WILDEN®

A DOVER COMPANY

Ceramics

Chemical

Dry Powder

Mining

Oil & Gas

Paint & Inks

Advanced™ SOLUTIONS

Since 1955 Wilden Pump & Engineering LLC, has been the global leader in air-operated double-diaphragm pumps (AODDP). Wilden is deeply committed to the pursuit of excellence, customer satisfaction, research & development and market knowledge. As a premier organization, Wilden has the infrastructure, knowledge base, and intellectual capital to exceed your expectations worldwide.

Our world-class distributor network ensures that you will have access to the latest pump technologies and fluid transfer services available. Wilden and its distributor network are devoted to your industries, applications and processes, servicing your needs with world-class products, delivery and best of class expertise. Put us to the test and contact your local distributor today at **www.wildendistributor.com**

WILDEN, THE POWER BEHIND FLUID TRANSFER

ADVANCED SERIES

UL, ATEX, USP Class VI, FDA, CE

UNIQUE CHARACTERISTICS

- Air operated pumps (non electrical)
- Superior flow rates and efficiency
- Superior product containment
- Bolted liquid paths
- Self priming
- Run-dry capable
- Anti-freezing technology
- Deadhead without damage
- Variable flow & pressure
- Intrinsically safe
- Lube-free operation
- On/Off reliability
- Large solids passage
- Ease of operation and maintenance

APPLICATIONS

- Solvents
- Acids
- Caustics
- High viscosity
- High pressure
- Large solids
- Abrasive media
- Hazardous & flammable liquids
- Clean-room fluids

Plating & Finishing

Pulp & Paper

Sanitary

Semiconductor

Waste Treatment

Installation VERSATILITY

SELF - PRIMING

Portable

High vacuum

Run-dry capable

No heat generation

POSITIVE SUCTION HEAD

Preferred installation for high viscosity applications

Superior product containment

Inlet pressure should be limited to 0.7 bar (10 psig) to maximize parts life

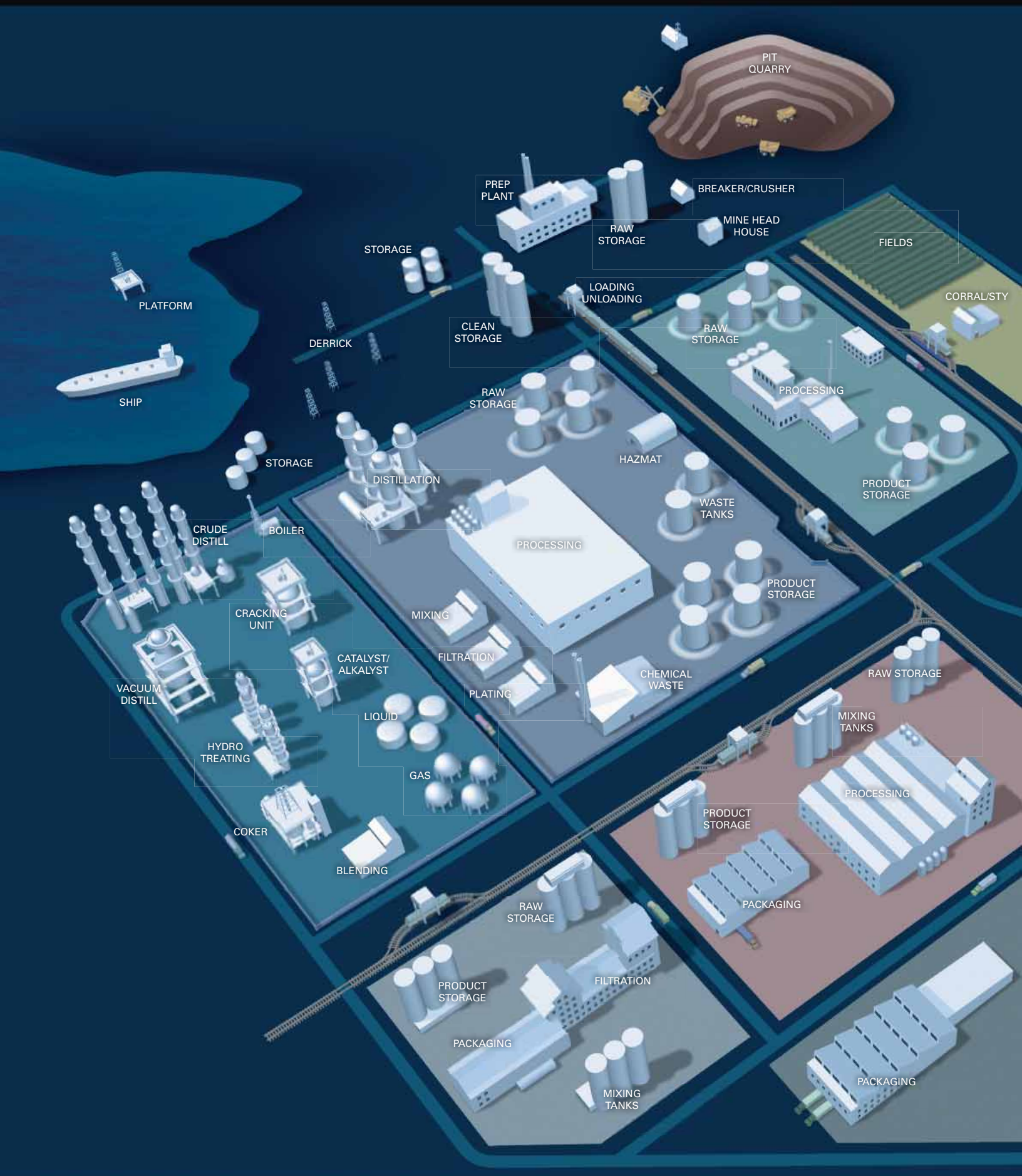
SUBMERGED

Air operated pumps (non electrical)

Submersible option required

Single-point exhaust options available

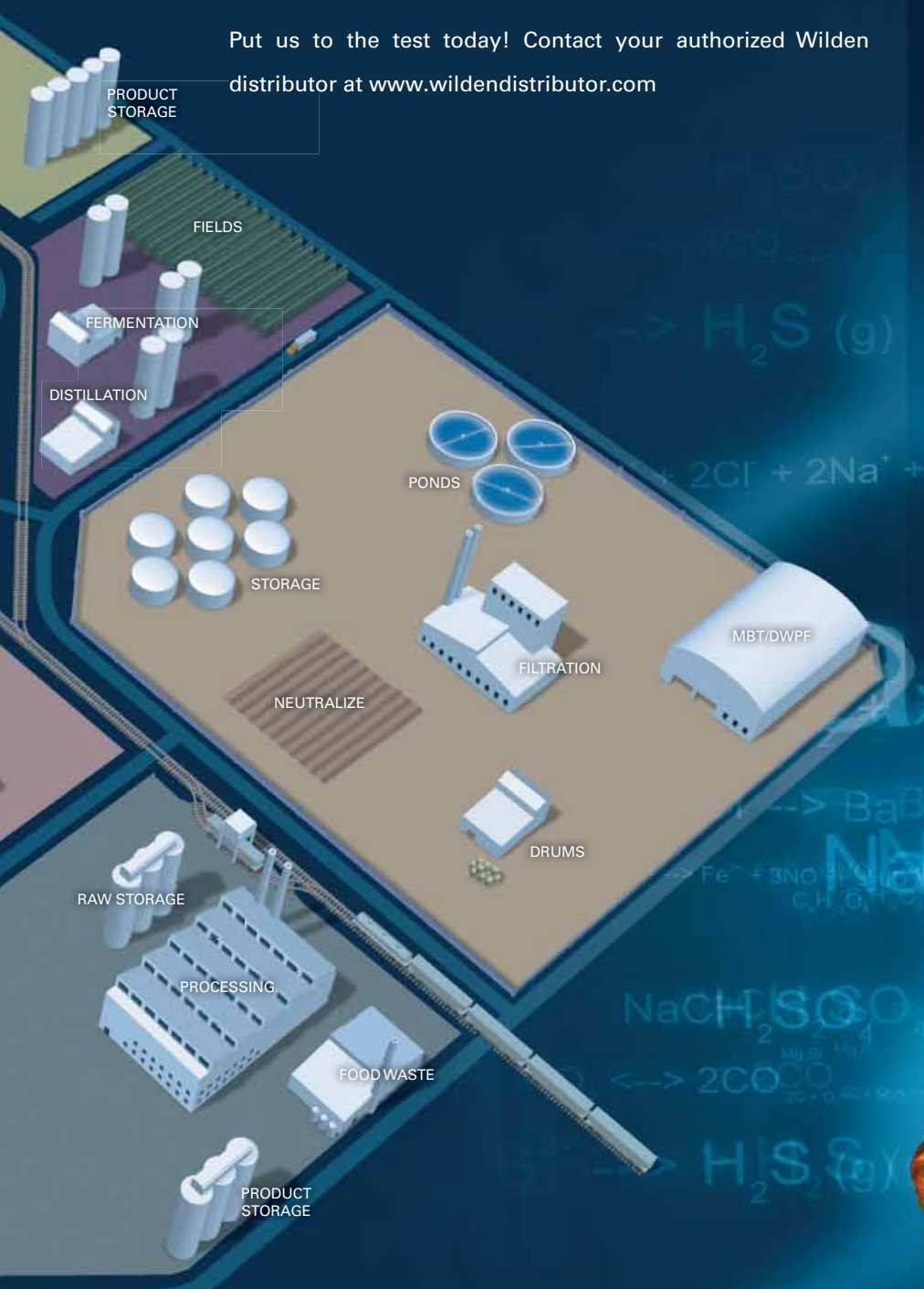
Multiple material options available for process fluid compatibility


PIT
QUARRY
PREP
PLANT
BREAKER/CRUSHER
MINE HEAD
HOUSE
RAW
STORAGE
FIELDS
STORAGE
LOADING
UNLOADING
CORRAL/STY
PLATFORM
CLEAN
STORAGE
RAW
STORAGE
DERRICK
SHIP
RAW
STORAGE
PROCESSING
HAZMAT
STORAGE
DISTILLATION
PRODUCT
STORAGE
WASTE
TANKS
CRUDE
DISTILL
BOILER
PROCESSING
PRODUCT
STORAGE
CRACKING
UNIT
MIXING
CATALYST/
ALKALYST
FILTRATION
CHEMICAL
WASTE
RAW STORAGE
VACUUM
DISTILL
PLATING
MIXING
TANKS
LIQUID
HYDRO
TREATING
GAS
PROCESSING
PRODUCT
STORAGE
COKER
PACKAGING
BLENDING
RAW
STORAGE
PRODUCT
STORAGE
FILTRATION
PACKAGING
PACKAGING
MIXING
TANKS

APPLICATION FLEXIBILITY

Wilden's fluid transfer solutions provide you a wide range of application possibilities for your pre-process, process and post process needs. This application map is a sample representation of the wide range capabilities of Wilden products.

Put us to the test today! Contact your authorized Wilden distributor at www.wildendistributor.com



- REFINERY
- CHEMICAL PLANT
- BIODIESEL
- FARM
- VINEYARD
- WASTE PROCESSING
- FOOD PROCESSING
- BIOPHARMACEUTICAL
- PAINT PLANT
- MINING

Air Distribution SYSTEMS

The Pro-Flo X™ is the latest innovation to the AODD pump world. The Pro-Flo X™ air distribution system (ADS) is based on the patented Pro-Flo® ADS and offers operational flexibility never before seen. This flexibility comes from the patent pending Efficiency Management System (EMS™) which allows the user to optimize the Pro-Flo X™ ADS for any application demands or pump size.

Due to its ground-breaking design, the Pro-Flo X™ and EMS™ technology are simple and easy to use. The integrated control dial located at the top of the ADS allows users to easily select the flow rate that best suits the application. The results are higher performance, lower operational costs and performance flexibility that goes far beyond what was previously considered the industry standard.

The Pro-Flo X™ ADS makes previously restrictive rules for AODD pumps a reality. The Pro-Flo X™ ADS is dependable, energy efficient and excels in the harshest of conditions; put us to the test today.

THE RULES HAVE CHANGED!

