropylene S - Stainless Steel*	P - Plated Steel S - Stainless Steel	A - Santoprene® C - Hytrel® D - Acetal E - Carbon Steel F - Aluminum G - Nitrile H - 440 SS Hard K - PVDF L - Hastelloy P - Polypropylene S - Stainless Steel	A - Santoprene® C - Hytrel® G - Nitrile S - 316 SS T - PTFE U - Polyurethane V - Viton®

Position 8 Dia. Material	Position 9	Position 10 Specialty Code 1	Position 11 Specialty Code 2
A - Santoprene® C - Hytrel® G - Nitrile T - PTFE V - Viton®	Revision Level	A - Solenoid 120VAC, 110VAC + 60VDC K - Solenoid 220VDC ATEX/IECex* B - Solenoid 12VDC, 24VAC + 22VDC O - Standard Valve Block (No Solenoid) C - Solenoid 240VAC, 220VAC + 120VDC D - Solenoid 24VDC, 48VAC + 44VACA† E - Solenoid 12VDC NEC/CEC* F - Solenoid 24VDC NEC/CEC* only solenoid voltages that will work with controller H - Solenoid 24VDC ATEX/IECex*	E - End of stroke feedback + Leak Detection F - End of stroke feedback G - End of Stroke ATEX/IECex* H - End of Stroke feedback + Leak Detection ATEX / IECex* L - Leak Detection M - Leak Detection ATEX/IECex/NEC/CEC* O - No Option R - End of Stroke Feedback NEC / CEC* T - End of Stroke Feedback + Leak Detection NEC / CEC

^{*} Acceptable for use in hazardous locations.

⁻ NEC / CEC: Class I&II, Div 1&2, Group A-D - ATEX: Zone 1&2, 21&22

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2" Metallic Flap Valve Models

SPECIALTY PUMP

ARO®'s pneumatic flap valve diaphragm pumps provide effective flow rates up to 172 gpm (651 lpm). These pumps are designed to handle materials that are stringy, fibrous, large solids (suspended or non-suspended), abrasive, slurries and other applications less suited for ball check style pumps. Flap valve pumps are useful for feeding filter presses, waste treatment, dewatering, filled material transfer and a variety of other demanding applications.

Ratio: 1:1 Maximum GPM (LPM): 172 (651) Displacement per cycle: 1.4 (5.3)

@ 100 psi Gallons (Liters)

3/4 - 14 N.P.T.F.-1 Air Inlet (Female):

Fluid Inlet/Outlet (Female): PF20X-AXX-XXX-B 2 - 11-1/2 N.P.T.F.-1 PF20X-BXX-XXX-B Rp 2 (2 - 11 BSP parallel)

Max. operating pressure psi (bar): 120 (8.3)

Suspended solids max. dia. in. (mm): 2" (51) Semi-solid

Maximum dry suction lift ft (m): 14 (4.2)

Weight lbs (kg): PF20A-XAX-SXX-B 97.3 (44.2) 166.2 (75.4) PF20A-XCX-SXX-B

PF20A-ASX-SXX-B 166 (75.3) 166 (75.3) PF20A-BSX-SXX-B PF20A-FSX-SXX-B 177.1 (80.3)

Add 28.9 lbs (13.1kg) for stainless steel air motor

PF20R-XCX-SXX-B 178.7 (81.1) PF20R-XSX- SXX- B 180.6 81.9) 70 PSI 60 Cycles / Min 85.0 db(A)

Muffler: 94810 (optional 94117)



Ordering

Sound Level:

Position	1	2		3	4	5		6	7	8		9
Example:	PF20	X	-	Х	Х	Х	-	S	Х	Х	-	В

Position 1 Model	Position 2 Center	Position 3	Position 4 Wetted	Position 5	Position 6 Seat	Position 7 Flap	Position 8 Diaphragm	Position 9
Series	Section	Connections	Parts	Hardware	Material	Material	Material	
PF20 - Standard	A - Aluminum*	A - NPTF Thread	A [†] - Aluminum*	P - Plated	S - Stainless	A - EPR	A - Santoprene®	Revision
Pump	R - Polypropylene	B - BSP Thread	C - Cast Iron	Steel	Steel	G - Nitrile	G - Buna- N	Level
	w/SS Air Caps	F - 2" ANSI/DIN	S - Stainless	S - Stainless		U - Poly-	T - PTFE/	
	S - Stainless Steel*	Hybrid Center	Steel	Steel		urethane	Santoprene®	
	Y - Polypropylene	Flange				V - Viton®	V - Viton®	
	w/Cl Air Caps		† Not available					
			with PD20R or					
			PD20Y option					

^{*} Acceptable for use in hazardous locations.

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Accessories

Service Repair Kits | 637421 (air motor) 637310-XX (fluid section)

Powder Transfer

SPECIALTY PUMP

Transfer and handle your dry process powders faster, cleaner and at a fraction of the cost associated with installed "systems." Consistent trouble-free transfer of powders up to 45-lbs. per cubic foot (721 kgs. per cubic meter) dry-weight, such as carbon black, expanded mica, silicones, acrylic resins, 3D printing powders and pharmaceuticals

Replace Manual Powder Processes.

