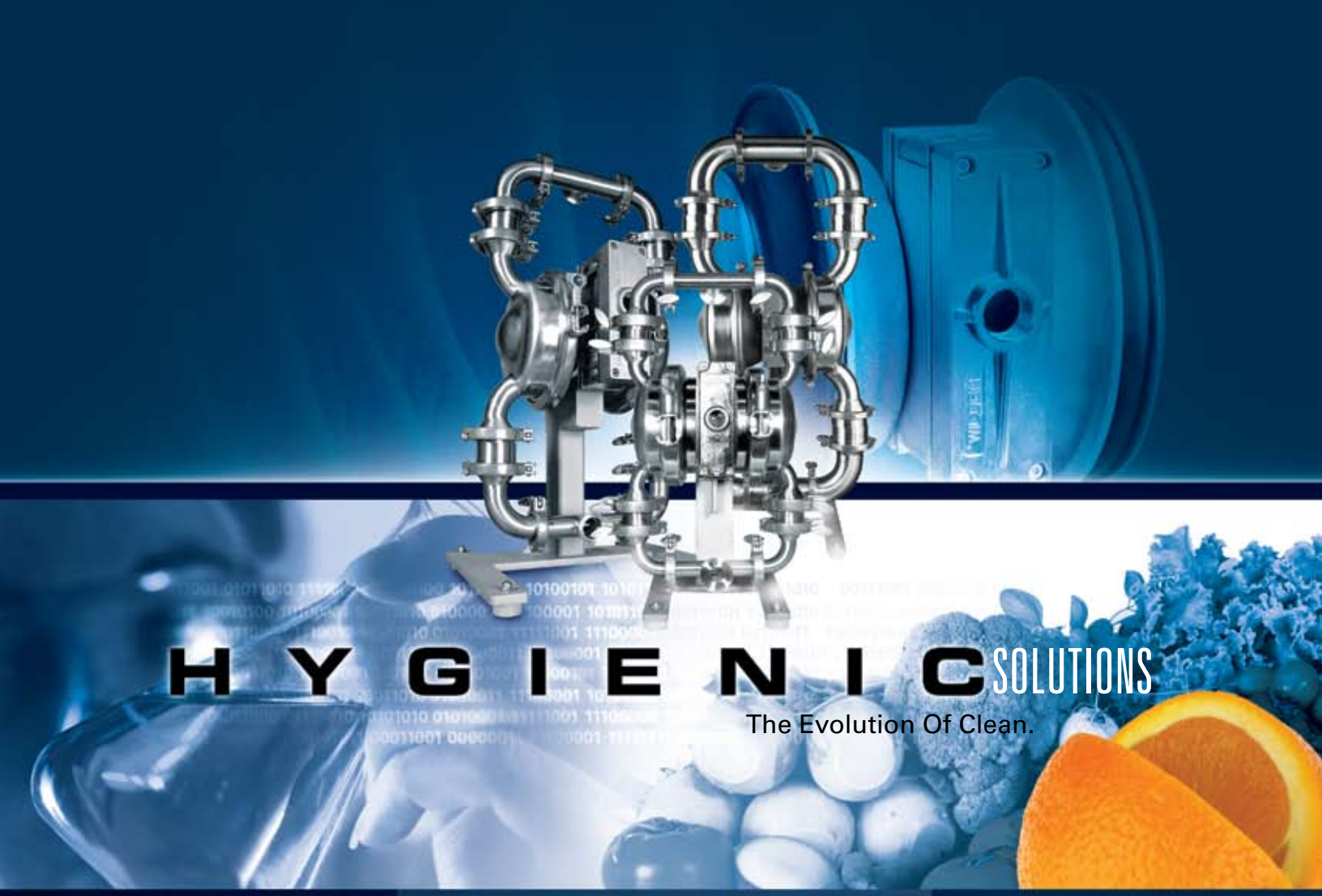


HYGIENIC SOLUTIONS

The Evolution Of Clean.

WILDEN®

A DOVER COMPANY

WIL-12011-C-06

Saniflo™ SOLUTIONS


Prepared Foods


Sauces


Confectionary


Fruits & Vegetables


Beverages


Dairy


Meat


Poultry

Wilden is a global leader in hygienic and bio-pharmaceutical pumps and offers a wide range of solutions for various food, beverage, dairy, personal care and biopharmaceutical applications. Wilden's Saniflo™ and Hygienic™ series pumps have been engineered to the meet the highest standards and requirements in the industry including: EHEDG, 3A, CE, ATEX, USP Class VI, and FDA CFR 21.177.

Wilden's premiere hygienic and bio-pharmaceutical pumps have the versatility you require, the safety you need, and the capability of efficiently pumping a wide range of viscosities, solids, and shear sensitive products. These pumps are offered with passivated stainless steel components, available in multiple sizes, and with various surface finishes. As the global leader in AODD pumps we are committed to your industry. Wilden understands that safety, performance, hygienic requirements and the gentle transfer of your products are essential when choosing process equipment.