PRO-FLO X™
PROGRESSIVE PUMP TECHNOLOGY

MARKET POSITION

- Variable control (Discharge flow rates & air consumption)
- Superior flow rate
- Superior anti-freezing
- Submersible options
- Lube-free operation
- ON/OFF reliability
- Most efficient (GPM/SCFM)
- ATEX models available

FEATURES

- Efficiency Management System (EMS™)
- Metal and Plastic Material Options
- Non-stalling unbalanced spool
- Simple and durable design

APPLICATION TRAITS

- Maximize performance and efficiency
- Process applications
- Max. Mean Time Between Repair (MTBR)

AVAILABILITY

- 25 mm (1")
- 38 mm (1-1/2")
- 51 mm (2")
- 76 mm (3")

PRO-FLO®
PROGRESSIVE PUMP TECHNOLOGY

MARKET POSITION
- Anti-freezing
- ON/OFF reliability
- Longest-lasting wear parts
- Lube-free operation

APPLICATION TRAITS
- Maximum reliability
- Process applications
- Max. MTBR (Mean Time Between Repair)

FEATURES
- Plastic center block*
- Non-stalling unbalanced spool
- Simple and durable design

AVAILABILITY
- 6 mm (1/4"), 13 mm (1/2"), 25 mm (1"), 38 mm (1-1/2"), 51 mm (2"), 76 mm (3")

ACCU-FLO™
SOLENOID PUMP TECHNOLOGY

MARKET POSITION
- Direct electrical interface
- Superior ON/OFF reliability
- Reduced systems costs
- Lube-Free operation

APPLICATION TRAITS
- System automation
- 4-20 mA pH Adjusting
- Batching Applications
- OEM accounts

FEATURES
- Externally controlled
- Various voltage options
- Nema 4, Nema 7, or ATEX
- Simple installation

AVAILABILITY
- 6 mm (1/4"), 13 mm (1/2"), 25 mm (1")

Progressive DIAPHRAGM TECHNOLOGY

THERMOPLASTIC ELASTOMER (TPE)

- **POLYURETHANE:** An excellent general purpose diaphragm for use in non-aggressive applications. This material exhibits exceptional flex life and durability. Wilden's most economical diaphragm.
- **WIL-FLEX™:** Made of Santoprene®, this diaphragm is an excellent choice as a low cost alternative to PTFE in many acidic and caustic applications such as sodium hydroxide, sulfuric or hydrochloric acids. Exhibits excellent abrasion resistance and durability at a cost comparable to neoprene.
- **SANIFLEX™:** Made of Hytrel™, this diaphragm exhibits excellent abrasion resistance, flex life and durability. This material is FDA approved for food processing applications. An outstanding general purpose diaphragm as well.

PTFE ELASTOMERS

- **PTFE:** Excellent choice when pumping highly aggressive fluids such as aromatic or chlorinated hydrocarbons, acids, caustics, ketones and acetates. Wilden's PTFE diaphragms exhibit good flex life.
- Wilden also offers PTFE integral piston diaphragms that offer superior product containment. The smooth contoured shape makes this diaphragm an excellent choice for sanitary or ultra pure applications.

ULTRA-FLEX™ DIAPHRAGM TECHNOLOGY

- Guaranteed longer life – If longer life is not experienced, Wilden will send you a new set of Ultra-Flex™ diaphragms free of charge.
- Convolute shape, altered fabric placement, and unique hardware work together to decrease the unit loading on the diaphragm and distribute stress.
- **MATERIAL OPTIONS:** Neoprene, Buna-N, EPDM, Viton®

DIAPHRAGM CONSIDERATIONS

FLEX LIFE	CHEMICAL RESISTANCE	TEMPERATURE LIMITATIONS	ABRASION RESISTANCE	INITIAL COST

RUBBER ELASTOMERS

- **NEOPRENE:** An excellent general purpose diaphragm for use in non-aggressive applications such as water-based slurries, well water or sea water. Exhibits excellent flex life and low cost.
- **BUNA-N:** Excellent for applications involving petroleum/oil-based fluids such as leaded gasolines, fuel oils, hydraulic oils, kerosene, turpentines and motor oils.
- **EPDM:** Excellent for use in applications requiring extremely cold temperatures. May also be used as a low cost alternative for pumping dilute acids or caustics.
- **VITON®:** Excellent for use in applications requiring extremely hot temperatures. May also be used in aggressive fluids such as aromatic or chlorinated hydrocarbons and highly aggressive acids. PTFE would normally be used with these aggressive fluids as its flex life is better than Viton®. However, in applications involving suction lift outside the range of PTFE, Viton® will be the preferred choice for highly aggressive fluids.

ELASTOMER TEMPERATURE LIMITS:

NEOPRENE:	-17.7°C to 93.3°C	(0°F to 200°F)
BUNA-N:	-12.2°C to 82.2°C	(10°F to 180°F)
EPDM:	-51.1°C to 137.8°C	(-60°F to 280°F)
VITON®:	-40°C to 176.7°C	(-40°F to 350°F)
WIL-FLEX™:	-40°C to 107.2°C	(-40°F to 225°F)
SANIFLEX™:	-28.9°C to 104.4°C	(-20°F to 220°F)
POLYURETHANE:	-12.2°C to 65.6°C	(10°F to 150°F)
PTFE:	4.4°C to 104.4°C	(40°F to 220°F)

Please verify the chemical resistance capabilities and temperature limitations of elastomers and all other pump components prior to pump installation. Wilden publication PUG II (Pump Users Guide II) and the On line Chemical guide should be consulted for specifics.

Go to www.wildenchemicalguide.com for your Wilden Chemical Compatibility Chart

Advanced™ BOLTED PUMPS

As the global leader in AODD bolted pumps, Wilden has the largest material offering in the industry. The Advanced™ Series metal and plastic bolted pumps offered by Wilden are specifically designed for maximum performance, efficiency, and containment. The bolted configuration ensures total product containment while the liquid path reduces internal friction to maximize output and efficiency. Multiple elastomer options are available to meet and exceed your abrasion, temperature, and chemical compatibility challenges.

Advanced™ Series pumps are offered in aluminum, stainless steel, alloy C, polypropylene, PVDF and PFA. A variety of connection options and specialized air distribution systems are also available for your specific application needs.

YOUR NEEDS

PERFORMANCE

CONTAINMENT

COST

OUR SOLUTIONS

ADVANCED™ SERIES PUMPS

- Higher flow rates
- Variable flow & pressure
- Shear sensitive
- Intrinsically safe
- Dry-run capable
- Portable & submersible
- Large solids passage
- High suction lift

SUPERIOR CONTAINMENT

- Leak-free operation
- Superior torque retention
- Unique valve seat design
- Superior finish on sealing surfaces
- Multiple liquid connections available

ENHANCED EFFCIENCIES

- Pro-Flo X™, Pro-Flo®, Accu-Flo™
- Anti-Freezing ADS
- Greater flow per SCFM input
- Low cost of ownership
- Ease of operation & maintenance

THE RESULTS

SUCCESS

- Achieve higher yields
- Increased pump output
- Increased On/Off reliability
- Reduced turbulence
- Reduced internal friction

CONTAINMENT ENSURED

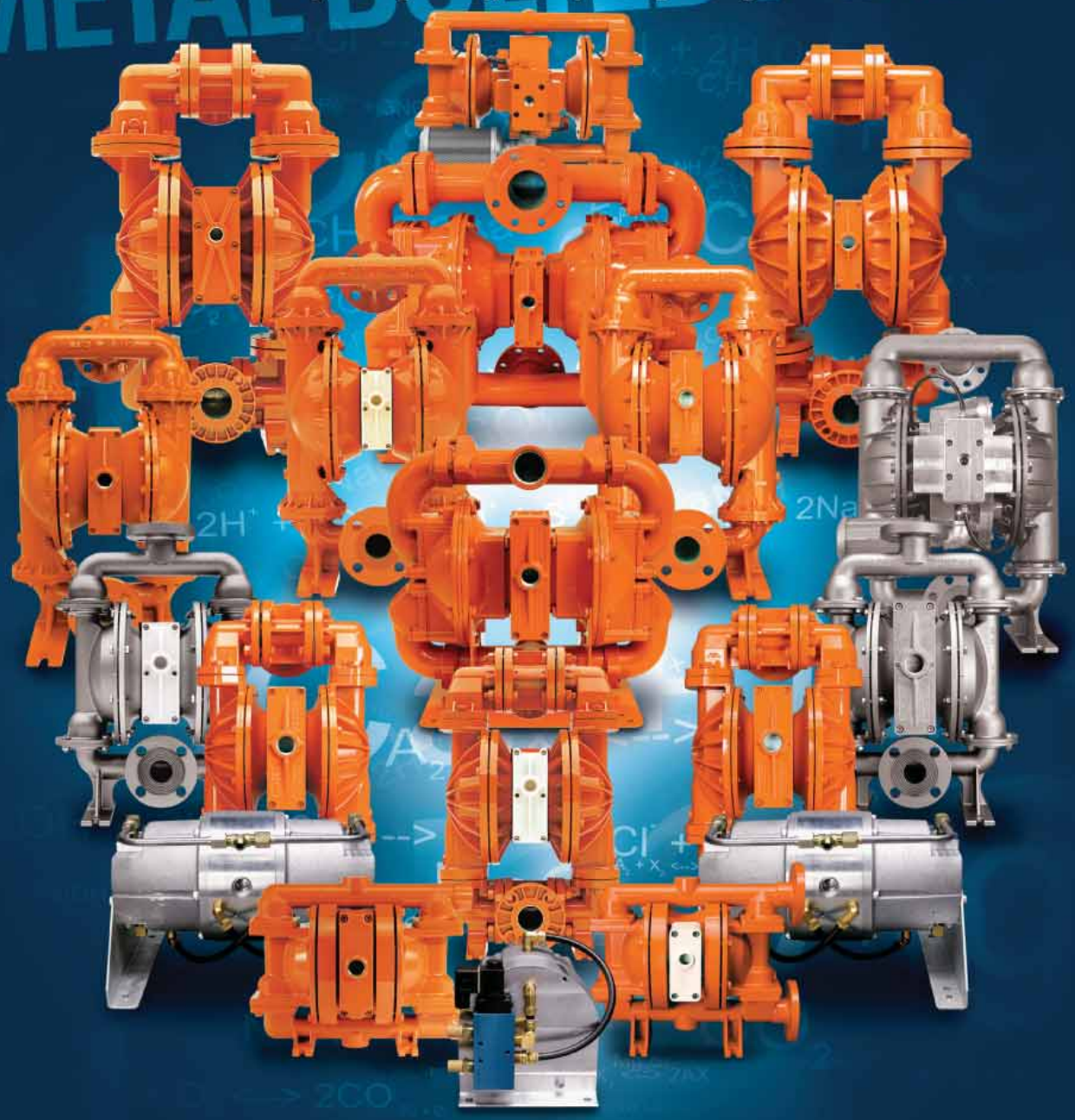
- Leak-free pump operation
- Viscous & non-viscous product transfer
- Largest chemical compatibilities
- Transfer with confidence

COST EFFICIENT

- Optimized applications
- Reduced air consumption
- Reduced kilowatt usage
- Longest Mean Time Between Repair (MTBR)
- Lower operational costs & downtime
- Saves you money

METAL BOLTED PUMPS

ADVANCED SERIES



FEATURES

- ADS: Pro-Flo®, Pro-Flo X™, Accu-Flo™
- All metal bolted construction
- Higher flow rates
- Superior containment
- Anti-Freezing technology
- Portable & Submersible
- BSPT (NPT) or DIN (ANSI) liquid connections available
- Lube-free operation

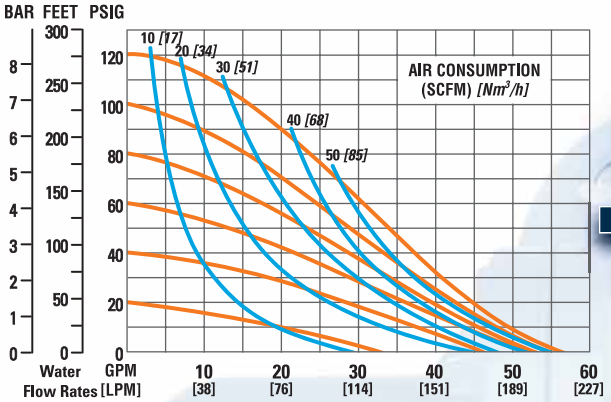
TECH DATA

- Sizes: 6mm (1/4") through 76mm (3")
- Materials: Aluminum, Ductile Iron, Stainless Steel, Alloy C
- Elastomer Temperatures: Up to 176.7°C (350°F)
- Elastomers: Buna-N, Neoprene, EPDM, Viton®, Wil-Flex™, Saniflex™, Polyurethane, PTFE