Reduce Airborne Contamination - With direct transfer from the powder container to your recipe.

✓ Unique Patented Air-Induction System - Avoids the possibility of powder pack-out.

Portable - Can be moved from site to site.

1". 2" and 3" Port:

Material: Aluminum and Stainless Steel

Max. operating pressure: psi (bar) 50 (3.4)

Suspended solids maximum: dia. in. (mm) 1/8" (3.3) PP10A Models, 1/4" (6.4) PP20A Models

3/8" (9.5) PP30A Models

Weight: lbs (kg) PP10A-XAX-AAA 33.3 (15.1) PP20A-XAX-AAA 99.4 (45.1) PP10A-XSX-AAA 50.9 (23.1) PP20A-XSX-AAA 157.8 (71.6)

PP30A-XAX-AAA 137.5 (62.4)

PP30A-XSX-AAA 236.8 (107.4)



Ordering

Position	1		2	3	4		5	6	7
Example:	PP10A	-	Х	Х	Х	-	Х	Х	Х

Position 1 Model Series	Position 2 Connections	Position 3 Wetted Parts	Position 4 Hardware	Position 5 Seat Material	Position 6 Ball Material	Position 7 Dia. Material
PP10A - 1" Port	A - 1-11-1/2 N.P.T.F -1 B - Rp1 (1-11 BSP)	A - Aluminum* S - Stainless Steel*	P - Plated Steel S - Stainless Steel	A - Santoprene® S - Stainless Steel	A - Santoprene®	A - Santoprene®

Position	1		2	3	4		5	6	7
Example:	PP20A	-	Х	Х	X	-	X	X	Х

Position 1 Model Series	Position 2 Connections	Position 3 Wetted Parts	Position 4 Hardware	Position 5 Seat Material	Position 6 Ball Material	Position 7 Dia. Material
PP20A - 2" Port	A - 2-11-1/2 NPTF - 1 B - Rp2 (2-11 BSP Parrallel) C - 2" ANSI DIN Flange		P - Plated Steel S - Stainless Steel	A - Santoprene® S - Stainless Steel	A - Santoprene®	A - Santoprene®

Position	1		2	3	4		5	6	7
Example:	PP30A	-	х	Х	X	-	X	Х	Х

Position 1	Position 2	Position 3	Position 4	Position 5	Position 6	Position 7
Model Series	Connections	Wetted Parts	Hardware	Seat Material	Ball Material	Dia. Material
PP30A - 3" Port	A - 3-8 NPTF - 1 B - Rp3 (3-11 BSP parrallel) F - 3" ANSI/DIN Flange	A - Aluminum* S - Stainless Steel*	P - Plated Steel S - Stainless Steel	A - Santoprene®	A - Santoprene®	A - Santoprene®

^{*} Acceptable for use in hazardous locations.

Santoprene® is registered trademark of Monsanto

Accessories

Service Repair Kits | 637397 (air motor PP10A), 637421 (air motor PP20A), 637421 (air motor PP30A)

637401-XX (fluid section PP10A), 637309-XX (fluid section PP20A), 637303-XX (fluid section PP30A)

Suction Probe: 67183-1 (10ft Long Hose with 2" Diameter. For PP20A & PP30A)

2:1 Ratio High Pressure

SPECIALTY PUMP

The high pressure pump was developed for applications requiring fluid pressures in excess of the 100 psi developed by traditional pumps. Compared to a standard diaphragm pump, the 2:1 ratio high-pressure pump can produce up to 200 psi, at about half the flow rate.

The 2:1 ratio is accomplished by using the effective surface area of both diaphragms to double the output pressure.

2:1 Ratio High-Pressure Pump

- Bolted construction for leak free integrity.
- Simul-shift and quick dump valve technology for stall free / ice free performance.
- Convoluted diaphragms for long life.
- ▼ Modular major valve for ease of repair.

Applications:

High viscosity fluids High solids fluids Charging filter presses High head / back pressure



Model	Maximum Gallons GPM (Liters)	Displacement Cycles Per Gallons @ 100 PSI (Liters)	Weight (kg)	Suspended Solids Max. Dia. in. (mm)	Maximum Outlet pressure PSI (bar)
Wodel	OI W (Litters)	@ 100 1 31 (Eiters)	(Kg)	()	pressure 1 51 (bar)
2:1 Ratio 1 1/2" Diaphragm Pump	63 (238.48)	0.3 (1.17) for 1 1/2"	88 (39.9)	1/4 (6.4)	200 (13.8)
2:1 Ratio 2" Diaphragm Pump	92 (348.25)	0.64 (2.65) for 2"	146 (66.2)	1/4 (6.4)	200 (13.8)
2:1 Ratio 3" Diaphragm Pump	160 (605.6)	1.4 (5.3) for 3"	268 (121.6)	3/8 (9.5)	200 (13.8)