WILDEN, the Evolution of Clean

SANIFLO™ SERIES & HYGEINIC™ SERIES SOLUTIONS

USP class VI	Ex	FDA	CERTIFIED EHEDG TYPE EL	3A 44-03	CE

UNIQUE CHARACTERISTICS	DIFFICULT APPLICATIONS
Air operated pumps (non electrical)	Sauces, Purees & Beverages
Superior product containment	Poultry, Fish & Meat process
Bolted & Clamped liquid paths	Fruits, Vegetables & Condiments
Self priming/ dry priming	Ingredient receiving /unloading
No damage when run dry	Batch/load cell metering
Deadhead without damage	Pharmaceutical products
Variable flow & pressure	Health & Personal care products
High viscosity	Chromatography, Separation, Purification
Intrinsically safe by design	High Purity product transfer
Lube-free operation	Filter press feed pumps
Shear sensitive product handling	Acids, Solvents, Caustics & Alcohols
Large solids passage	Abrasive media & Solids
Low water requirements	Chemical injections & Metering
Low product degradation	Waste water transfer
Ease of operation and maintenance	CIP, SIP, COP


Fish


Bio-Pharmaceutical

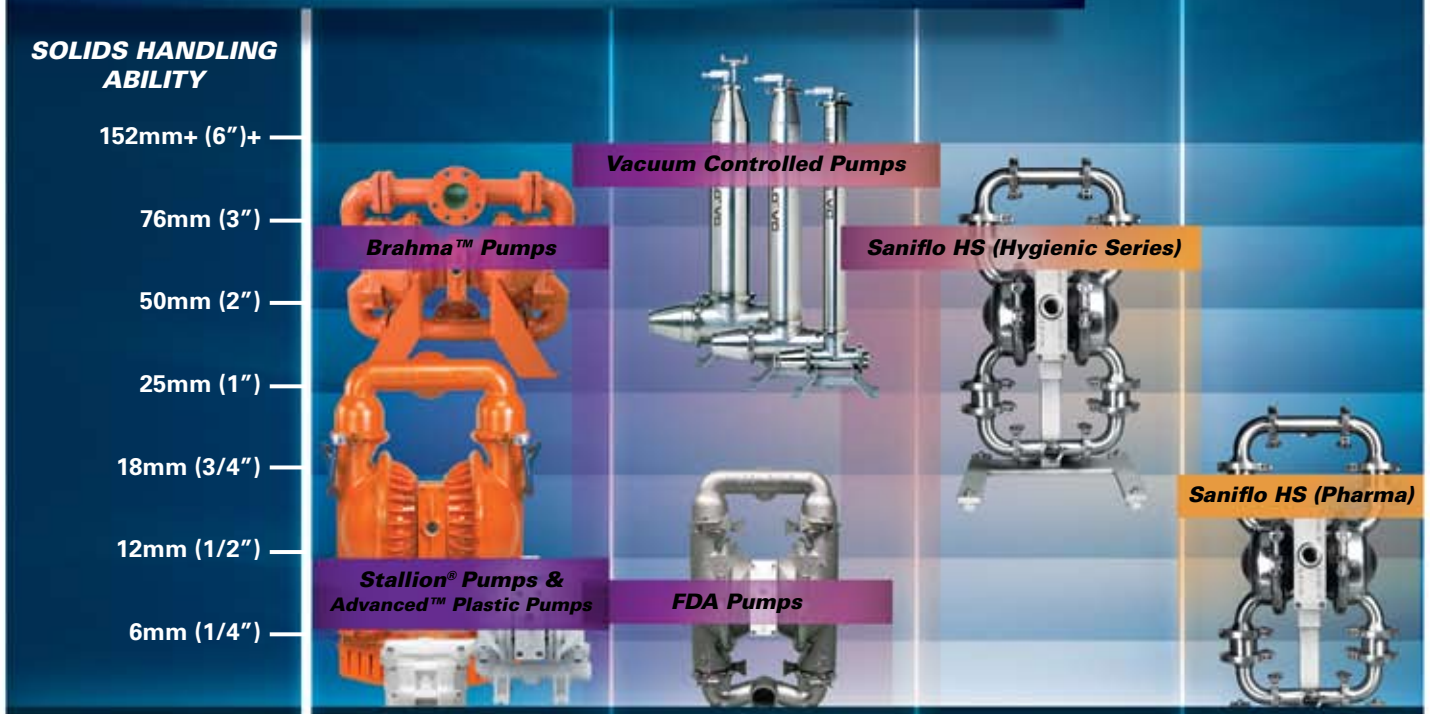

Pharmaceutical


Cosmetics


Process Support


Waste

PUMP SELECTION GUIDE FOR SANITARY APPLICATIONS



SANITARY APPLICATION RANGE (cleaning method)	Non sanitary, waste, crude and CIP chemicals (includes disposable technology)	High acid, high sugar, high fat food (COP)	Low acid, pasteurized and protein based products (COP/CIP)	Bio-Pharmaceutical sterile processes (COP, CIP/SIP)
PRODUCT EXAMPLES	*Process Waste, CIP Chemicals, Utilities*	*Sweeteners, icings, juices, fruit ingredients, some sauces*	*Milk, meat, egg, vegetable based products, personal care products*	*Active pharmaceutical ingredients, cosmetic, live cultures*
CERTIFICATIONS		FDA	CERTIFIED EHEDG, 3-A 44-03	USP class VI
POLISH LEVELS µ-m (µ-inch) Ra		*Ra 1.3 µm (125 µ-in)*	*Ra 0.8 µm (32 µ-in)*	*Ra 0.4 µm (15 µ-in)*

NOTES: Application requirements can vary depending on viscosity and operational parameters.