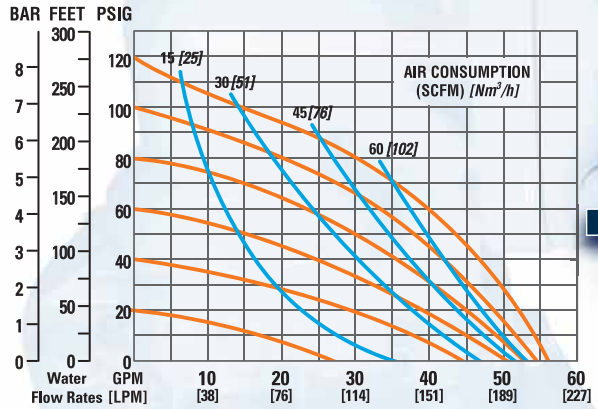
PERFORMANCE DATA

- Max flow rates: 1021 lpm (270 gpm)
- Max suction lift: 9.5 m (31.2') Wet, 7.6 m (25.0'), Dry
- Max Disp. per stroke: 6.09 l (1.61 gal)
- Max discharge pressure: 220.6 bar (3200 psig)
- Max size solids: 76 mm (3")

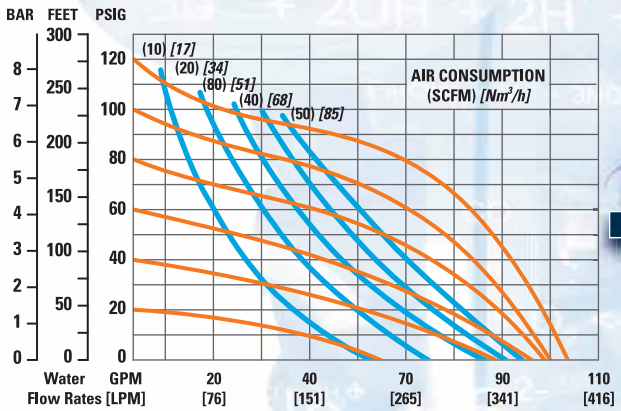
RUBBER



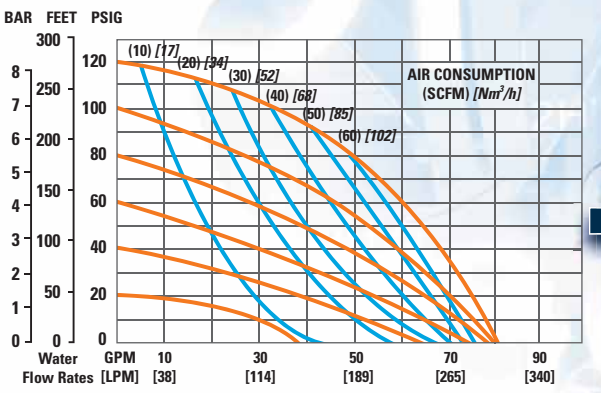
P200
25 mm (1")
METAL



PX200
25 mm (1")
METAL

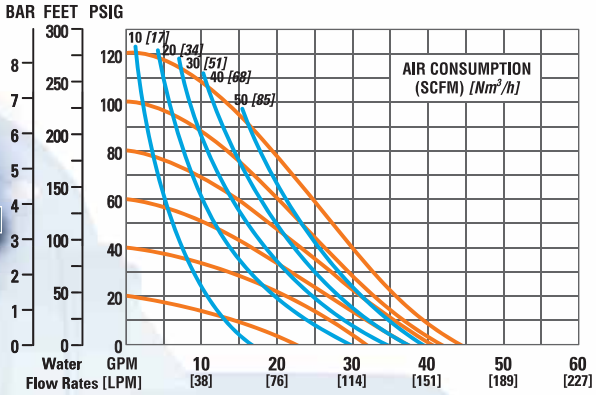


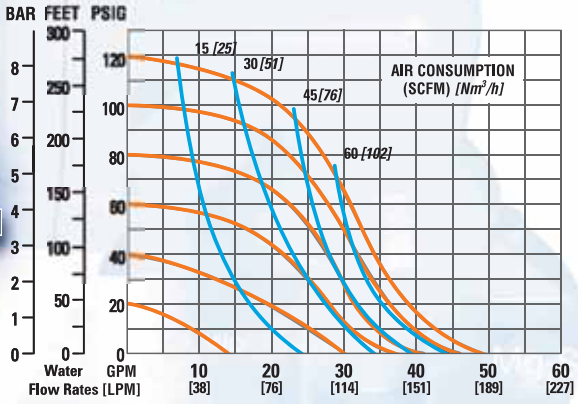
P400
38 mm (1-1/2")
ALUMINUM

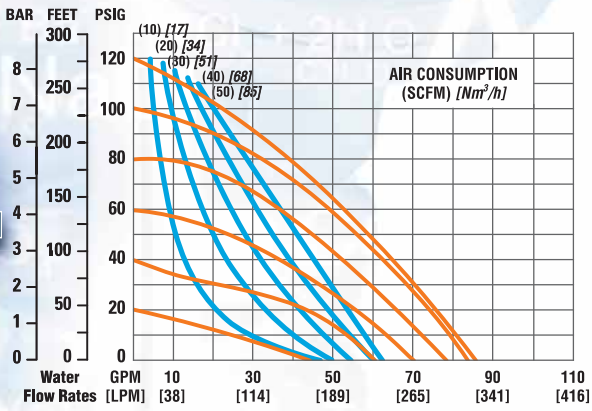


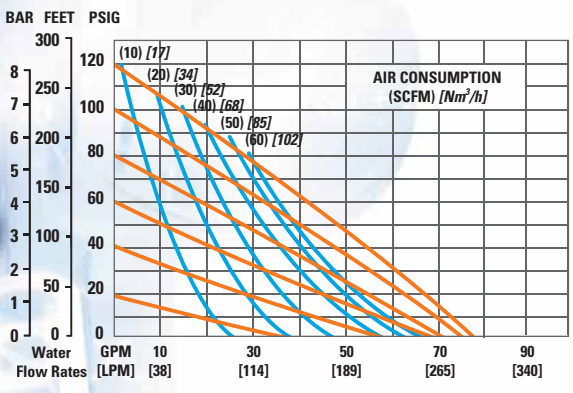
P400
38 mm (1-1/2")
STAINLESS STEEL

PTFE



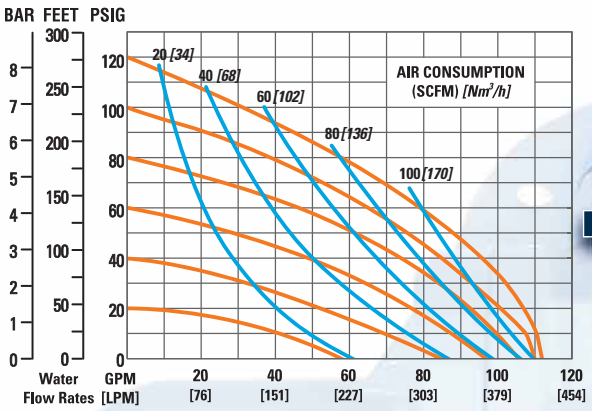




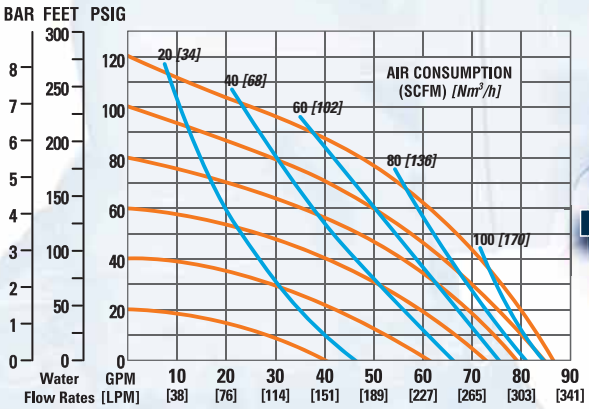


ADVANCED
METAL CURVES

RUBBER

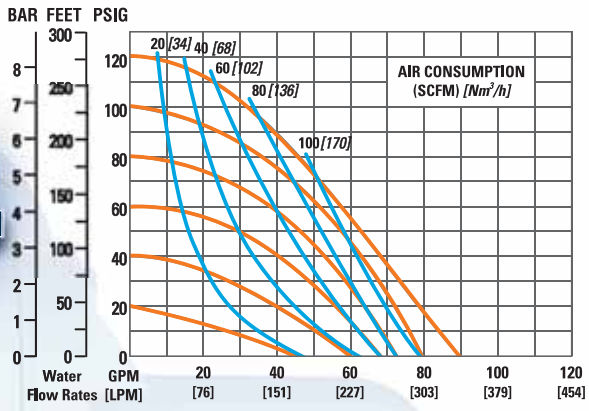


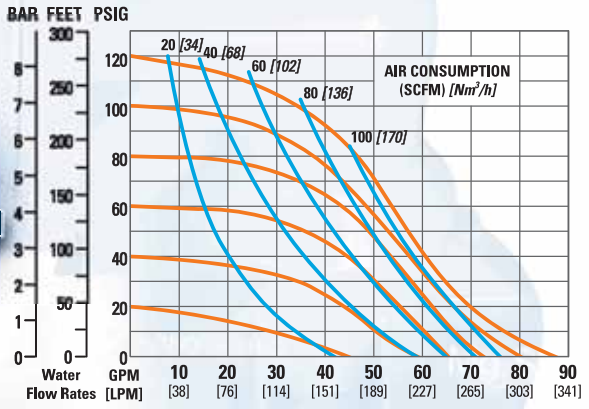
PX400
38 mm (1-1/2")
ALUMINUM

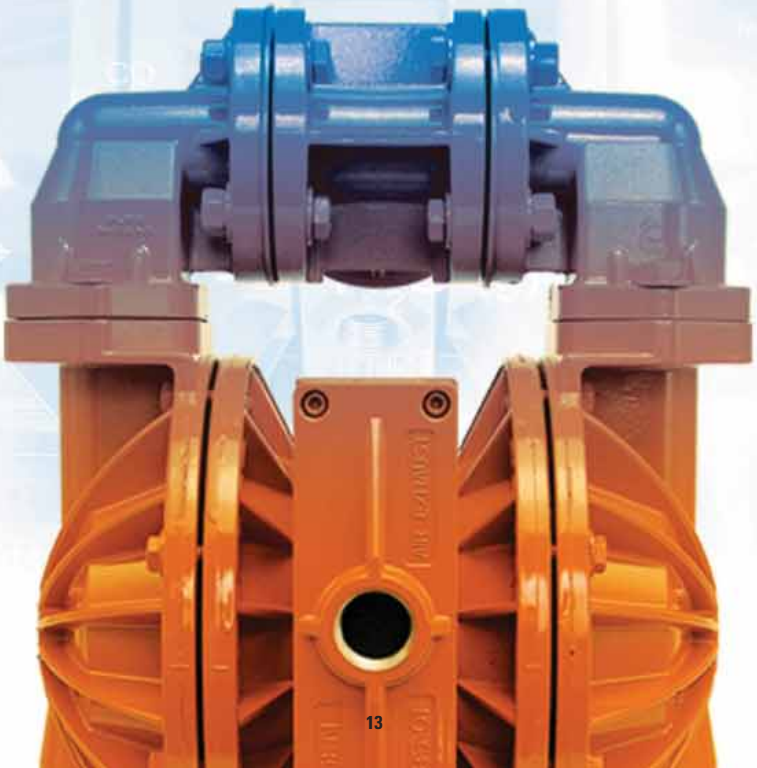


PX400
38 mm (1-1/2")