Ordering

Position	1	2			3			4	5	6		7
Example:	PHXX	F	-	Х	S	Р	-	S	X	X	-	С

Position 1 Model Series	Position 2 Center Section	Position 3 Connection	Position 4 Seat Material	Position 5 Ball Material	Position 6 Diaphragm Material	Position 7 Revision Level
PH15 - 1 1/2" PH20 - 2" PH30 - 3"	F - Conductive Polypropylene/ Stainless Steel	1-1/2" (PH15F) A - 1-1/2 NPTF B - 1-1/2 BSP parrallel 2" (PH20F) A - 2 - 11-1/2 NPTF-1 B - Rp 2 (2 - 11 BSP parrallel) 3" (PH30F) A - 3 - 8 NPTF-1 B - Rp 3 (3 - 11 BSP parrallel) F - 3" ANSI /DIN Flange	S - Stainless Steel	A - Santoprene® T - PTFE C - Hytrel®	A - Santoprene® C - Hytrel® L - Long-Life PTFE T - PTFE/Santoprene®	A - 1 1/2" B - 2" C - 3"

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Accessories

	PH15 - 1 1/2	PH20 - 2	PH30 - 3
Air Line Kit	66084-1	66109	66109
Air Section Service Kit	637389	637369	637369
Fluid Section Service Kit	637445-XX	637446-XX	637441-CC

Sanitary Transfer - Clamped

SPECIALTY PUMP

Our FDA Compliant line features the Quick Knock Down (QKD) compression clamp system to facilitate easier cleaning, service and maintenance, which promotes reliability and long product life.

SD Series Pumps

- Quick Knock Down (QKD) design facilitates rapid disassembly.
- Flow-rate optimized. Better overall performance, low material shear.
- Electropolish stainless-steel 316L construction, FDA and CE 1935/2004 accepted materials and high temperature capability.
- Optional electronic interface capability
- Optional Single piece composite PTFE diaphragms





Applications:

Food / Beverage / Pharmaceutical / Cosmetics

	SD10S-CSS-SXX-B / 1" Pump	SD20S-CSS-SXX-B / 2" Pump
Startup Pressure PSI (bar)	25 (1.723)	25 (1.723)
Dry suction lift ft. H20 (m)	16.49 (5.02)	18.25 (5.56)
Wet suction lift ft. H20 (m)	31.4 (9.57)	31.4 (9.57)
Flow Rate GPM (lpm)	54 (204.4)	195 (738)
Displacement per/cycle GPM @ 100 PSI (lpm)	0.258 (.976)	1.3 (4.9)
Max. Solids Passage in. (mm)	1/8 (3.2)	1/4 (6.4)
Fluid Inlet/Outlet	1-1/2" Tri-Clamp	2-1/2" Tri-Clamp

Ordering

Position	1	2		3	4	5		6	7	8		9	10	11
Example:	SDXX	Х	-	С	S	S	-	Х	Х	Х	-	В	X	X

Position 1 Model Series	Position 2 Center Section	Position 3 Port	Position 4 Fluid Caps & Manifold Mat.	Position 5 Hardware	Position 6 Seat Material	Position 7 Ball Material	Position 8 Diaphragm Material	Position 9
SD10 - 1" Pump SD20 - 2" Pump		C - Sanitary Tri-Clamp	S - 316L Stainless Steel*	S - Stainless Steel	C - Hytrel K - PVDF S - 316L Stainless Steel	C - Hytrel® M - Medical Grade Santoprene® S - 316L SS T - PTFE	C - Hytrel® M - Med.Grade Sant. K - Single Piece PTFE Composite T - PTFE/Santoprene®	Revision Level

Position 10 Specialty Code 1 (blank if no specialty code)	Position 11 Specialty Code 2 (blank if no specialty code)				
A - Solenoid 120VAC, 110VAC + 60VDC B - Solenoid 12VDC, 24VAC + 22VDC C - Solenoid 240VAC, 220VAC + 120VDC D - Solenoid 24VDC, 48VAC + 44VACA E - Solenoid 12VDC NEC/CEC* F - Solenoid 24VDC ATEX/IECex* H - Solenoid 24VDC ATEX/IECex* J - Solenoid 120VDC NEC/CEC*	E - End of stroke feedback + Leak Detection F - End of Stroke feedback G - End of Stroke ATEX/IECex* H - End of Stroke feedback + Leak Detection ATEX / IECex* L - Leak Detection M - Leak Detection ATEX/IECex/NEC/CEC* O - No Option R - End of Stroke Feedback NEC / CEC* T - End of Stroke Feedback + Leak Detection NEC / CEC				

^{*} Acceptable for use in hazardous locations. - NEC / CEC: Class I&II, Div 1&2 , Group A-D - ATEX: Zone 1&2, 21&22

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Sanitary Transfer - Bolted

SPECIALTY PUMP

- Constructed of FDA an CE 1935/2004 accepted materials.
- Electro-polished 316 stainless steel fluid section.
- Bolted construction with all stainless steel hardware.
- All investment cast wetted parts.