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 and efficiency 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

- 13 mm (1/2")
- 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

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

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

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

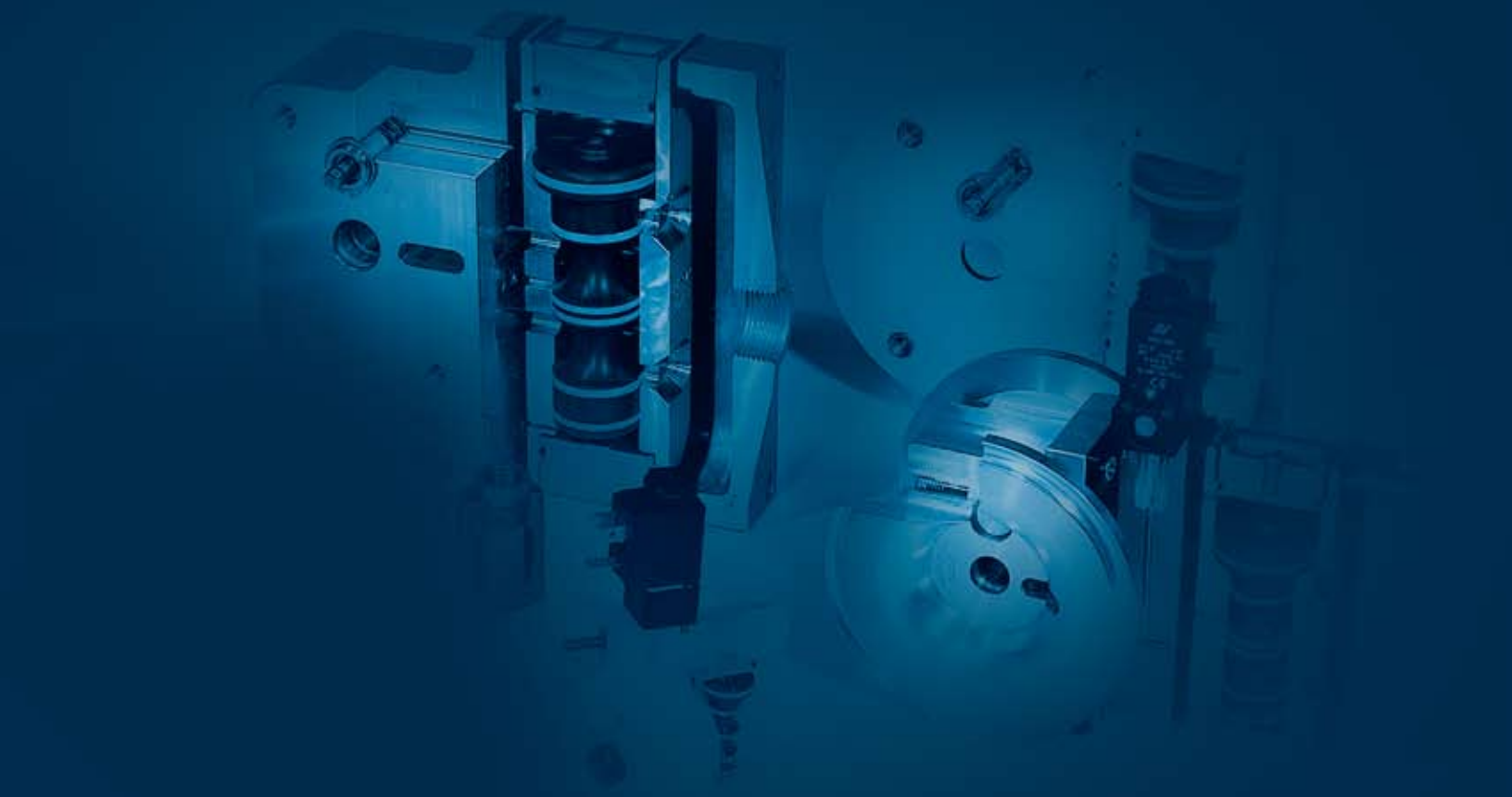
ACCU-FLO™
SOLENOID PUMP TECHNOLOGY

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

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

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

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



Progressive DIAPHRAGM TECHNOLOGY

THERMOPLASTIC ELASTOMER (TPE)

- **WIL-FLEX™ [1]:** Made of Santoprene®, this diaphragm is available in FDA compliant version and 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. Wil-flex exhibits excellent abrasion resistance and durability at a cost comparable to neoprene.

- **SANIFLEX™ [1]:** Made of Hytrel™, this FDA compliant diaphragm exhibits excellent abrasion resistance, flex life and durability. This material is designed for food processing applications and is an outstanding general purpose diaphragm as well.

- **POLYURETHANE [2]:** An excellent general purpose non-food grade diaphragm for use in non-aggressive applications. This material exhibits exceptional flex life and durability. Wilden's most economical diaphragm.