STAINLESS STEEL

PTFE







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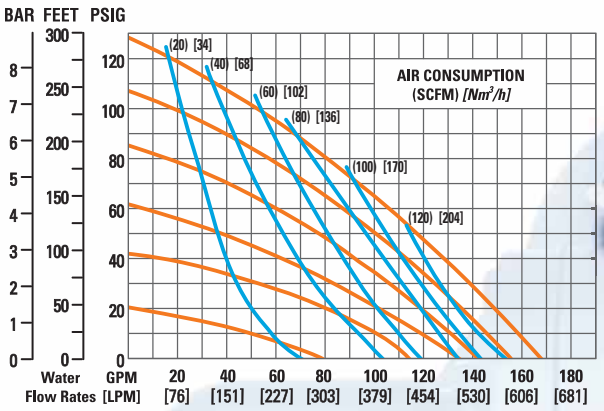
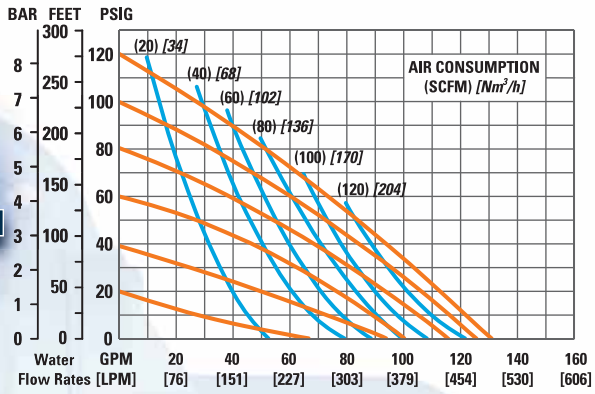
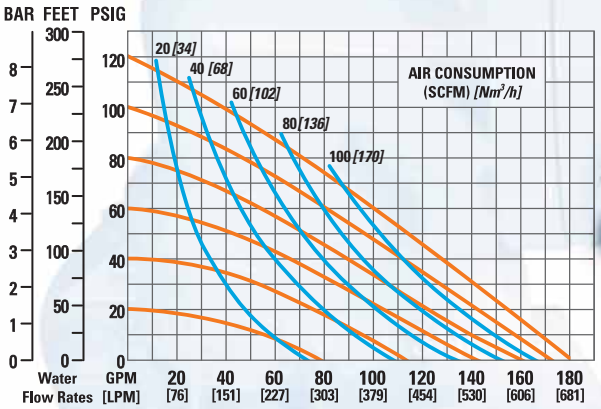


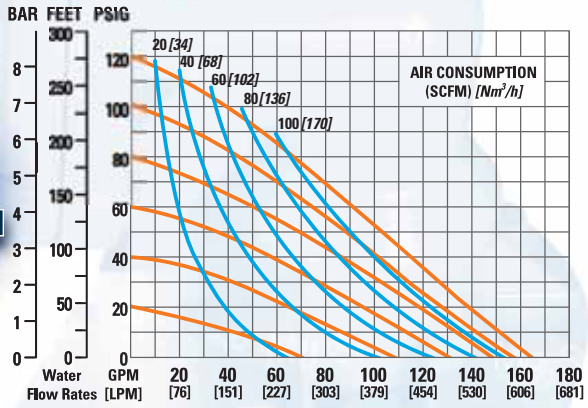
P800
51 mm (2")
METAL

PTFE





PX800
51 mm (2")
METAL



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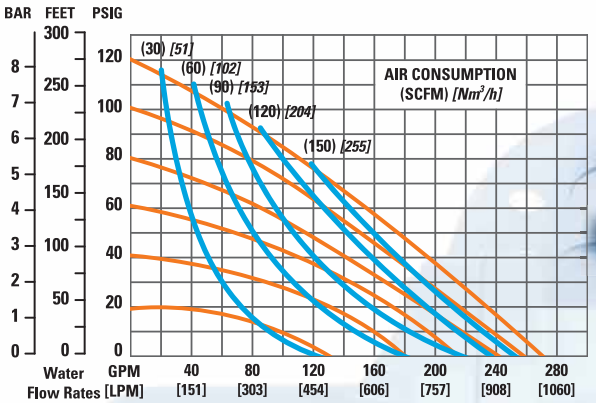
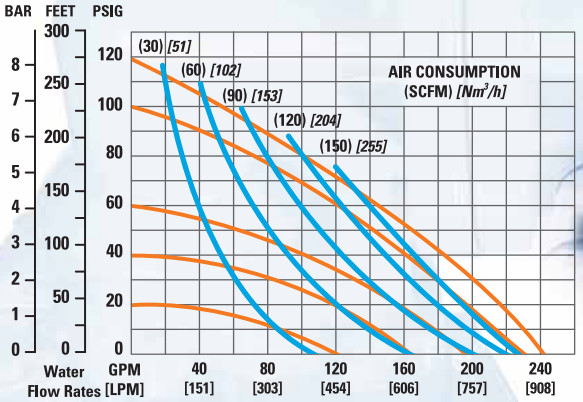
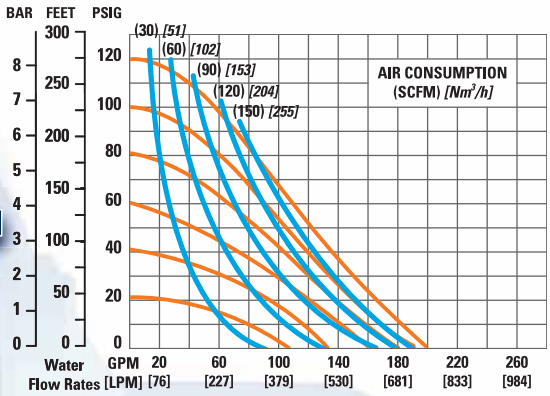


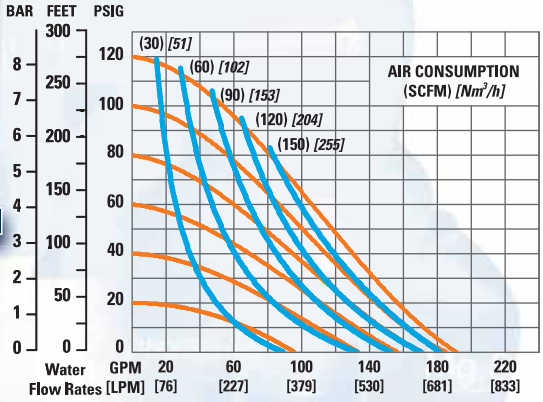
PX1500
76 mm (3")
ALUMINUM

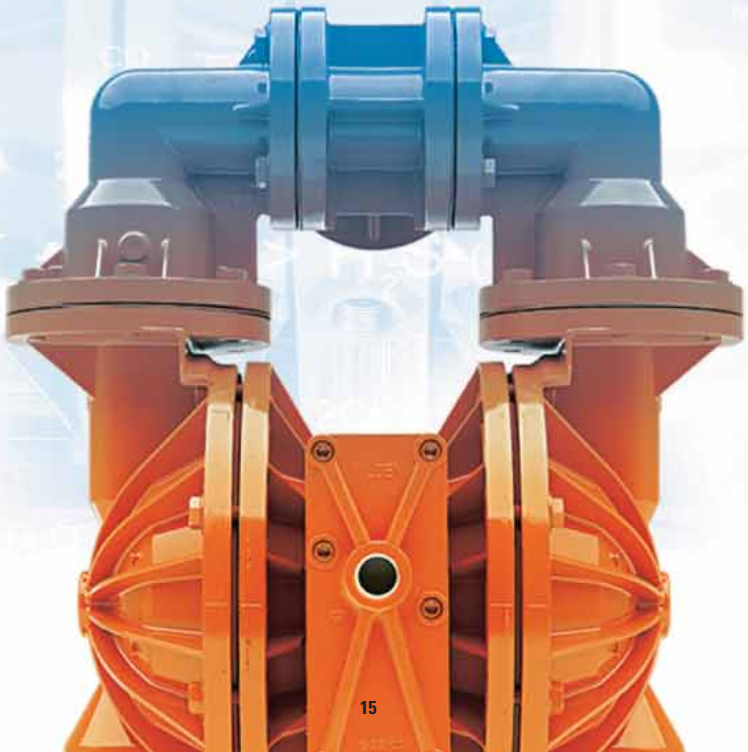


PX1500
76 mm (3")
STAINLESS STEEL

PTFE







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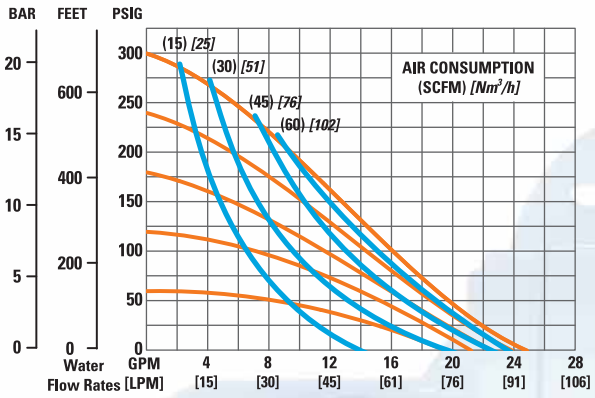
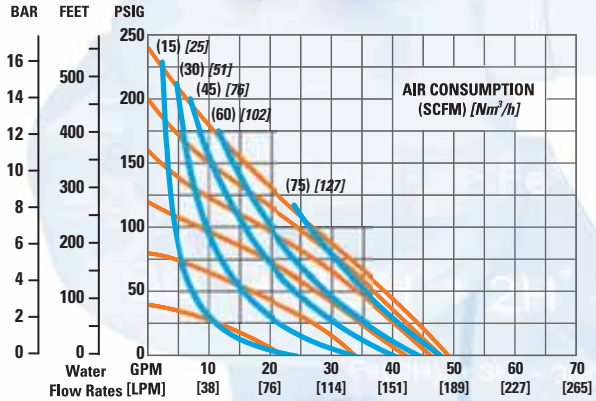


H200

25 mm (1")

METAL

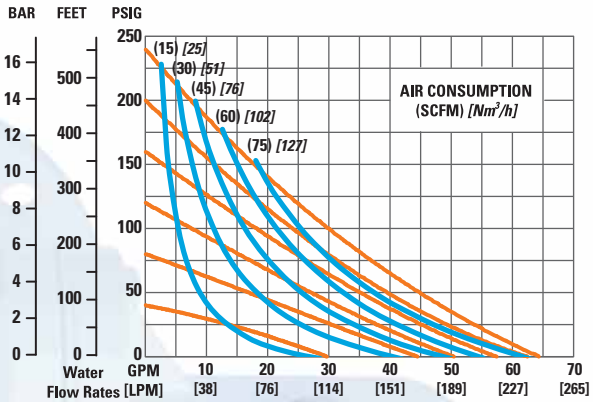


H400 S

38 mm (1-1/2")

STAINLESS STEEL

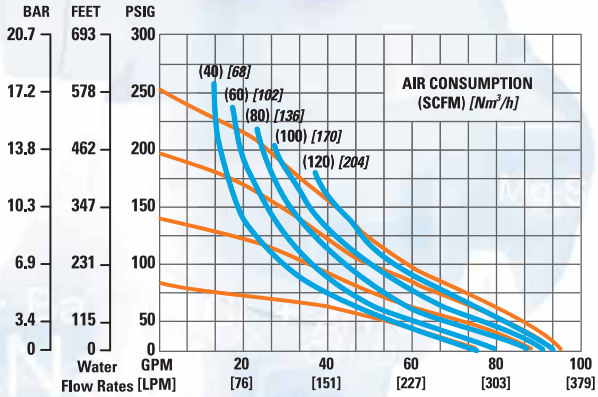
PTFE



H400 S

38 mm (1-1/2")