Typical Applications:

Food Processing Paint

Cosmetics Applications Requiring Quick-Disconnect Pharmaceutical Fluid Connections **Chemical Additives**

Adhesives (Food grade)



	PM05X-X-X-B02 (1/2")	PM10X-X-X-A02 (1")	PM15X-X-X-A02 (1-1/2")	PM20X-X-X-B02 (2")	PM30X-X-X-C02 (3")
Maximum GPM (lpm):	13.0 (49.2)	52.2 (197.6)	123 (465.6)	172 (651)	275 (1041)
Displacement per Cycle GPM (lpm):	0.040 (0.15)	0.232 (0.88)	0.617 (2.34)	1.4 (5.3)	2.8 (10.6)
Air Inlet (Female):	1/4 - 18 PTE SAE Short	1/4 - 18 N.P.T.F	1/2 - 14 N.P.T.F	3/4 - 14 N.P.T.F-1	3/4 - 14 N.P.T.F-1
Fluid Inlet/Outlet:	1-1/2" Tri-Clamp	1-1/2" Tri-Clamp	2" Tri-Clamp	2-1/2" Tri-Clamp	3" Tri-Clamp
Max. Operating Pressur PSI (bar)	re: 100 (6.9)	120 (8.3)	120 (8.3)	120 (8.3)	120 (8.3)
Suspended solids in.(mr	m): 3/32" (2.4)	1/8" (3.3)	1/4" (6.4)	1/4" (6.5)	3/8" (9.5)
Weight lbs (kg.):	14.75 (6.7)	PM10A-CSS-X-A02 44.8 (20.3)	PM15A-CSS-X-A02 62.4 (28.3)	PM20A-CSS-X-B02 142.8 (64.8)	PM30A-CSS-X-C02 227.5 (103.2)
		PM10R-CSS-X-A02 38.2 (17.3)	PM15R-CSS-X-A02 60.3 (27.3)	PM20R-CSS-X-B02 183.6 (83.5)	PM30R-CSS-X-C02 253.3 (114.9)
		PM10S-CSS-X-A02 51.6 (23.4)	PM15S-CSS-X-A02 78.4 (35.6)	PM20S-CSS-X-B02 171.7 (77.9)	PM30S-CSS-X-C02 267.2 (121.2)
Optional Muffler	93110 (requires 67367 assembly)			67213 (Standard Duty) 67263 (continuous Duty)	67213 (Standard Duty) 67263 (continuous Duty)

▼ Ordering (Not all options available for each pump size, consult operator's manual for available options.

Position	1	2		3	4	5		6	7	8	9	10	11
Example:	PMXX	X	ı	X	X	X	-	X	X	X	X	X	X

Position 1 Model Series	Position 2 Center Section	Position 3 Connection	Position 4 Wetted Parts	Position 5 Hardware	Position 6 Seat Material	Position 7 Ball Material	Position 8 Diaphragm Material	Position 9 Revision Level
PM05 - 1/2" Pump PM10 - 1" Pump PM15 - 1-1/2" Pump PM20 - 2" Pump PM30 - 3" Pump	A - Aluminum* R - Polypropylene S - Stainless Steel*	C - Tri-Clamp	S - Stainless Steel*	S - Stainless Steel	A - Santoprene® P - Polypropylene S - Stainless Steel	A - Santoprene® C - Hytrel® G - Nitrile S - Stainless Steel T - PTFE V - Viton	A - Santoprene® C - Hytrel® G - Nitrile T - PTFE/ Santoprene®	1/2" - B 1" - A 1-1/2" - A 2" - B 3" - C

Position 10 Specialty Code 1 (blank if no specialty code)	Position 11 Specialty Code 2 (blank if no specialty code)		
A - Solenoid 120VAC, 110VAC + 60VDC B - Solenoid 12VDC, 24VAC + 22VDC C - Solenoid 240VAC, 220VAC + 120VDC D - Solenoid 24VDC, 48VAC + 44VACA E - Solenoid 12VDC NEC/CEC* N - Solenoid 24VDC NEC/CEC* O - Standard Valve Block (No Solenoid)	E - End of stroke feedback + Leak Detection M - Leak Detection ATEX/F - End of stroke feedback IECex/NEC/CEC* G - End of Stroke ATEX/IECex* O - No Option H - End of Stroke feedback + R - End of Stroke Feedback NEC / CEC* L - Leak Detection TEX / IECex* T - End of Stroke Feedback + Leak Detection NEC / CEC		

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^{*} Acceptable for use in hazardous locations.

1" PW Series

SPECIALTY PUMP

ARO® PW10X-X EXP Pumps

- ✓ Upgrade to EXP from existing Wilden® P4,T4 or M4 pumps, or Versa-Matic® E4 pumps.
- ▼ The ARO® PW10X-X matches the fluid inlet/outlet port dimensions of these other pumps
- Leave the stalling issues and leaking band-clamps behind.

