

Furon® Chempure Pump

With Pulse Dampener



Features/Benefits

- All wetted parts are virgin PTFE/high-purity PFA
- Double PTFE diaphragm containment
- Quick release base for ease of maintenance
- 100% continuous duty cycle
- Explosion-proof
- Self-priming
- Can be mounted in any orientation
- Patented fiber optic leak detection in the containment area between the diaphragms (optional)
- Optional Programmable Controller available to enable digital stroke counting, leak detection and closed loop operation

Operation

- Fluid flow path is 100% virgin PTFE/high-purity PFA with fully swept internal chamber areas and no exposed metallic parts
- High-purity PFA spring-loaded check valves incorporate a low particle generation design with dry priming capability
- “Quick release base” mounting system allows you to pull a single pin for easy removal of the entire pump

Applications

- Designed for high-purity or corrosive applications where contamination is not desirable and chemical inertness is a must

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Ordering Information

PART NO.	ORIFICE	INLET	A	B	C	D	E	F
CDP050R0-8FL with Pulse Dampener	1/2	1/2	16.73 (424.92mm)	9.75 (247.65mm)	11.58 (294.08mm)	5.25 (133.35mm)	6.00 (152.40mm)	4.00 (101.60mm)
CDP075R0-12FL with Pulse Dampener	3/4	3/4	20.65 (524.51mm)	11.83 (300.48mm)	13.67 (347.17mm)	6.25 (158.75mm)	6.00 (152.40mm)	4.00 (101.60mm)

Standard Options

Other end connections available:

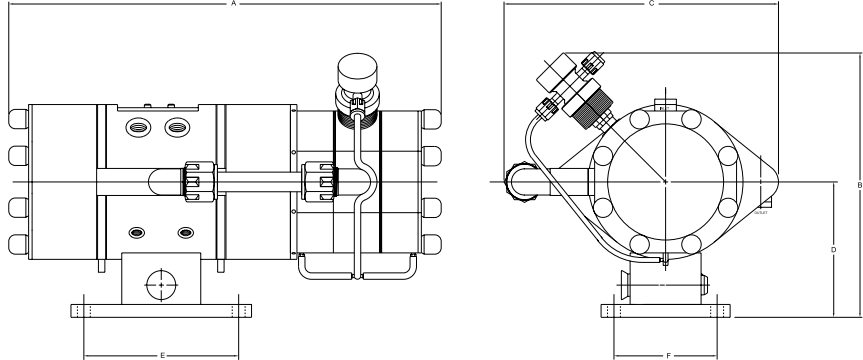
- High-purity PFA – 1/2" or 3/4"
Plain End Fuse Bond
- Flare Grip®*
- FNPT
- Dual or Single Seal Union port connections

Electronic Logic Control

Cycle Counter

Standard Options are readily available with slightly longer lead times.

Please contact your local distributor or factory for part number, price and delivery.



Specifications and Performance

- Maximum Operating Temperature: 203°F (95°C)
- Maximum Discharge Pressure: 100 PSIG (689 kPa)
- Operating Air Pressure: 20 PSIG (138 kPa) to 100 PSIG (689 kPa)
- Mounting position: Any Orientation
- Maximum Discharge Volume:
1/2" — 8 gpm (30 liters/min)
3/4" — 16 gpm (60 liters/min)
- Maximum Discharge Volume per Stroke:
1/2" — 8.6 in³ (140 cc)
3/4" — 23.3 in³ (380 cc)
- Self Priming Efficiency (SG = 1.0):
10 ft. (3.05m)

Notes

Inlet and outlet manifolds rotate 180° for maximum flexibility during installation.

* When selecting either Flare Grip® or Grab Seal™ ends, we recommend end connections that are larger than the valve orifice size in order to achieve full flow.

** Performance data based on water at ambient temperature. Maximum dry suction lift on water 10 feet.

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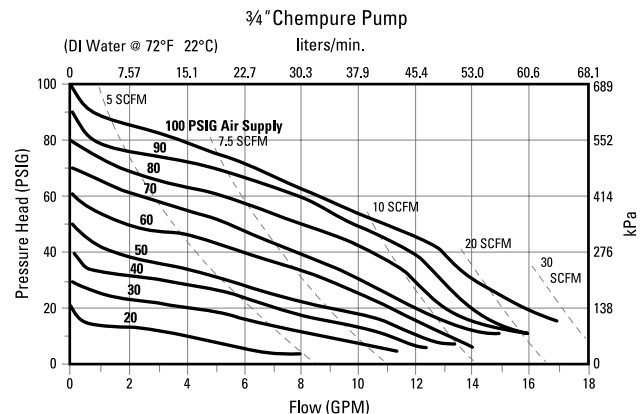
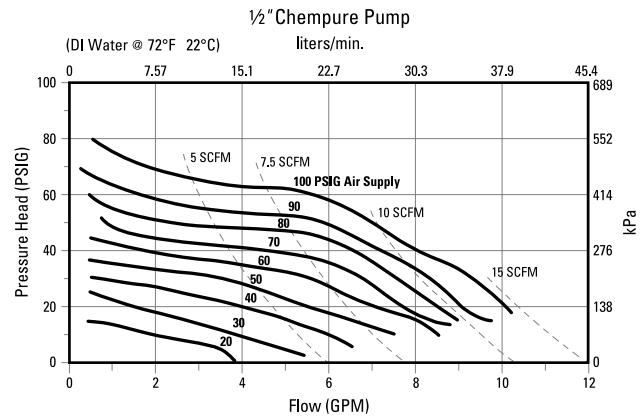
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Inlet Pressure vs. Flow **



Furon® is a registered trademark.
Flare Grip® is a registered trademark.
Grab Seal™ is a trademark.
Chempure™ is a trademark.

12-month **Limited Warranty:** For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in manufacturing. This company's only obligation will be to provide replacement product for any material proven to have such a defect, or at SGPL's option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct, consequential or incidental, arising out of the use, misuse, or inability to use this product. SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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