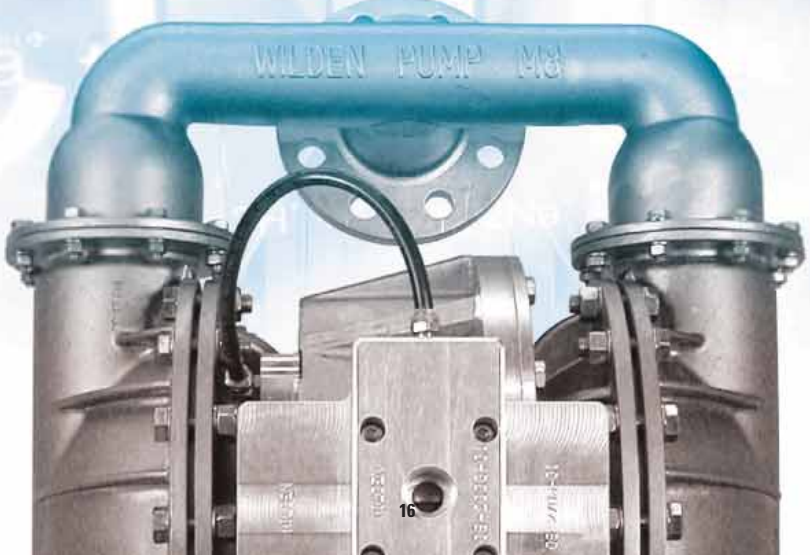
ALUMINUM



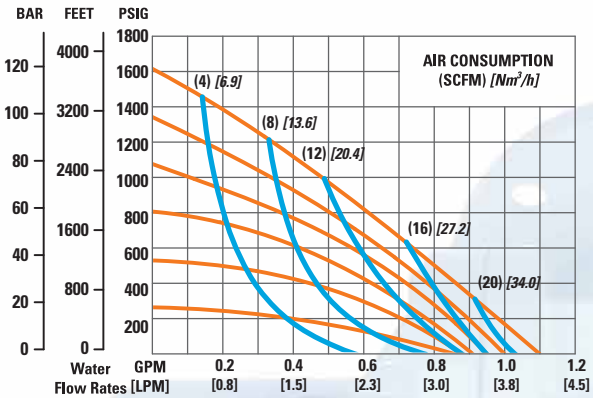
H800

51 mm (2")

METAL



POLYURETHANE

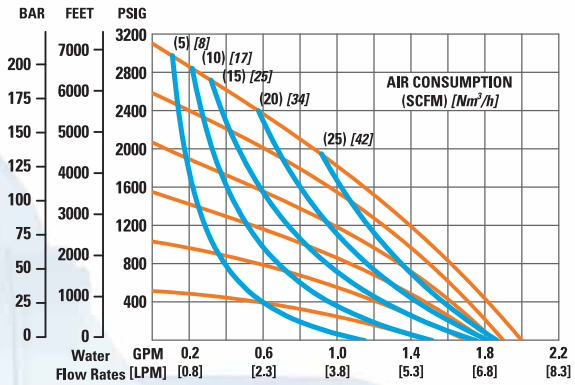


H25

6 mm (1/4")

METAL

POLYURETHANE

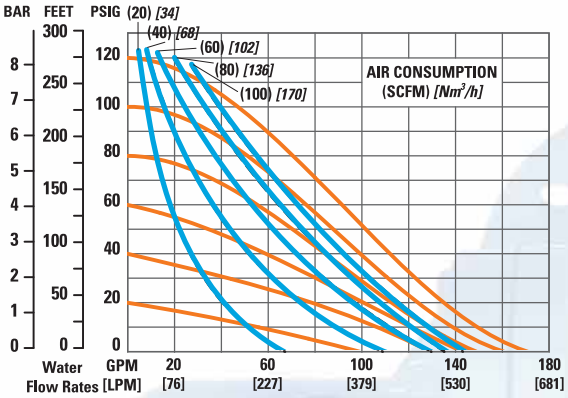


H38

10 mm (3/8")

METAL

RUBBER

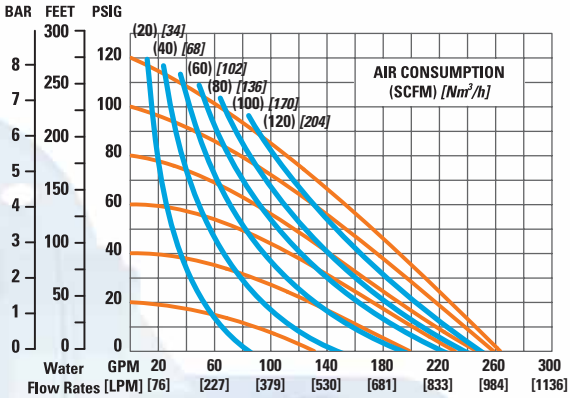


PV810

51 mm (2")

METAL

RUBBER



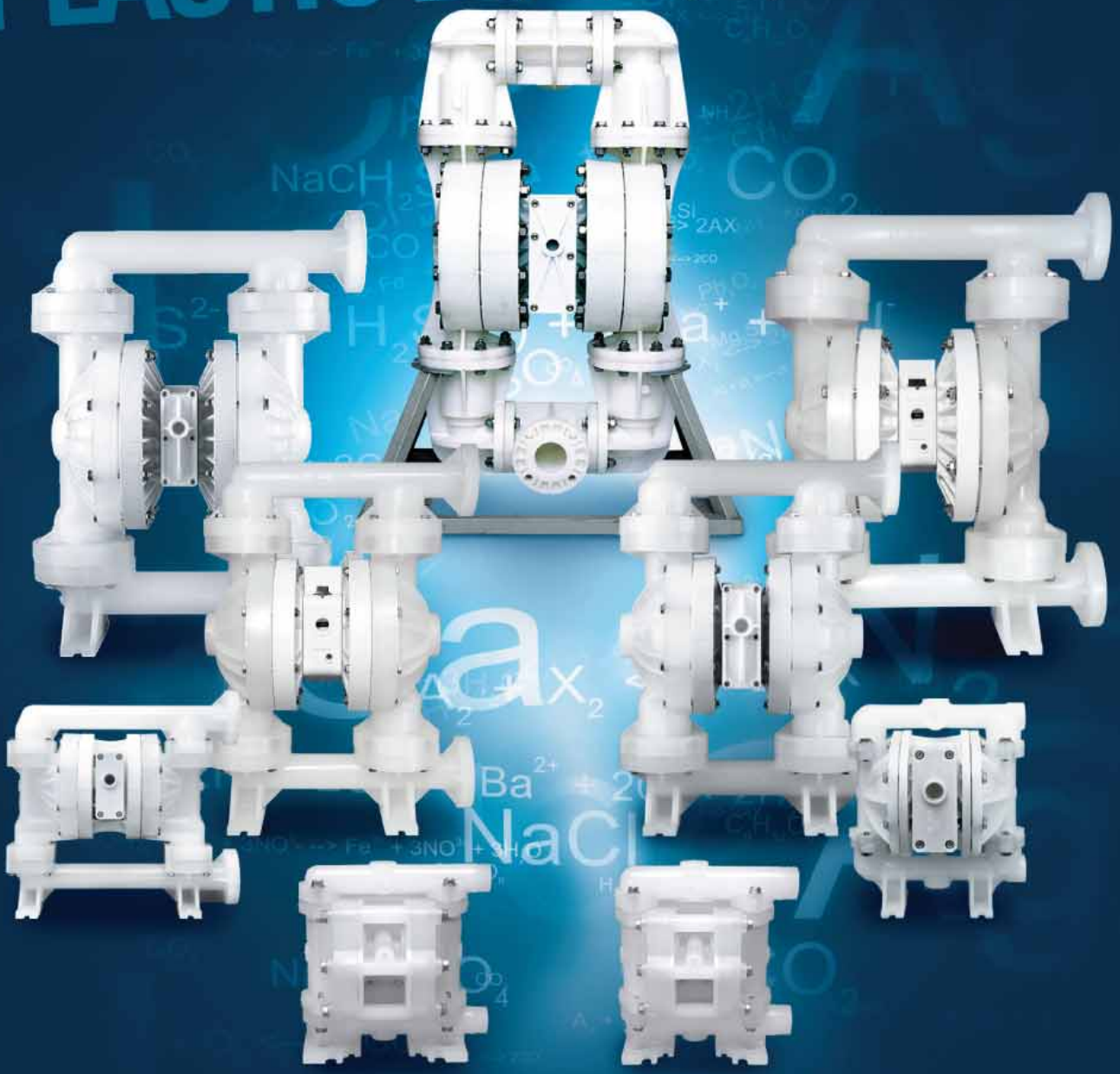
PV1510

76 mm (3")

METAL

PLASTIC BOLTED PUMPS

ADVANCED SERIES



FEATURES

- ADS: Pro-Flo®, Pro-Flo X™, Accu-Flo™
- Superior flow rates
- Superior containment
- Anti-freezing technology
- Portable & Submersible
- DIN (ANSI) liquid connections available
- Lube-free operation

TECH DATA

- Sizes: 6mm (1/4") through 76 mm (3")
- Materials: Polypropylene, PVDF, PFA
- Material Temperatures: Up to 107.2°C (225°F)
- Elastomers: Buna-N, Neoprene, EPDM, Viton®, Wil-Flex™, Saniflex™, Polyurethane, PTFE

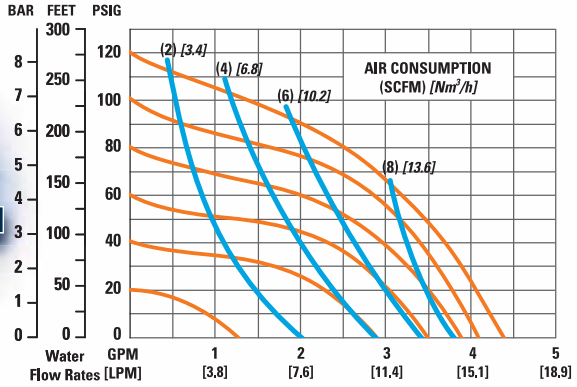
PERFORMANCE DATA

- Max flow rates: 784 lpm (207 gpm)
- Max suction lift: 9.8 m (32.0') Wet, 6.6 m (21.6') Dry
- Max Disp. Per Stroke: 3.75 l (0.99 gal)
- Max discharge pressure: 8.6 Bar (125 psig)
- Max size solids: 12.7 mm (1/2")