PTFE ELASTOMERS

- **PTFE:** Both FDA and USP Class VI compliant, PTFE is an 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 and PTFE laminate diaphragms that offer superior product containment. The smooth contoured shape makes this diaphragm an excellent choice for sanitary, ultra pure, or CIP 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 [1]:** Buna-N (FDA), EPDM (FDA), Viton, Neoprene®

DIAPHRAGM CONSIDERATIONS

FLEX LIFE	CHEMICAL RESISTANCE	TEMPERATURE LIMITATIONS	ABRASION RESISTANCE	INITIAL COST

RUBBER ELASTOMERS

- **BUNA-N[1]:** Excellent for applications involving basic food products and those containing fat and oil.
- **EPDM/NORDEL[1]:** Excellent for use in applications requiring extremely cold temperatures. EPDM may also be used as a low cost alternative for pumping dilute acids or caustics.
- **VITON®[2]:** Is excellent for use in applications requiring high temperatures. Viton may also be used in aggressive fluids such as aromatic or chlorinated hydrocarbons and acids. PTFE would normally be used with these aggressive fluids however, in applications involving suction lift outside the range of PTFE, Viton® will be the preferred choice.
- **NEOPRENE[2]:** It is 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.

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/NORDEL:	-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) for constant use
PTFE:	Up to 130°C	(250°F) for temporary CIP and SIP exposure

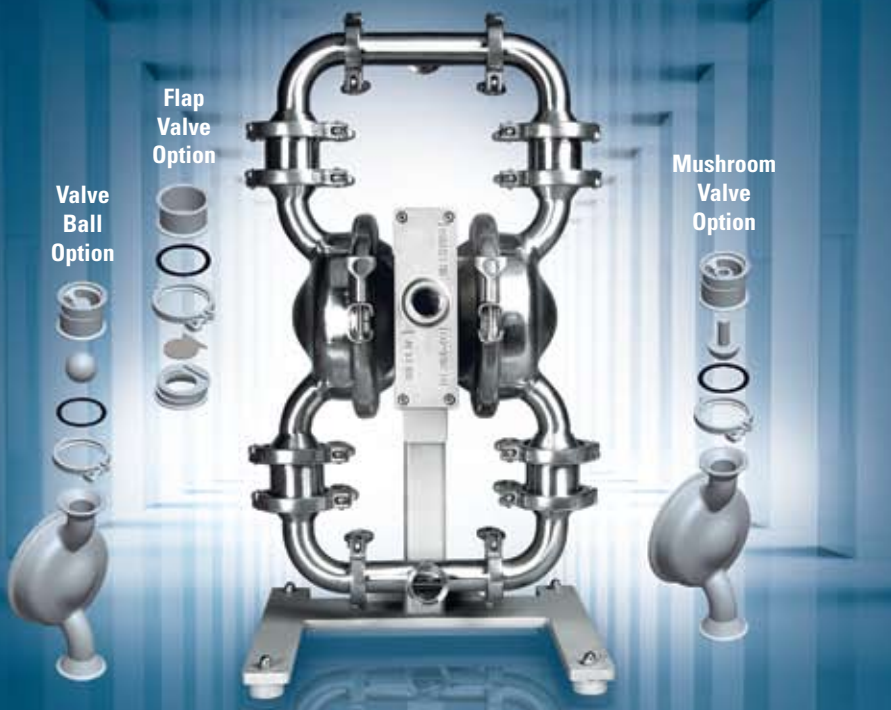
Please verify the chemical resistance capabilities and temperature limitations of elastomers and all other pump components prior to pump installation. Wilden publication PUG II (Pump Users Guide II) and the Online Chemical guide should be consulted for specifics.

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

[1] Consult factory if the specific part number uses FDA compliant materials if required.
[2] Not available in food grade (FDA) version.

HS HYGIENIC SERIES SANIFLO

THE EVOLUTION OF CLEAN



USP Class VI

FDA

3-A 44-03

CERTIFIED EHEDG TYPE EL

CE

FEATURES

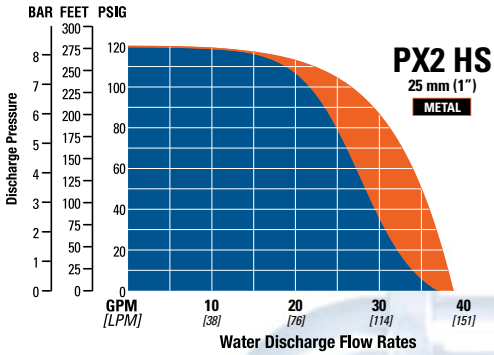
- Pro-Flo X™ ADS
- Sanitary & hygienic applications
- Delicate / shear sensitive product handling
- Integral piston diaphragm options
- Multiple sanitary elastomers available
- Superior product containment
- Swivel stand available
- CIP (clean in place)
- Multiple certification levels available
- Certifications: EHEDG, 3-A, ATEX, CE, USP Class VI, FDA
- Offset valve housing for easy alignment

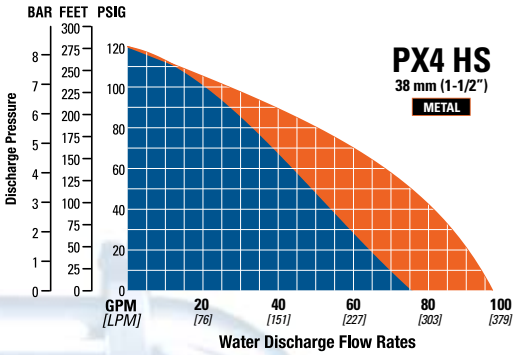
TECH DATA

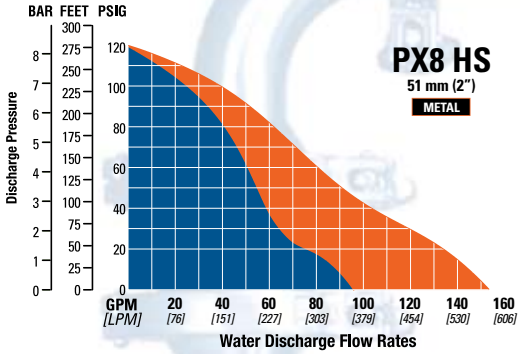
- Sizes available 25 mm (1″) through 76 mm (3″)
- 316L stainless steel wetted components
- Contact surfaces with Ra 0.8 µm (32 µ-in)
- Valve options available: ball, mushroom, flap
- Tri-clamp™ style connections