Ratio: 1:1

Maximum GPM (LPM): 60 (227.1) Displacement per cycle Gallons (Liters): 0.234 (0.89) Air Inlet (Female): 1/2 - 14 N.P.T.

Fluid Inlet: 1-1/2 - 11-1/2 N.P.T.F - 1 Fluid Outlet: 1-1/4 - 11-1/2 N.P.T.F. - 1

Max. operating pressure psi (bar): 120 (8.3) Suspended solids max. dia. in. (mm): 1/8" (3.3)

Weight lbs (kg): PW10A-XXX-XXX 25.7 (11.7)

Maximum dry suction lift ft (m): 19 (5.8)

Sound Level: 70 PSI 60 Cycles / Min 80.6 db(A)



Ordering

Position	1	2		3	4	5		6	7	8
Example:	PW10	Α	-	X	X	X	-	X	X	X

Position 1 Model Series	Position 2 Center Section	Position 3 Connection	Position 4 Wetted Parts	Position 5 Hardware	Position 6 Seat Material	Position 7 Ball Material	Position 8 Diaphragm Material
PW10 - Standard Pump	A - Aluminum	A - NPTF Thread	A - Aluminum	P - Plated Steel S - Stainless Steel	A - Santoprene® C- Hytrel ® F - Aluminum G - Nitrile	A - Santoprene® C- Hytrel® G - Nitrile T - PTFE V - Viton®	A - Santoprene® C- Hytrel® G- Nitrile T - PTFE/ Santoprene® V - Viton®

Hytrel® is a registered trademark of DuPont company, Santoprene® is registered trademark of Monsanto and Viton® is a registered trademark of ExxonMobil

Accessories

Service Repair Kits | 637397 (air motor)

637410-XXX (fluid section with seats)

Electronic Interface Accessories

Quickly find your accessories, leak detection sensors, end of stroke sensors, and solenoid value block kits

Upgrade your Compact or EXP pump with electric interface accessories to integrate seamlessly into automated processes. Whether you have a PLC automated process or ARO®'s batching/flow controller these accessories can provide remote operation, remove wasteful manual processes and improve uptime through proactive maintenance solutions. Consult with your ARO® representative or Tech Support to learn which accessories will work best for your pump and application.



End of Stroke Sensors

Used to monitor cycle rates for preventative maintenance and determining volume transferred in batching applications.

End of Stroke Sensing for Cycle Counting						
Compact/EXP Port Size	Regular Duty	Hazardous Duty*: ATEX	Hazardous Duty*: NEC, CEC			
1/4"	24110934	97404 & 97491	97404 & 97412			
3/8"	97048	97405 & 97491	97405 & 97412			
1/2" & 3/4"	97053	97406 & 97491	97406 & 97412			
1"	97119	97408 & 97491	97408 & 97412			
1 1/2"	97396	97410 & 97491	97410 & 97412			
2" & 3"	97121	97411 & 97491	97411 & 97412			

^{*} Note: hazardous options require both an end of stroke sensor and barrier amplifier

Solenoid Valve Block Kits

Replaced existing major valve with a solenoid actuated main valve. Each time the solenoid is energized or de-energized the pump will stroke one time. With combination of a PLC or ARO® controller, precise batching can be achieved.

Position	1	2		2			3
Example:	637371	-	Х	-	Х		
	Position 1 Base Part Number Position 2 Valve Block Mat			,	Position 3 Solenoid Coil Valve Block Mtrl.		
1/4"	637371	1- Alı	uminum	A = 120 VAC			
3/8", 1/2", 3/4"	637540	2- St	ainless Steel	B =	12 VDC		
1"	637541	3- Bla	ack Polypropylene	C =	240 VAC		
1 1/2"	637542	4- W	4- White Polypropylene		24 VDC		
2" & 3"	637543			E =	12 VDC NEC/CEC		
				F =	24 VDC NEC/CEC		

G = 12 VDC ATEX/IECex

H = 24 VDC ATEX/IECex

J = 120 VAC NEC/CEC K = 220 VAC ATEX/IECex

N = No Coil *

Leak Detection

Minimize unwanted downtime by detecting diaphragm failures.

	Leak Detection Sensing						
Compact/ EXP Port Size	Regular Duty	Hazardous Duty*: ATEX, NEC, CEC					
1/4"	67237	96270-2 (Qty: 2) & 97414 (Qty: 1)					
3/8"	67237	96270-2 (Qty: 2) & 97414 (Qty: 1)					
1/2" & 3/4"	67237	96270-2 (Qty: 2) & 97414 (Qty: 1)					
1"	67237	96270-2 (Qty: 2) & 97414 (Qty: 1)					
1 1/2"	67237	96270-2 (Qty: 2) & 97414 (Qty: 1)					
2" & 3"	67237	96270-2 (Qty: 2) & 97414 (Qty: 1)					

^{*} Note: hazardous options require both 2 leak detection sensors (1 for each diaphragm) and (2) Zener barriers

MaxAir 2 Way Valve

Controls the inlet air to the pump for simple on/off controls. Die-cast brass body, Stainless Stem and Buna-N diaphragms provide excellent durability.