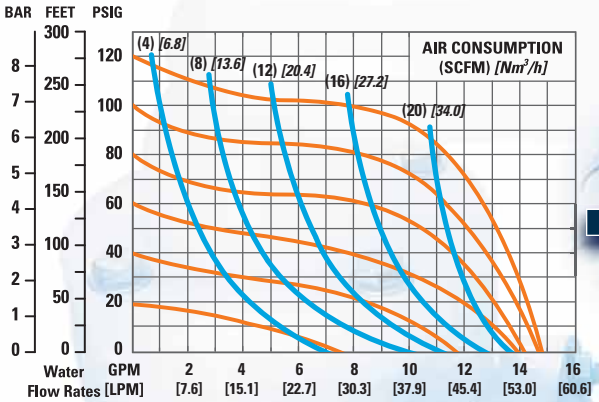
RUBBER

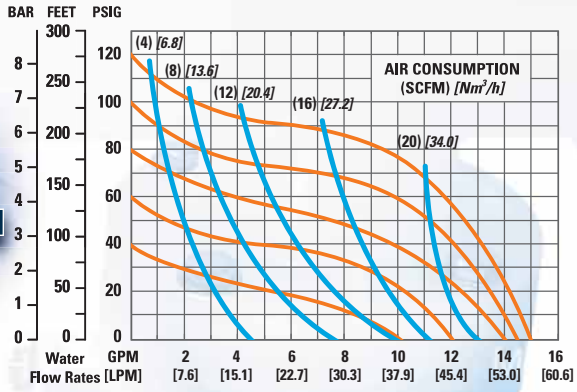
PTFE

P25
6 mm (1/4")
PLASTIC

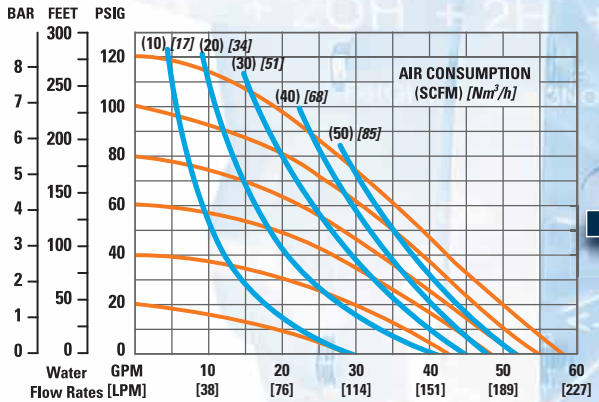


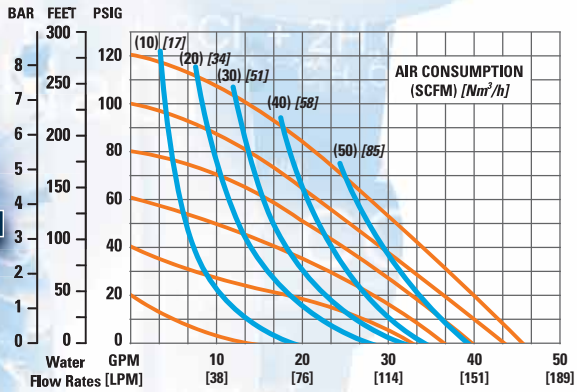
P100
13 mm (1/2")
PLASTIC





P200
25 mm (1")
PLASTIC





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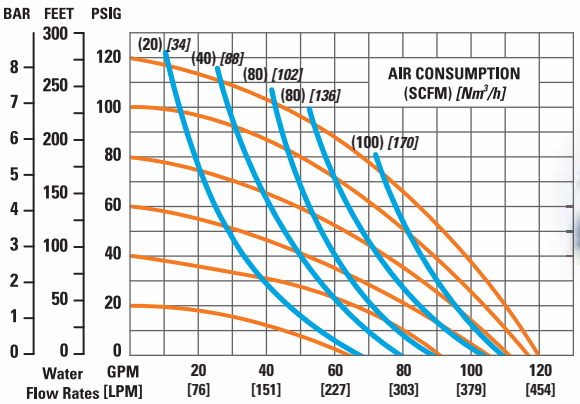
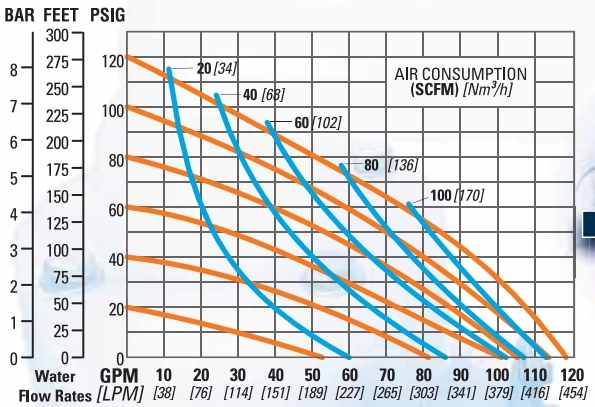
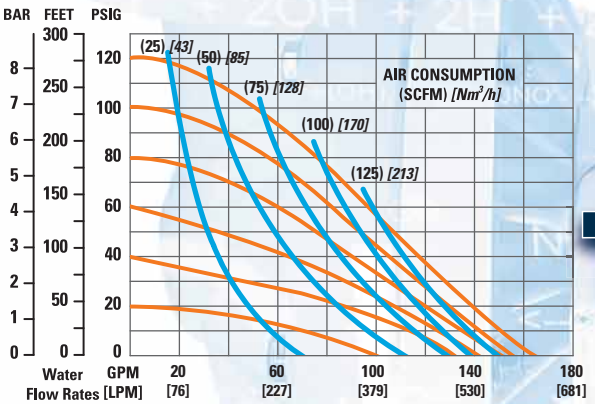


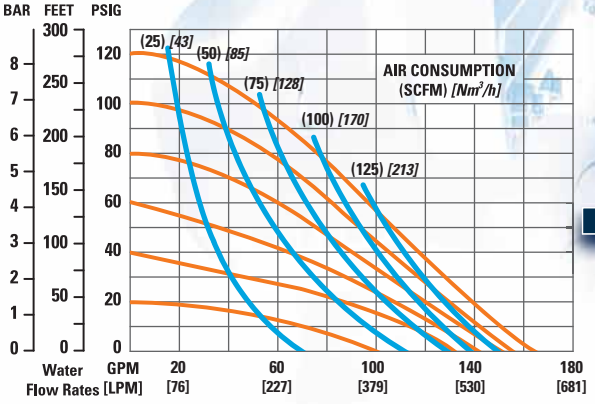
P400
38 mm (1-1/2")
PLASTIC



PX400
38 mm (1-1/2")
PLASTIC

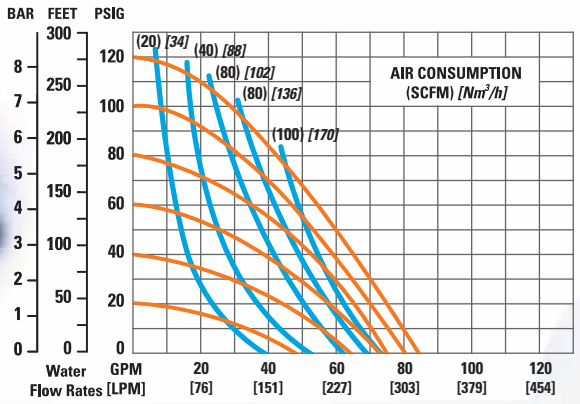


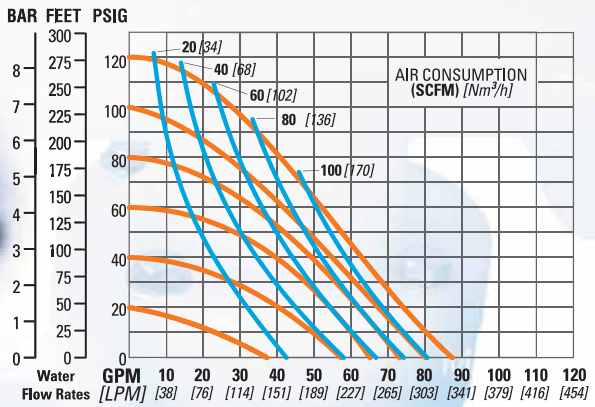
P800
51 mm (2")
PLASTIC

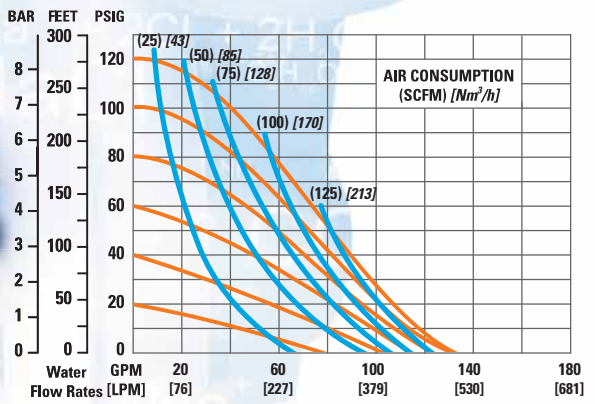


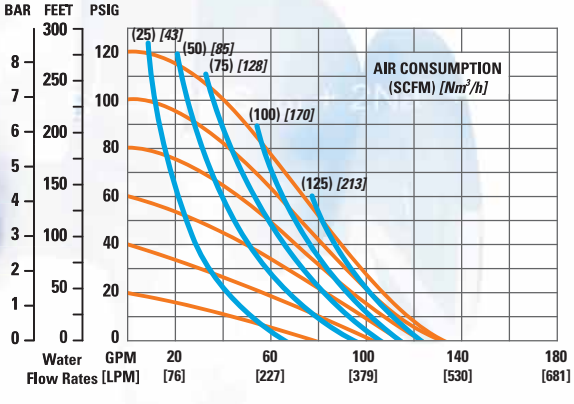
P800
51 mm (2")
PLASTIC DROP-IN

PTFE

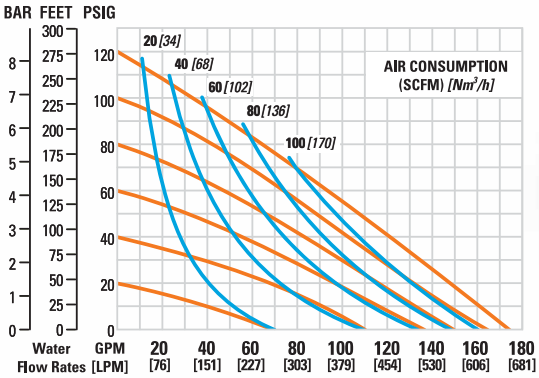








RUBBER

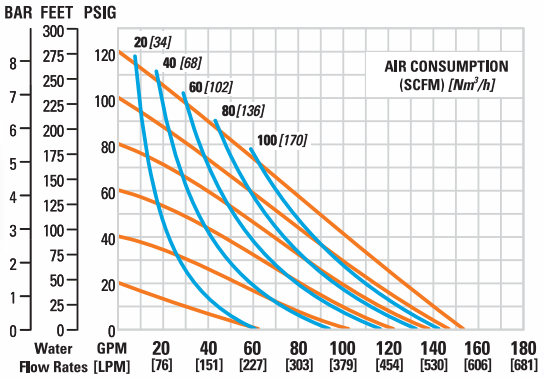


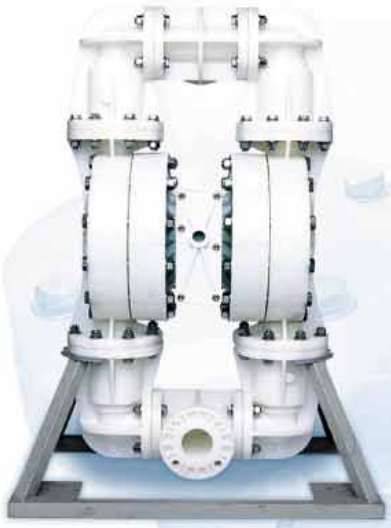
PX800

51 mm (2")

PLASTIC

PTFE

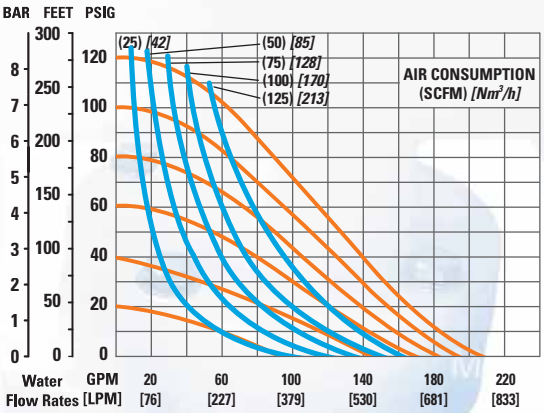




P1500

76 mm (3")

PLASTIC



THE EQUALIZER

WILDEN AUTOMATIC SURGE DAMPENER

SD Equalizers® reduce pressure fluctuation inherent in positive displacement pumps

FEATURES & BENEFITS

- Reduce pipe vibration and shaking
- Protects in-line equipment
- Reduces water hammer
- Absorbs acceleration head
- Lower system maintenance cost
- Suction stabilizer
- Prevent leaking at pipe fittings and joints
- Extend and improve pump performance
- Avoid damaging pressure surges
- Wide range of material and elastomer options
- Common parts with Wilden pumps
- Self adjusts to system pressure

AVAILABLE SIZES

- 13 mm (1/2")
- 25 mm (1")
- 38 mm (1-1/2")
- 51 mm (2")
- 76 mm (3")

MATERIAL OF CONSTRUCTION

WETTED HOUSING

- Aluminum
- 316 Stainless Steel
- Ductile Iron
- Polypropylene
- PVDF

AIR DISTRIBUTION SYSTEM

- Aluminum
- 316 Stainless Steel
- PTFE Coated Ductile Iron
- Polypropylene
- Glass filled Polypropylene
- Mild Steel PTFE Coated

ATEX MODELS AVAILABLE

ELECTRONIC ACCESSORIES

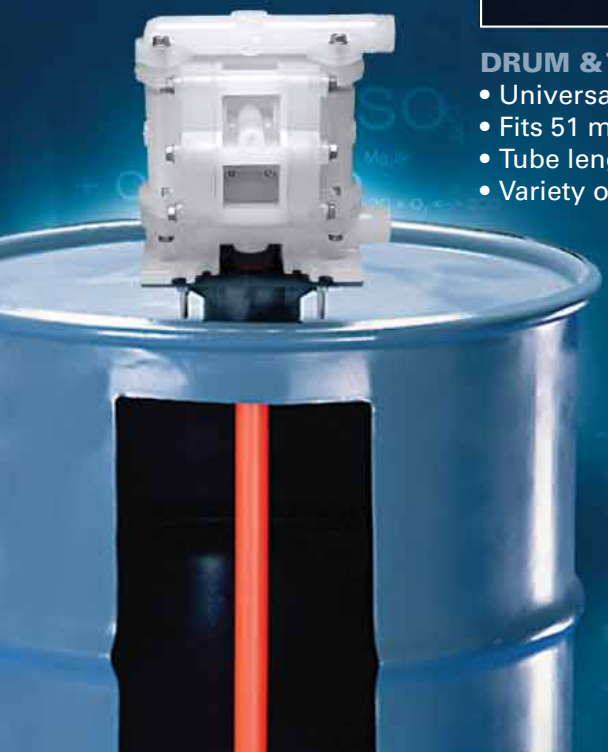
LEAK DETECTION

- Detects diaphragm failure at the source: The PTFE primary diaphragm
- Sensors are located between the primary and back-up (containment) diaphragms
- When the sensors detect a conductive liquid, an audible alarm, LED, and an internal latching relay are activated
- Increase containment, reduce fugitive emissions, and reduce down time with 24-hour pump surveillance
- Power Requirement: 110V AC, 220V AC or 9V DC Battery

PUMP CYCLE MONITOR

- The PCMI counts pump cycles by sensing the presence of the air valve spool (Pro-Flo®).
- The Sensor, located at the air valve end cap, detects the presence of a magnet located at the end of the air valve piston/spool.
- The PCMI unit registers a complete pump cycle when the piston/spool shifts away from the sensor and subsequently returns to the original position.
- The PCMI unit has a reset switch located on the face of the PCMI module
- PCMI also has the ability to be reset from a remote location.

