



FURON®
Pure Performance

Furon® UPRM Pressure Regulator

Manually Actuated (1/4" & 1/2" Orifice)

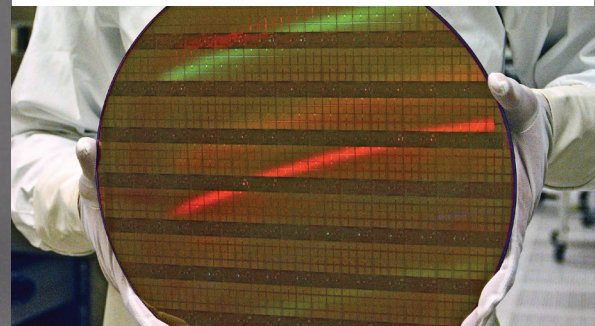
Description

Furon UPRM Pressure Regulators are engineered to accurately maintain predetermined output pressures in fluid lines. By adjusting the pilot air pressure, the end user can control the desired fluid output pressure. Our regulator contains no exposed metallic parts. A modified PTFE isolation diaphragm protects the actuator components from the process media, assuring no possibility of contamination from metal elements. Manual UPRM Pressure Regulators come standard with a panel mount option, allowing easy installation on an instrumentation or control panel.

Constructed from 100% high-purity PFA and PTFE wetted parts, Furon UPRM Pressure Regulators are suitable for use in ultrapure, harsh, or aggressive chemicals commonly found in the Semiconductor industry, or any other applications requiring high purity and/or high chemical resistance.

Applications

- Regulation of pressures in aggressive or ultrapure chemical or DI water lines
- Protecting sensitive instrumentation from pressure spikes
- Preventing foreign particles from being forced through filtration membranes due to unstable pressures



Features and Benefits

- Mechanical design maintains predetermined output pressure
- Handles fluid temperatures up to 194° F (90° C)
- All fluoropolymer wetted surfaces
- Non-metallic external surfaces
- Integral leak port detection
- Panel mount feature standard

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Furon® UPRM Pressure Regulator

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Furon UPRM Pressure Regulator

Part Number	Pressure Regulation Range	End Connection	Orifice (in.)	Port Size (in.)	A (in.)	B (in.)	C (in.)	D (in.)
UPRM-144-30-M	10 - 40 psig (0.7- 2.75 bar)	FNPT	1/4	1/4	3.60 (91.44 mm)	1.38 (35.05 mm)	5.20 (132.08 mm)	2.72 (69.09 mm)
UPRM-244-30-M	10 - 40 psig (0.7- 2.75 bar)	Grab Seal™	1/4	1/4	4.30 (109.2 mm)			
UPRM-744-30-M	10 - 40 psig (0.7- 2.75 bar)	FuseBond™	1/4	1/4	4.90 (124.5 mm)			
UPRM-F44-30-M	10 - 40 psig (0.7- 2.75 bar)	FlareGrip® II	1/4	1/4	4.30 (109.2 mm)			
UPRM-F46-30-M	10 - 40 psig (0.7- 2.75 bar)	FlareGrip® II	1/4	3/8	4.60 (116.8 mm)			
UPRM-144-60-M	15 - 60 psig (1.0- 4.1 bar)	FNPT	1/4	1/4	3.60 (91.44 mm)			
UPRM-244-60-M	15 - 60 psig (1.0- 4.1 bar)	Grab Seal™	1/4	1/4	4.30 (109.2 mm)			
UPRM-744-60-M	15 - 60 psig (1.0- 4.1 bar)	FuseBond™	1/4	1/4	4.90 (124.5 mm)			
UPRM-F44-60-M	15 - 60 psig (1.0- 4.1 bar)	FlareGrip® II	1/4	1/4	4.30 (109.2 mm)			
UPRM-F46-60-M	15 - 60 psig (1.0- 4.1 bar)	FlareGrip® II	1/4	3/8	4.60 (116.8 mm)			
UPRM-188-30-M	10 - 40 psig (0.7- 2.75 bar)	FNPT	1/2	1/2	5.80 (147.3 mm)	1.70 (43.18 mm)	7.82 (196.63 mm)	3.62 (91.95 mm)
UPRM-288-30-M	10 - 40 psig (0.7- 2.75 bar)	Grab Seal™	1/2	1/2	5.12 (130.1 mm)			
UPRM-788-30-M	10 - 40 psig (0.7- 2.75 bar)	FuseBond™	1/2	1/2	5.80 (147.3 mm)			
UPRM-F88-30-M	10 - 40 psig (0.7- 2.75 bar)	FlareGrip® II	1/2	1/2	5.82 (147.8 mm)			
UPRM-F812-30-M	10 - 40 psig (0.7- 2.75 bar)	FlareGrip® II	1/2	3/4	5.88 (149.4 mm)			
UPRM-188-60-M	15 - 60 psig (1.0- 4.1 bar)	FNPT	1/2	1/2	5.80 (147.3 mm)			
UPRM-288-60-M	15 - 60 psig (1.0- 4.1 bar)	Grab Seal™	1/2	1/2	5.12 (130.1 mm)			
UPRM-788-60-M	15 - 60 psig (1.0- 4.1 bar)	FuseBond™	1/2	1/2	5.80 (147.3 mm)			
UPRM-F88-60-M	15 - 60 psig (1.0- 4.1 bar)	FlareGrip® II	1/2	1/2	5.82 (147.8 mm)			
UPRM-F812-60-M	15 - 60 psig (1.0- 4.1 bar)	FlareGrip® II	1/2	3/4	5.88 (149.4 mm)			

* Please contact us for Higher Pressure Regulation range.

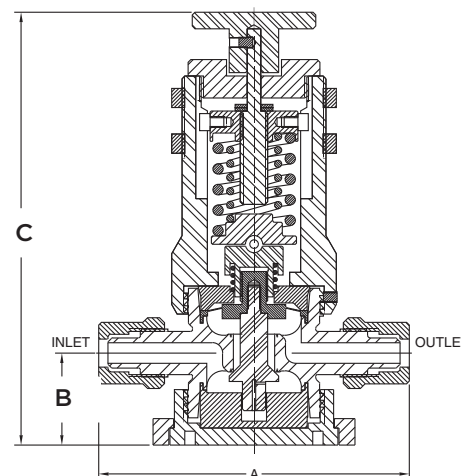
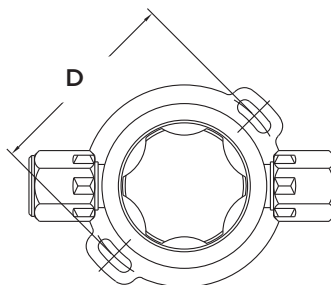
Operating Specifications

Max. Operating Pressure	90 psig (6.2 bar)
Max. Operating Temperature	94° F (90° C)
Pressure Regulation Range*	10 - 40 psig (0.7 - 2.75 bar) and 15 - 60 psig (1.0 - 4.1 bar)
Flow Factor	Cv 3.2 (with 1/2" flare connections)
Body	PTFE
Diaphragm	Modified PTFE
Top Cap	Polypropylene

* Please contact us for Higher Pressure Regulation range.

Standard Options

- Other end connection types available:
 - Nippon Pillar Super 300®
 - Tube Ends
 - Others not listed



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