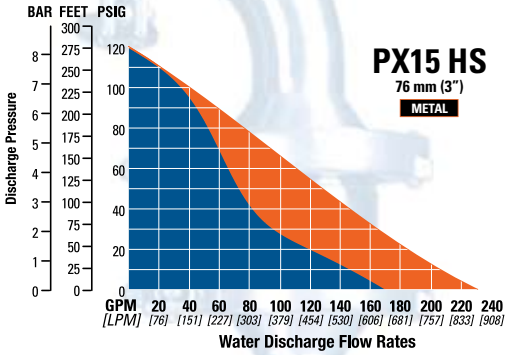
PERFORMANCE DATA

- Max flow rates 874 lpm (231 gpm) [Valve Ball]
- Max suction lift 5.5 m (19.2′) dry, 9.3 m (30.6′) wet [Valve Ball]
- Max size solids 76 mm (3″) [Flap Valves] (not available in 25 mm (1″) models)









with PTFE Diaphragm
with Rubber Diaphragm

FDA SANITARY PUMPS

SANIFLO

THE EVOLUTION OF CLEAN

FEATURES

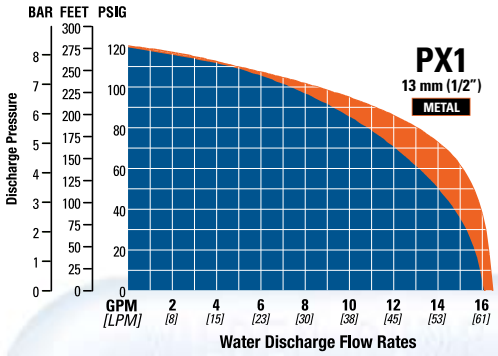
- Pro-Flo®, Pro-Flo X™ and Accu-Flo™ ADS available
- For sanitary applications
- Multiple sanitary FDA elastomers available
- Shear sensitive
- Intrinsically safe options
- Certifications: FDA, CE, ATEX

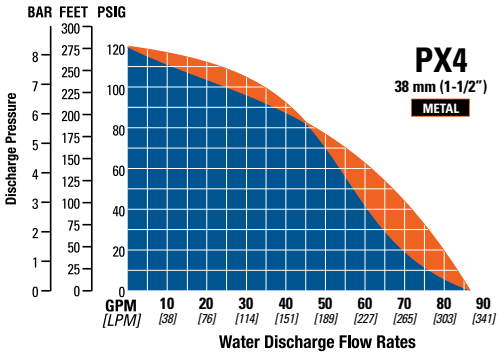
TECH DATA

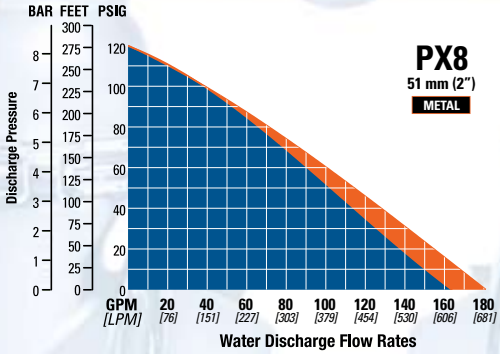
- Sizes available: 13 mm (1/2″) through 76 mm (3″)
- 316 stainless steel wetted components
- Tri-clamp™ style connections

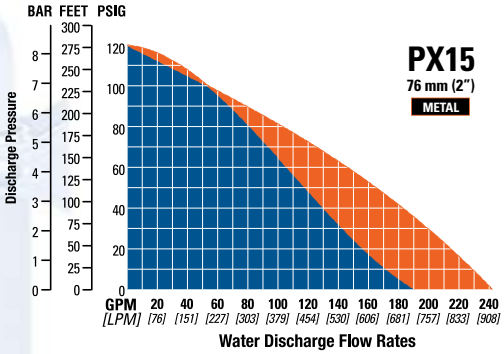
PERFORMANCE DATA

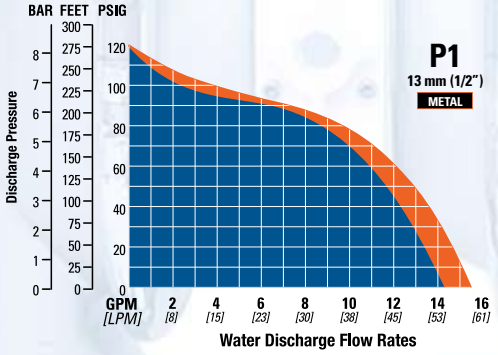
- Max flow rates: 920 lpm (243 gpm)
- Max suction Lift: 7.6 m (25.0′) Dry, 9.5 m (31.2′) Wet
- Max size solids: 9.5 mm (3/8″)