DRUM UNLOADING



DRUM & TOTE UNLOADING

- Universal kit for 6 mm (1/4"), 13mm (1/2") pumps
- Fits 51 mm (2") NPT bungholes
- Tube length can be cut to length
- Variety of materials are available

THINGS TO THINK ABOUT WHEN SELECTING AN AIR-OPERATED DOUBLE-DIAPHRAGM PUMP (AODDP)

APPLICATION

- What application will the pump be used in?
- What are you pumping?
- Do you need maximum containment?
- Do you need lube-free operation?
- Does the pump need to be submersible?
- What cleaning fluids would be used to clean the pump?
- What are your performance parameters (flow rates, air consumption, viscosities, suction lift)?
- Do I need a pulsation dampener?

AIR DISTRIBUTION SYSTEM (ADS)

- What ADS best suits my application needs?
- How reliable is the ADS?
- How efficient is the ADS?
- Do I need on/off reliability?
- Is the pump and or ADS ATEX approved?
- Does the ADS have anti-freezing technology?
- Does the ADS have integrated variable performance controls?

INSTALLATION

- Before installation, please read the caution section of the pump manual
- What are your piping considerations (valves, elbows, pipe friction losses etc)?
- Do you have sufficient air pressure and air volume for the pump?
- What is the MTBR (Mean Time Between Repair) of the AODDP?
- What are your installation parameters (self priming, positive suction head, high vacuum, heat generation, dry run capable, submersible, large solids passage, variable flow & pressure, shear sensitive)?
- Ease of maintenance, is the pump easy to clean, assemble/disassemble?

WETTED MATERIALS

- What media will you be pumping?
- What is the chemical compatibility of the elastomer?
- What are the temperature limits of the wetted material and elastomer?
- How abrasive is the media being pumped?
- Do diaphragm configurations affect flow?

DISTRIBUTORS

- Is your distributor local?
- Can the distributor fully support my fluid transfer needs?
- Are they a full-stocking, full service distributor?
- How good is delivery? Is it less than 3 weeks?
- Is the distributor formally educated in specifying and maintaining your system?
- How are the services and repair capabilities of the distributor?
- Does the distributor do local training for your staff?
- How responsive is the distributor to your needs?

RESOURCES

- www.wildenpump.com
- Locating your Authorized Wilden Distributor: www.wildendistributor.com
- Everything you need to know about a Wilden pump: Pump Users Guide II (Consult the factory or your Wilden Distributor)
- Engineering & Operations Manuals: www.wildenpump.com in the Tech Info section (Search Tech Info)
- Cavitation and Friction Guide & Safety Supplement: www.wildenpump.com in the Tech Info section (Search Tech Info)
- Electronic Chemical Guide & Conversion Calculator: www.wildenpump.com in the Tech Info section (Tech Tools)

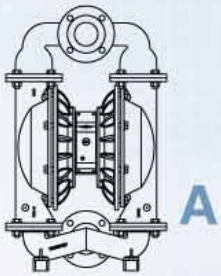
WILDEN TECHNICAL SUPPORT

Hours of operation: 8:00am – 5:00pm (PST)
Ph. 1-909-422-1730
Email: techsupport@wildenpump.com

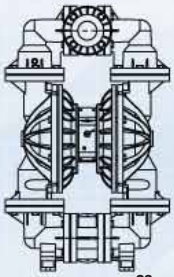
METAL TECHNICAL SPECS

SIZING CONSIDERATIONS

	MODELS	WETTED MATERIALS	LIQUID INLET	LIQUID DISCHARGE	CONNECTION TYPE: BSPT/NPT	CONNECTION TYPE: DIN/ANSI	ORIENTATION	HEIGHT	WIDTH	DEPTH
PRO-FLO X™	**PX200**	Aluminum, Ductile Iron, Stainless Steel	25 mm (1")	25 mm (1")	•	–	F	340 mm (13.4")	378 mm (14.7")	244 mm (9.6")
	PX400	Aluminum	38 mm (1-1/2")	38 mm (1-1/2")	–	•	B	594 mm (23.4")	343 mm (13.5")	310 mm (12.2")
	PX400	Stainless Steel, Alloy C	38 mm (1-1/2")	38 mm (1-1/2")	–	•	D	528 mm (20.8")	384 mm (15.1")	310 mm (12.2")
	PX800	Aluminum, Stainless Steel , Alloy C	51 mm (2")	51 mm (2")	–	•	A	760 mm (29.9")	439 mm (17.3")	340 mm (13.4")
	PX1500	Aluminum	76 mm (3")	76 mm (3")	–	•	B	1031 mm (40.6")	615 mm (24.2")	422 mm (16.6")
	PX1500	Stainless Steel, Alloy C	76 mm (3")	76 mm (3")	–	•	A	894 mm (35.2")	541 mm (21.3")	597 mm (23.5")
PRO-FLO V™	**PV810**	Aluminum, Ductile Iron	51 mm (2")	51 mm (2″)	–	–	F	504 mm (20.0")	554 mm (21.8")	386 mm (15.1")
	PV1510	Aluminum, Ductile Iron	76 mm (3")	76 mm (3″)	–	–	F	754 mm (29.7")	874 mm (34.4")	427 mm (16.8")



A



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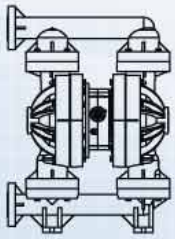


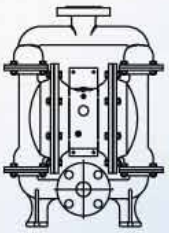
C

PERFORMANCE

		MAX. SUCTION LIFT				MAX. FLOW	
		RUBBER/TPE		PTFE			
MAX. DISCHARGE PRESSURE	MAX. SOLIDS PASSAGE	DRY	WET	DRY	WET	RUBBER/ TPE	PTFE
8.6 Bar (125 psig)	6.4 mm (1/4")	89 m (19.3')	9.0 m (20.5')	4.3 m (14.2')	9.0 m (20.5')	212 lpm (56.0 gpm)	185.4 lpm (49.0 gpm)
8.6 Bar (125 psig)	7.9 mm (5/16")	6.3 m (20.5')	9.0 m (29.5')	3.5 m (11.4')	9.0 m (29.5')	424 lpm (112 gpm)	338 lpm (89 gpm)
8.6 Bar (125 psig)	4.8 mm (3/16")	6.9 m (22.7')	9.3 m (30.6')	4.0 m (13.1')	9.2 m (30.1')	347 lpm (92 gpm)	327 lpm (87 gpm)
8.6 Bar (125 psig)	6.4 mm (1/4")	7.4 m (24.4')	9.3 m (30.6')	4.5 m (14.8')	8.7 m (28.4')	712 lpm (188 gpm)	617 lpm (163 gpm)
8.6 Bar (125 psig)	12.7 mm (1/2")	6.6 m (21.6')	8.8 m (28.9')	4.4 m (14.5')	7.8 m (25.5')	1021 lpm (270 gpm)	765 lpm (202 gpm)
8.6 Bar (125 psig)	9.5 mm (3/8")	6.7 m (22.0')	9.5 m (31.2')	4.8 m (15.9')	9.5 m (31.2')	918 lpm (243 gpm)	727 lpm (192 gpm)
8.6 Bar (125 psig)	51 mm (2")	7.6 m (25.0')	9.3 m (30.6')	–	–	655 lpm (173 gpm)	–
8.6 Bar (125 psig)	76 mm (3")	9.2 m (30.1')	9.3 m (30.6')	–	–	996 lpm (263 gpm)	–

PRO-FLO X™

PRO-FLO V™



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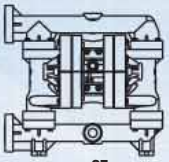

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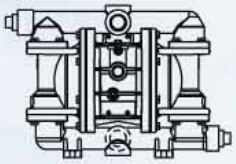


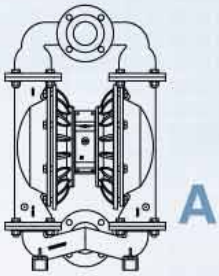
F

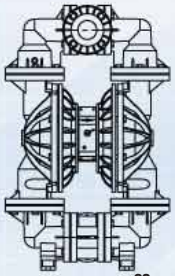
METAL TECHNICAL SPECS

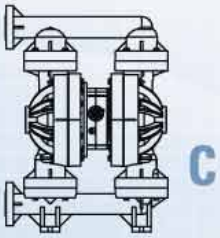
SIZING CONSIDERATIONS

	MODELS	WETTED MATERIALS	LIQUID INLET	LIQUID DISCHARGE	CONNECTION TYPE: BSPT/NPT	CONNECTION TYPE: DIN/ANSI	ORIENTATION	HEIGHT	WIDTH	DEPTH
PRO-FLO®	**P200**	Aluminum, Ductile Iron, Stainless Steel	25 mm (1")	25 mm (1")	•	–	F	343 mm (13.5")	378 mm (14.9")	229 mm (9.0")
	P400	Aluminum	38 mm (1-1/2")	38 mm (1-1/2")	–	•	B	594 mm (23.4")	343 mm (13.5")	340 mm (13.4")
	P400	Stainless Steel	38 mm (1-1/2")	38 mm (1-1/2")	–	•	D	528 mm (20.8")	384 mm (15.1")	294 mm (11.6")
	P800	Aluminum, Stainless Steel	51 mm (2")	51 mm (2")	–	•	A	760 mm (29.9")	439 mm (17.3")	325 mm (12.8")
HIGH PRESSURE	**H25**	Aluminum	13 mm (1/2")	6 mm (1/4")	•	–	N/A	236 mm (9.3")	188 mm (7.4")	183 mm (7.2")
	H38	Aluminum, Steel	10 mm (3/8")	10 mm (3/8")	*	–	N/A	218 mm (8.6")	356 mm (14.0")	300 mm (11.8")
	H200	Ductile Iron	25 mm (1")	25 mm (1")	•	–	A	343 mm (13.5")	450 mm (17.7")	305 mm (12.0")
	H400S	Aluminum	38 mm (1-1/2")	38 mm (1-1/2")	–	•	B	605 mm (23.8")	345 mm (13.6")	310 mm (12.2")
	H400S	Stainless Steel	38 mm (1-1/2")	38 mm (1-1/2")	–	•	D	528 mm (20.8")	384 mm (15.1")	310 mm (12.2")
	H800	Ductile Iron, Stainless Steel	51 mm (2")	51 mm (2")	–	•	A	759 mm (29.9")	490 mm (19.3")	546 mm (21.5")