Pump Port Size	24VDC Valve and Connector*	120VAC Valve and Connector*
1/4" to 1"	TB03EB-024-D and CSN-30	TB03EB-120-A and CSN-30
1-1/2"	TB04EB-024-D and CSN-30	TB04EB-120-A and CSN-30
2" to 3"	TB06HB-024-D and CSN-30	TB06HB-120-A and CSN-3

^{*} Note: Valve and Connector Needs to be purchased.

^{*} Note: a no coil option can be purchased where multiple environments exist within your facility. Contact your ARO® Representative or Tech Support for the correct solenoid coil for your application.

Automatic DeWatering System

SPECIALTY PUMP

Air Operated Control Solution with Liquid Level Sensing

The ARO® Automatic Dewatering System offers automatic on/off controls for Pro and EXP diaphragm pumps. A pneumatically controlled Liquid Level Sensor is used to easily control the fluid level within a desired range. The Automatic Dewatering System will limit the monitoring labor and reduce air consumption by avoiding dry running of the pump.

- Simple design is easy to setup and use.
- All pneumatic operation eliminates electrical ignition source.
- High/Low level control maintains fluid between established levels.
- Reduces air consumption by avoiding pump dry running.
- Portable system with directly mounted liquid level sensor.

SPECIFICATIONS

Temperature Range- °F (°C)	32 – 122 (0 - 50)
Air Supply Pressure- psi (bar)	29-101 (2-7)
Weight w/o Pump lbs (kg)	11 (4.8)
Air Connection Size	Rc 3/4"
Sensing Tube lengths - ft (m)	66 (20)
Sensitivity to detect liquid level- in (cm)	2-4 (5-10)

SERVICE KITS

SS-BQG550 Mounting Bracket

PNCV-1/2 Pneumatic Controlled Valve 637523 Sensing Tube and Screen Kit



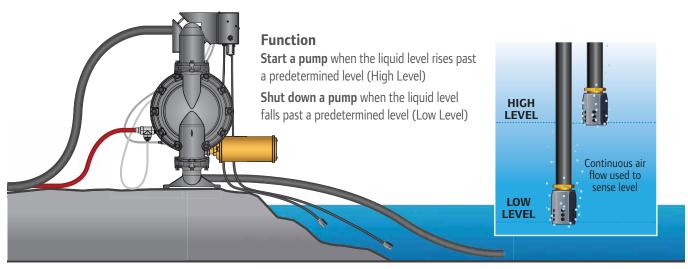
- Bracket
- 2 Liquid Level Sensor
- 3 Pneumatic Controlled Valve
- 4 Sensing Tubes with Screen
- 5 Pro/EXP Series Diaphragm Pump (purchase separately)

AUTOMATIC DEWATERING SYSTEM

SCD501BN08-V1D Dewatering Kit (without pump)

PUMP COMPATIBILITY					
2" EXP Series Pump	PX20X-XXX-XXX-X, PX20P-FXS-XXX				
3" EXP Series Pump	PX30X-AXX-XXX-X, PX30X-BXX-XXX-X				

Working Principle



Drum Pumps

SPECIALTY PUMP

Drum Pumps

Choose from Aluminum, Stainless Steel or Polypropylene body construction - ARO® Drum Pumps are available in three body materials for optimum fluid compatibility.

Ratio:

11-g.p.m. (41.6-l.p.m.) Maximum Flow: Displacement per cycle: .039-Gallons (.15-Liters)

Air Inlet: (Female) 1/4 -18 N.P.T.

Fluid Inlet: Siphon Tube for 55-Gallon Drum

Fluid Outlet: 1/2 -14 N.P.T.F. - 1 Max. operating pressure: 100-psi (6.8-bar) Suspended solids max. dia.: 3/32-in. (2.4-mm)

Shipping Weight: lbs (kq) 22 (10) Polypropylene, basic package

> 26 (11.8) Aluminum, basic package 36 (16.3) Stainless, basic package

Drum Pump Packages

- Package Components Factory-Matched ARO® Drum Pump package components contain pre-specified, matching materials of construction for complete fluid compatibility.
- · Choose from Basic to Complete Drum Pump Packages can be ordered in 3 styles:
- · Basic: Pump, Bung Adapter, Air Safety Shut-Off, Siphon Tube, Weather Seal and base
- Complete/Transfer: Basic Pump plus Fluid Hose or Fluid Hose with Non-Drip Nozzle
- · Complete/ Dispensing: Basic Pump plus Foot Valve, Hose and Dispensing Nozzle



Pump Features

- 11-g.p.m. Flow Capability Drum Pumps offer plenty of capacity to satisfy a broad range of transfer application volume demands.
- Stall-Free Operation ARO® Diaphragm Drum Pumps feature a patented "unbalanced" air valve design that avoids stall-out, even under low air-inlet pressures.
- Bolted Construction ARO® Diaphragm Drum Pumps utilize bolted fasteners for leak-tight integrity.
- 5-Year Warranty