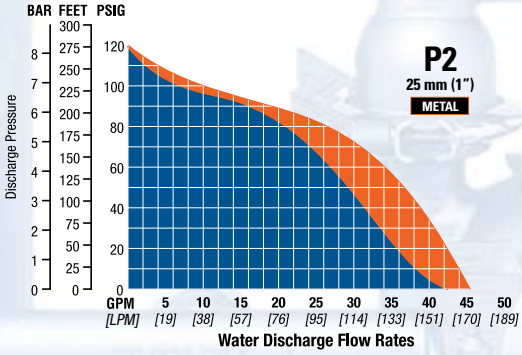


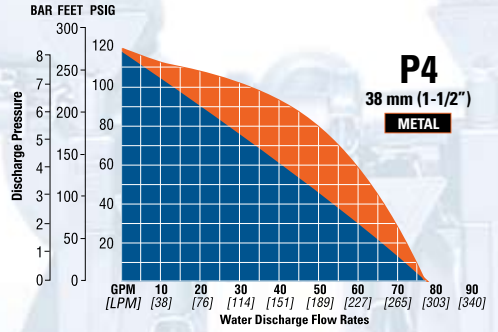


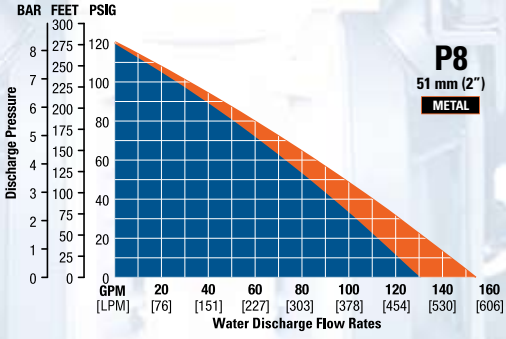












with PTFE Diaphragm
with Rubber Diaphragm

Saniflo™ VC | VACUUM CONTROLLED PUMP

FEATURES
- Only 2 moving parts (flap valves)
- Designed for sanitary applications
- Dry run capability
- Variable pressure & flow
- Large solid transfer
- Low water requirement
- Delicate/Shear sensitive product handling
- Easy to inspect & clean
- Certifications: FDA

TECH DATA
- 304 stainless steel construction
- Sizes available: 102 mm (4”), 152 mm (6”), 203 mm (8”)

PERFORMANCE DATA
- Max flow rates: 10,000 lbs/hr
- Max size solids: 152 mm (6”)

FDA

Saniflo™ DUS | DRUM UNLOADER

FEATURES
- Designed for viscous fluids up to (70,000+ cps)
- PX8 HS or PX4 FDA pump
- Stainless steel construction
- Sanitary elastomers
- Pneumatically operated
- Accurate drum alignment
- Variable operating pressure
- Intrinsically safe operation
- Emergency off and reset safety controls

BENEFITS
- Unloads 200kg (55 gal) in minutes
- Complete drum utilization
- Prolonged reliability
- Low operation cost
- Self priming
- FDA CFR 21 compliant
- Trouble-free operation
- Increased recovery rates, yields, profits

FDA

Hygienic™ ACCESSORIES

SURGE DAMPENER

FEATURES & BENEFITS
- FDA CFR 21.177
- USP Class VI
- ATEX II 2 GD X
- EHEDG certified to doc. 2 & doc.8 when properly configured and installed
- CIP capable
- Large solids capacity
- Liquid chamber designed for superior delicate product handling, drain-ability and diaphragm life
- Surface finish of Ra 0.8 µm (32 µ-in) or better for optimum clean-ability
- Minimize pressure fluctuation
- Prevent water hammer and associated damage
- Self-adjusting to varying system pressures
- Lower system maintenance cost
- Suction stabilizer
- Extend and improve pump performance
- Minimize spare parts inventory

AIR DISTRIBUTION SYSTEM
- 316 Stainless Steel
- Aluminum
- Polypropylene
- Glass filled Polypropylene
- Mild Steel PTFE Coated

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

CONNECTION TYPE
- Tri-Clamp
- NPT / BSPT
- ANSI Flange

WETTED HOUSING
- 316L stainless steel wetted material
- Aluminum
- Ductile Iron
- Polypropylene
- PVDF

ELECTRONIC ACCESSORIES

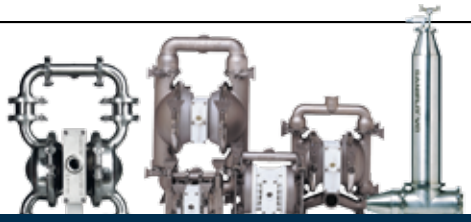
LEAK DETECTION
- Detects diaphragm failure at the source: The PTFE primary diaphragm
- Sensors are located between the primary and back-up (containment) diaphragms
- When the sensors detect a conductive liquid, an audible alarm, LED, and an internal latching relay are activated
- Increase containment, 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") and 13mm (1/2") pumps
- Fits 51 mm (2") NPT bungholes
- Tube length can be cut to length
- Variety of materials are available