** Inlet and discharge tube fitting is 37° flare.* *** Piston pump design - no diaphragms.*







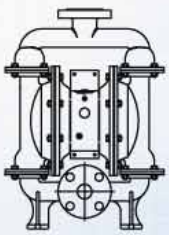
PERFORMANCE

		MAX. SUCTION LIFT				MAX. FLOW	
		RUBBER/TPE		PTFE			
MAX. DISCHARGE PRESSURE	MAX. SOLIDS PASSAGE	DRY	WET	DRY	WET	RUBBER/ TPE	PTFE
8.6 Bar (125 psig)	6.4 mm (1/4")	5.4 m (17.6')	9.3 m (30.6')	3.5 m (11.4')	9.3 m (30.6')	212 lpm (56 gpm)	168 lpm (44 gpm)
8.6 Bar (125 psig)	7.9 mm (5/16")	4.2 m (13.6')	8.9 m (29.5')	3.4 m (11.3')	9.0 m (29.5')	409 lpm (108 gpm)	329 lpm (87 gpm)
8.6 Bar (125 psig)	4.8 mm (3/16")	5.8 m (19.0')	8.8 m (29.0')	3.7 m (12.0')	8.5 m (28.0')	307 lpm (81 gpm)	295 lpm (78 gpm)
8.6 Bar (125 psig)	6.4 mm (1/4")	7.0 m (23.0')	9.5 m (31.0')	4.6 m (15.0')	9.5 m (31.0')	591 lpm (156 gpm)	496 lpm (131 gpm)

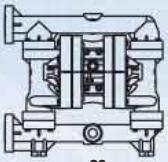
PRO-FLO®

110.3 Bar (1600 psig)	Clear Fluids Only	** 7.8 m (25.5')	** 9.2 m (30.1')	–	–	** 4.1 lpm (1.1 gpm)	–
220.6 Bar (3200 psig)	Clear Fluids Only	** 7.1 m (23.2')	** 8.8 m (28.9')	–	–	** 7.6 lpm (2.0 gpm)	–
20.7 Bar (300 psig)	6.4 mm (1/4")	2.7 m (9.1')	9.0 m (29.5')	–	–	93.9 lpm (24.8 gpm)	–
17.2 Bar (250 psig)	8.0 mm (5/16")	3.1 m (10.1')	9.3 m (30.6')	–	–	242 lpm (64 gpm)	–
17.2 Bar (250 psig)	4.8 mm (3/16")	3.1 m (10.1')	9.0 m (29.5')	–	–	186 lpm (49 gpm)	–
17.2 Bar (250 psig)	12.7 mm (1/2")	3.7 m (12.0')	9.0 m (29.5')	–	–	360 lpm (95 gpm)	–

HIGH PRESSURE



D



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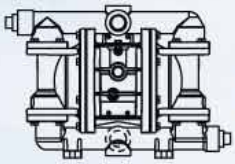
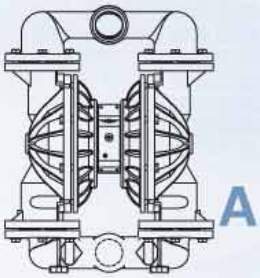


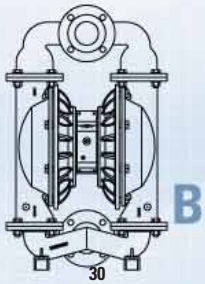
F

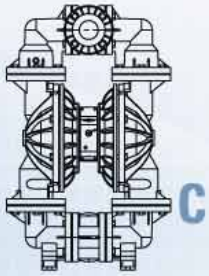
PLASTIC TECHNICAL SPECS

SIZING CONSIDERATIONS

	MODELS	WETTED MATERIALS	LIQUID INLET	LIQUID DISCHARGE	CONNECTION TYPE: BSPT/NPT	CONNECTION TYPE: DIN/ANSI	ORIENTATION	HEIGHT	WIDTH	DEPTH
PRO-FLO®	**P25**	Polypropylene, PVDF	6 mm (1/4")	6 mm (1/4")	•	–	F	173 mm (6.8")	173 mm (6.8")	127 mm (5.0")
	P38	Polypropylene, PVDF	10 mm (3/8")	10 mm (3/8")	•	–	F	196 mm (7.7")	180 mm (7.1")	127 mm (5.0")
	P100	Polypropylene, PVDF	13 mm (1/2")	13 mm (1/2")	•	–	F	277 mm (10.9")	234 mm (9.2")	201 mm (7.9")
	P200	Polypropylene, PVDF	25 mm (1")	25 mm (1")	–	•	F	434 mm (17.1")	457 mm (18.0")	231 mm (9.1")
	P400	Polypropylene, PVDF	38 mm (1-1/2")	38 mm (1-1/2")	–	•	D	668 mm (26.3")	478 mm (18.8")	300 mm (11.8")
	P800	Polypropylene, PVDF	51 mm (2")	51 mm (2")	–	•	D	804 mm (31.7")	604 mm (23.8")	353 mm (13.9")
	P800 (drop-in)	Polypropylene, PVDF	51 mm (2")	51 mm (2")	–	•	A	765 mm (30.1")	584 mm (23.0")	508 mm (20.0")
	P1500	Polypropylene, PVDF	76 mm (3")	76 mm (3")	–	•	C	1280 mm (50.4")	914 mm (36.0")	584 mm (23.0")
PRO-FLO X™	**PX400**	Polypropylene, PVDF	38 mm (1-1/2")	38 mm (1-1/2")	–	•	D	668 mm (26.3")	478 mm (18.8")	315 mm (12.4")
	PX800	Polypropylene, PVDF	51 mm (2")	51 mm (2")	–	•	D	804 mm (31.7")	604 mm (23.8")	356 mm (14.0")

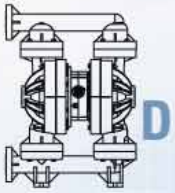


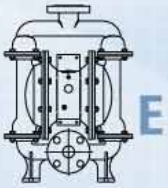


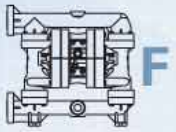


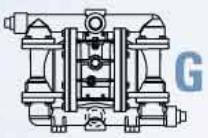
PERFORMANCE

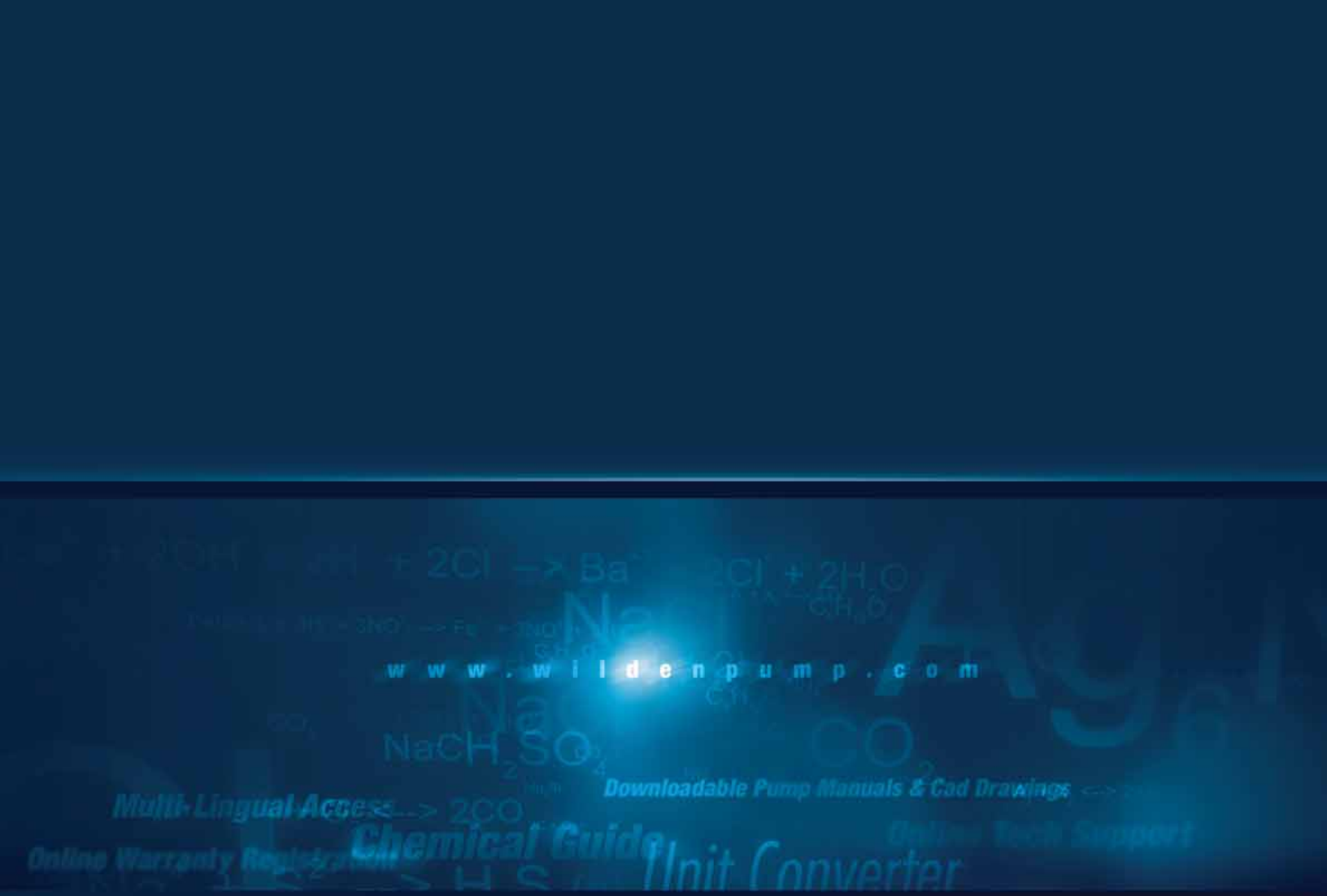
MAX. DISCHARGE PRESSURE	MAX. SOLIDS PASSAGE	MAX. SUCTION LIFT				MAX. FLOW		
		RUBBER/TPE		PTFE				
		DRY	WET	DRY	WET	RUBBER/ TPE	PTFE	
8.6 Bar (125 psig)	0.7 mm (1/32")	–	–	1.9 m (6.2')	9.3 m (30.6')	–	16.7 lpm (4.4 gpm)	PRO-FLO®
8.6 Bar (125 psig)	1.6 mm (1/16")	–	–	2.8 m (9.1')	9.3 m (30.6')	–	25.4 lpm (6.7 gpm)	
8.6 Bar (125 psig)	1.6 mm (1/16")	5.2 m (17.0')	8.7 m (28.4')	4.5 m (14.7')	9.3 m (30.6')	58.7 lpm (15.5 gpm)	57.0 lpm (15.0 gpm)	
8.6 Bar (125 psig)	4.8 mm (3/16")	3.6 m (11.9')	9.8 m (32.0')	2.4 m (7.9')	9.4 m (31.0')	220 lpm (58 gpm)	174 lpm (46 gpm)	
8.6 Bar (125 psig)	6.4 mm (1/4")	5.5 m (18.2')	9.3 m (30.6')	3.3 m (10.8')	9.7 m (31.8')	454 lpm (120 gpm)	318 lpm (84 gpm)	
8.6 Bar (125 psig)	6.4 mm (1/4")	6.2 m (20.4')	8.7 m (28.4')	4.2 m (13.6')	8.7 m (28.4')	624 lpm (165 gpm)	504 lpm (133 gpm)	
8.6 Bar (125 psig)	6.4 mm (1/4")	6.2 m (20.4')	8.7 m (28.4')	4.2 m (13.6')	8.7 m (28.4')	624 lpm (165 gpm)	504 lpm (133 gpm)	
8.6 Bar (125 psig)	12.7 mm (1/2")	6.2 m (20.4')	–	3.6 m (12.0')	8.6 m (28.0')	–	784 lpm (207 gpm)	
8.6 Bar (125 psig)	6.4 mm (1/4")	5.5 m (18.2')	9.3 m (30.6')	3.6 m (11.9')	7.6 m (25.0')	450 lpm (119 gpm)	329 lpm (87 gpm)	PRO-FLO X™
8.6 Bar (125 psig)	6.4 mm (1/4")	6.1 m (19.9')	9.0 m (29.5')	4.5 m (14.8')	7.2 m (23.8')	693 lpm (183 gpm)	579 lpm (153 gpm)	











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22069 Van Buren Street, Grand Terrace, CA 92313-5607
Telephone 909-422-1730 • Fax 909-783-3440
wilden@wildenpump.com

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