Accessories

Air Line Connection Kit | 66073-1

Service Repair Kit | 637458 (air), 637427-XX (fluid), 104255 (for repair of P29122-600 piggyback filter/regulator)

Ordering

Model Number	Pump Housing and Seats	Pump Dia. and Balls	Lock Out Valve (P/N 104253-2)	Foot Valve	10' Hose ASM	Dispense Valve	Fluid Service*
DAB05-PPTT-2-A	POLYPROPYLENE	PTFE	X	-	-	-	ACIDS & CAUSTICS
DAB05-PPCC-2-A	POLYPROPYLENE	HYTREL®	X	-	-	-	WATER/COOLANT
DAB05-PPUU-2-A	POLYPROPYLENE	POLYURETHANE	Х	-	-	-	WATER/COOLANT
DAB05-PPAA-2-A	POLYPROPYLENE	SANTOPRENE®	X	-	-	-	MILD ACIDS & BASES
DAB05-PPCC-2-N	POLYPROPYLENE	HYTREL®	X	-	NITRILE	-	WATER/COOLANT
DAB05-PPCC-B-M	POLYPROPYLENE	HYTREL®	X	Х	NITRILE	NO-DRIP	WATER/COOLANT
DAB05-PPAA-2-B	POLYPROPYLENE	SANTOPRENE®	X	-	EPDM	-	MILD ACIDS & BASES
DAB05-PPUU-2-C	POLYPROPYLENE	POLYURETHANE	X	-	VINYL	-	WATER/COOLANT
DAB05-PPCC-B-J	POLYPROPYLENE	HYTREL®	X	Х	REINFORCED NITRILE	Х	WATER/COOLANT
DAB05-PPAA-B-K	POLYPROPYLENE	SANTOPRENE®	X	Х	EPDM	Х	MILD ACIDS & BASES
DAB05-SSTT-2-A	STAINLESS STEEL	PTFE	X	-	-	-	SOLVENT
DAB05-ASTT-2-A	ALUM./SS.	PTFE	X	-	-	-	SOLVENT
DAB05-APCC-2-A	ALUM./POLY.	HYTREL®	X	-	-	-	OIL/SOME SOLVENTS
DAB05-APCC-2-0	ALUM./POLY.	HYTREL®	X	-	NITRILE	-	OIL/SOME SOLVENTS
DAB05-APCC-B-P	ALUM./POLY.	HYTREL®	X	Х	NITRILE	NO-DRIP	OIL/SOME SOLVENTS
DAB05-APCC-B-L	ALUM./POLY.	HYTREL®	X	Х	REINFORCED NITRILE	Х	OIL/SOME SOLVENTS
DAB05-ASAA-2-A	ALUM./S.S.	SANTOPRENE®	X	-	-	-	WATER/COOLANT

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^{*} Consult ARO Chemical Compatibility Guide to select proper pump construction

Accessories

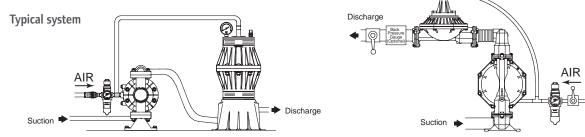
Pulsation Dampeners

Diaphragm pumps of any type have at least two points in their cycle where they provide no pressure or flow to a process. The unwanted result of this pressure fluctuation can often be material foaming, material pulsation, hydraulic shock or material splashing. While traditional pulsation dampeners can help reduce unwanted pulsation and other problems, they also require operator intervention and adjustments.



Automatic Shock Blockers®

- Automatic Air Adjustment compensates for fluctuations in fluid pressure without operator intervention.
- Significant Pulsation Reduction Shock Blockers deliver an average 60% 80% pulsation reduction in high back pressure applications.
- Built for high-flow/aggressive fluid applications the 2" models can handle up to 2.6 L maximum fluid volume, and 3" models up to 8.3 L maximum fluid volume.
- Broad Material Range for Compatibility choose from PVDF, polypropylene, groundable acetal, aluminum, cast iron or stainless steel body materials for optimum pump-to-pulsation dampener compatibility.
- Broad Diaphragm/Bladder Fluid Compatibility choose from Santoprene, Nitrile, PTFE, Hytrel, Viton or Urethane for optimum fluid-todiaphragm compatibility.
- Perfect for Process Applications pulsation reduction in long piping runs help prevent costly fluid pipe and downstream valve damage.
- Bolted construction for leak-free vessel integrity and a safer work-site.
- Ultra-Rugged Construction for long service life both inside and out, the Shock Blockers are built tough to deliver worry-free, near pulse-free fluid handling.