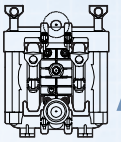
METAL TECHNICAL SPECS



SIZING CONSIDERATIONS

	MODELS	WETTED MATERIALS	LIQUID INLET	LIQUID DISCHARGE	CONNECTION TYPE: TRI-CLAMP® STYLE	CONNECTION TYPE: DIN 3267 ISO 1145	CONNECTION TYPE: SMS 1145	ORIENTATION	AIR INLET	HEIGHT	WIDTH	DEPTH
PRO-FLO X™ HYGIENIC SERIES	**PX2 HS**	Stainless Steel	25 mm (1")	25 mm (1")	•	•	•	D	13 mm (1/2") FNPT	587 mm (23.1")	343 mm (13.5")	432 mm (17.0")
	PX2 HS w/swivel	Stainless Steel	25 mm (1")	25 mm (1")	•	•	•	E	13 mm (1/2") FNPT	775 mm (30.5")	401 mm (15.8")	620 mm (24.4")
	PX4 HS	Stainless Steel	38 mm (1-1/2")	38 mm (1-1/2")	•	•	•	D	19 mm (3/4") FNPT	759 mm (29.9")	447 mm (17.6")	559 mm (22.0")
	PX4 HS w/swivel	Stainless Steel	38 mm (1-1/2")	38 mm (1-1/2")	•	•	•	E	19 mm (3/4") FNPT	831 mm (32.7")	447 mm (17.6")	693 mm (27.2")
	PX8 HS	Stainless Steel	51 mm (2")	51 mm (2")	•	•	•	D	19 mm (3/4") FNPT	955 mm (37.6")	460 mm (18.1")	559 mm (22.0")
	PX8 HS w/swivel	Stainless Steel	51 mm (2")	51 mm (2")	•	•	•	E	19 mm (3/4") FNPT	955 mm (37.6")	460 mm (18.1")	693 mm (27.2")
	PX15 HS	Stainless Steel	76 mm (3")	76 mm (3")	•	•	•	D	19 mm (3/4") FNPT	1194 mm (47.0")	602 mm (23.7")	559 mm (22.0")
	PX15 HS w/swivel	Stainless Steel	76 mm (3")	76 mm (3")	•	•	•	E	19 mm (3/4") FNPT	1194 mm (47.0")	602 mm (23.7")	693 mm (27.2")
PRO-FLO X™ FDA	**PX1 FDA**	Stainless Steel	13 mm (1/2")	13 mm (1/2")	•	—	—	A	13 mm (1/2") FNPT	257 mm (10.1")	203 mm (8.0")	386 mm (15.2")
	PX4 FDA	Stainless Steel	51 mm (2")	51 mm (2")	•	—	—	B	19 mm (3/4") FNPT	442 mm (17.4")	396mm (15.6")	531 mm (20.9")
	PX8 FDA	Stainless Steel	64 mm (2-1/2")	64 mm (2-1/2")	•	—	—	C	19 mm (3/4") FNPT	665 mm (26.2")	409 mm (16.1")	551 mm (21.7")
	PX15 FDA	Stainless Steel	76 mm (3")	76 mm (3")	•	—	—	C	19 mm (3/4") FNPT	810 mm (31.9")	521 mm (20.5")	599 mm (23.6")
PRO-FLO™ FDA	**P1 FDA**	Stainless Steel	13 mm (1/2")	13 mm (1/2")	•	—	—	A	6 mm (1/4") FNPT	258 mm (10.2")	204 mm (8.0")	229 mm (9.0")*
	P2 FDA	Stainless Steel	38 mm (1-1/2")	32 mm (1-1/4")	•	—	—	C	6 mm (1/4") FNPT	282 mm (11.1")	254 mm (10.0")	203 mm (8.0")*
	P4 FDA	Stainless Steel	51 mm (2")	51 mm (2")	•	—	—	B	13 mm (1/2") FNPT	442 mm (17.4")	389 mm (15.3")	308 mm (12.1")*
	P8 FDA	Stainless Steel	64 mm (2-1/2")	64 mm (2-1/2")	•	—	—	C	13 mm (1/2") FNPT	665 mm (26.2")	434 mm (17.1")	345 mm (13.6")*
VC	**VC4**	Stainless Steel	76 mm (3")	76 mm (3")	•	—	—	F	10 mm (3/8") FNPT	1377 mm (54.3")	436 mm (17.2")	304 mm (12.0")
	VC6	Stainless Steel	102 mm (4")	102 mm (4")	•	—	—	F	10 mm (3/8") FNPT	1423 mm (56.1")	555 mm (21.9")	304 mm (12.0")
	VC8	Stainless Steel	152 mm (6")	102 mm (4") 152 mm (6")	•	—	—	F	10 mm (3/8") FNPT	1489 mm (58.6")	647 mm (25.5")	304 mm (12.0")

* Dimension does not include muffler ** Using PTFE SIPD diaphragms *** Note: Solids passage is using ball valves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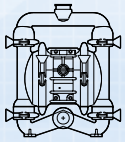
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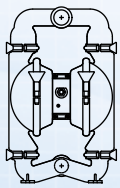
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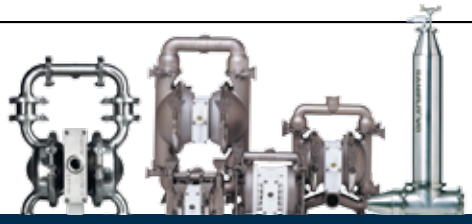

PERFORMANCE

		MAX. SUCTION LIFT					
		RUBBER/TPE		PTFE		MAX. FLOW	
MAX. DISCHARGE PRESSURE	MAX. SOLIDS PASSAGE	DRY	WET	DRY	WET	RUBBER/TPE	PTFE
8.6 Bar (125 psig)	6 mm (1/4")***	4.0 m (13.2')	8.6 m (28.4')	2.6 m (8.4')**	8.6 m (28.4')**	144 lpm (38 gpm)	140 lpm (37 gpm)**
8.6 Bar (125 psig)	6 mm (1/4")***	4.0 m (13.2')	8.6 m (28.4')	2.6 m (8.4')**	8.6 m (28.4')**	144 lpm (38 gpm)	140 lpm (37 gpm)**
8.6 Bar (125 psig)	13 mm (1/2")***	4.5 m (14.8')	9.0 m (29.5')	2.6 m (8.5')**	9.0 m (29.5')**	367 lpm (97 gpm)	307 lpm (81 gpm)**
8.6 Bar (125 psig)	13 mm (1/2")***	4.5 m (14.8')	9.0 m (29.5')	2.6 m (8.5')**	9.0 m (29.5')**	367 lpm (97 gpm)	307 lpm (81 gpm)**
8.6 Bar (125 psig)	13 mm (1/2")***	5.3 m (17.3')	9.0 m (29.5')	2.3 m (7.4')**	9.0 m (29.5')**	579 lpm (153 gpm)	405 lpm (107 gpm)**
8.6 Bar (125 psig)	13 mm (1/2")***	5.3 m (17.3')	9.0 m (29.5')	2.3 m (7.4')**	9.0 m (29.5')**	579 lpm (153 gpm)	405 lpm (107 gpm)**
8.6 Bar (125 psig)	19 mm (3/4")***	5.4 m (17.6')	9.0 m (29.5')	2.3 m (7.7')**	3.8 m (28.9')*	874 lpm (231 gpm)	647 lpm (171 gpm)**
8.6 Bar (125 psig)	19 mm (3/4")***	5.4 m (17.6')	9.0 m (29.5')	2.3 m (7.7')**	3.8 m (28.9')*	874 lpm (231 gpm)	647 lpm (171 gpm)**
8.6 Bar (125 psig)	1.6 mm (1/16")	5.9 m (19.3')	8.0 m (26.1')	4.7 m (15.3')	8.0 m (26.1')	63 lpm (16.5 gpm)	61 lpm (16.1 gpm)
8.6 Bar (125 psig)	5 mm (3/16")	6.9 m (22.7')	9.3 m (30.6')	4.0 m (13.1')	9.2 m (30.1')	327 lpm (87 gpm)	327 lpm (87 gpm)
8.6 Bar (125 psig)	6 mm (1/4")	7.4 m (24.4')	9.3 m (30.6')	4.5 m (14.8')	8.7 m (28.4')	685 lpm (181 gpm)	617 lpm (163 gpm)
8.6 Bar (125 psig)	10 mm (3/8")	6.7 m (22.1')	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)	1.6 mm (1/16")	5.8 m (19.0')	9.5 m (31.0')	4.9 m (16.0')	9.5 m (31.0')	59 lpm (15.5 gpm)	54 lpm (14.4 gpm)
8.6 Bar (125 psig)	3 mm (1/8")	5.8 m (19.0')	8.5 m (28.0')	3.0 m (10.0')	8.5 m (28.0')	170 lpm (45 gpm)	163 lpm (43 gpm)
8.6 Bar (125 psig)	5 mm (3/16")	5.8 m (19.0')	8.0 m (26.0')	3.7 m (12.0')	8.5 m (28.0')	288 lpm (76 gpm)	295 lpm (78 gpm)
8.6 Bar (125 psig)	6 mm (1/4")	7.3 m (24.0')	9.5 m (31.0')	4.6 m (15.0')	9.5 m (31.0)	587 lpm (155 gpm)	496 lpm (131 gpm)
8.6 Bar (125psig)	76 mm (3")	—	—	—	—	—	—
8.6 Bar (125psig)	102 mm (4")	—	—	—	—	—	—
8.6 Bar (125 psig)	102 mm (4") 152 mm (6")	—	—	—	—	—	—

PRO-FLO X™ HYGIENIC SERIES

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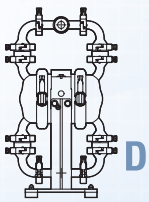
VC



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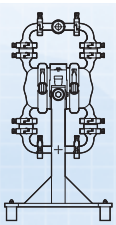

E

F

GENERAL TRANSFER PUMPS

Put over 50 years experience to the test
Waste transfer & sump pumping
Filter press
Pre-process transfer

SPECIFICS

6 mm (1/4") to 102 mm (4") metal and plastic pumps
Variety of materials available
Clamped or bolted construction
Flanged or threaded connections
Submersible models available
High purity pumps of PFA & PTFE construction

CIP AND COP PROCESS PUMPS

Diaphragm or peristaltic technology
Batching pumps and controllers available
Electronic or pneumatic interface
Flocculent dosing for filter presses
Mixing, delivering, dosing & injecting

SPECIFICS

6 mm (1/4") to 102 mm (4") metal and plastic pumps
Variety of materials available
Clamped or bolted construction
Variable speed and pressure
Many voltage options and ratings available

HIGH PRESSURE PUMPS

Filter press feed pump
Viscous product pumping
High head applications
Facilities that have low air supply pressure

SPECIFICS

Simplex and duplex technologies available
Pressures to 20.7 bar (300 psig)
Flows to 359 lpm (95 gpm)
Aluminum and 316 SS wetted materials available
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