Ordering

Position	1	2		3	4	5		6
Example:	SBX0	X	-	X	X	S	-	X

Position 1 Model and Size	Position 2 Air Section	Position 3 Fluid Connection	Position 4 Fluid Section	Position 5 Hardware	Position 6 Diaphragm Material
SB10 - 1"	P - Polypropylene K - PVDF (Kynar) D - Conductive Acetal	A - NPTF B - BSP	P - Polypropylene K - PVDF (Kynar) D - Conductive Acetal	S - Stainless Steel 304	A - Santoprene® C - Hytrel® T - PTFE U - Urethane
SB20 - 2" SB30 - 3"	A - Aluminum S - Stainless Steel P - Polypropylene/ Aluminum* R - Polypropylene/ Stainless Steel* Stainless Steel	A - NPTF B - BSPP F - 2" ANSI/DIN Flange Inlet and Outlet* K - 2" ANSI/DIN Flange Inlet/ NPTF Outlet* L - 2" ANSI/DIN Flange Inlet/ BSPP Outlet*	A - Aluminum C - Cast Iron P - Polypropylene* S - Stainless Steel	P - Carbon Steel S - Stainless Steel 304	A - Santoprene® G- Nitrile T - PTFE / Santoprene® V - Viton®

Only available with 2" Polypropylene fluid sections.

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Maintenance Kits





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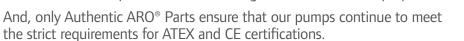
Pump Type	Models	Air Motor Section	Fluid Section (without seats)	Major Air Valve Assembly	
3/8" Non-Meta	allic PD03P, PE03P	637428	637429-XX	-	
Non-Met	allic PD05P, PE05P	637428	637427-XX	_	
1/″ Metallic	PM05P	637389	637375-XX	_	
¹ Metallic	PD05A, PD05R, PE05A, PE05R	637428	637427-XX	_	
Non-Met	allic PD07P	637428	637427-XX	_	
3/4" Metallic	PD07R	637428	637427-XX	_	
Non-Met	allic PD10P, PE10P, PD10E, PE10E	637397	637396-XX	637395-X	
1" Metallic	PD10A, PD10R, PD10S, PE10A, PE10R, PE10S, PM10A, PM10R, PM10S	637397	637401-XX	637395-X	
	PH10A-XSS-SST	637338	637339	_	
	SD105	637495	637496-XX	637496	
Non-Meta	PD15P, PE15P, PD15E, PE15E	637389	637391-XX	637390-X	
1 ¹ / ₂ " Metallic	PD15A, PD15R, PD15S, PE15A, PE15R, PE15S, PM15A, PM15R, PM15S	637389	637375-XX	637390-X	
Non-Meta	allic PD20P, PE20P, PD20E, PE20E	637369	637373-XX	637374-X	
	PD20R, PD20Y, PE20R, PE20Y, PM20R	637369	637309-XX	637374-X	
2"	PD20A, PD20S, PE20A, PE20S PM20A, PM20S, PP20A	637421	637309-XX	637374-X	
Metallic	PF20A, PF20S	637421	637310-XX	637374-X	
	PF20A	637421	637309-XX	_	
	PF20R, PF20Y	637369	637310-XX	637374-X	
	SD20S	637497	637494-XX	637498	
Non-Meta	allic PD30P, PE30P	637369	637447-XX	637374-X	
3"	PD30R, PE30R, PM30R	637369	637303-XX	637374-X	
Metallic	PD30A, PD30S, PE30A, PE30S PP30A, PM30A, PM30S	637421	637303-XX	637374-X	
	PH30F-X	637369	637441-XX	637374-X	



Exactly built and designed by ARO®, Authentic ARO® Parts are the only replacement parts you can count on to restore your ARO® equipment to the equipment's original performance and quality, while backing up your warranty and ATEX hazardours duty certification.

Why Authentic ARO® Parts?

Without Authentic ARO® name, it does not carry the ARO® promise and runs the risk of subpar chemical, metallurgical, and mechanical properties.





Authentic ARO® Parts include:

- Diaphragm Pump Parts and Accessories
- Piston Pump Parts and Accessories
- Lubrication Parts and Accessories
- FRI Parts and Accessories

ARO® Long-Life PTFE diaphragms keeps your pumps flowing

- Proven 2 time increase in service life over standard PTFE*
- Made with uniquely formulated PTFE that provides greater flex life
- Same great chemical resistance as conventional PTFE
- Seamless replacement for your existing PTFE diaphragms





About ARO®

ARO® is a worldwide manufacturer of fluid management products that are skillfully engineered to deliver performance and serviceability, allowing success to flow freely in our customers' businesses. That's why ARO® is fluid intelligence the smart choice in fluid management products for industrial operations.

With over an 85-year legacy of premier product performance and service excellence, ARO® provides fluid management equipment for customers and industries around the globe, including chemical, manufacturing, energy, pharmaceutical, mining and more.

ARO® has the right product to meet our customers' specific needs. We offer air-operated diaphragm pumps, piston pumps and packages, filters, regulators, and lubricators (FRLs), lubrication equipment, pneumatic valves and cylinders.

^{*}as measured by mean time between failure