

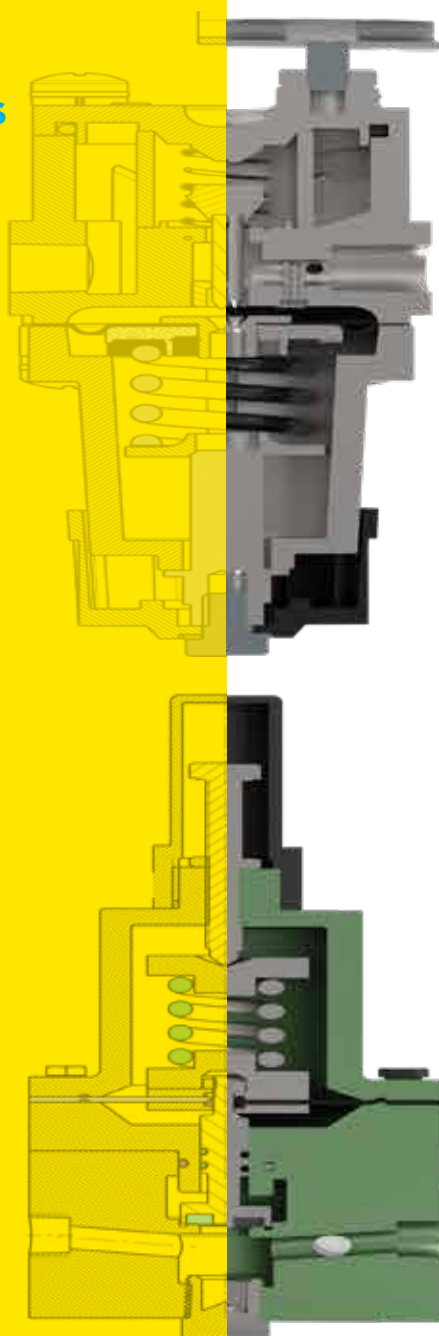


PETRO SAZEH MIHAN CO.

Designing & Manufacturing of Control Valves

knowledge - based company

Regulating Valves Catalogue



دانش بنیان تولیدی نوع یک
در زمینه طراحی و
ساخت شیرهای کنترلی

Regulator Valve (70000 Series) Type A

Pressure regulating valves include pressure sustaining, reducing and relieving valves to provide safe and efficient operating conditions and automatically respond to changes to maintain the set pressure. Depending on Inlet/ Outlet Control Pressure, Flow capacity and Temperature, PSM regulators are classified in six Types: Type A-F.

Features :

- Ideal for sour gas and corrosive applications or environments
- Excellent stability and repeatability
- Low droop
- Tapped vent for exhaust gas capture
- Built-in filter assemblies and dripwells
- Manual or automatic drain options
- Filter only assemblies available
- Panel, bracket or pipe mounting
- Superior regulation characteristics
- Self-relieving of excess down stream pressure

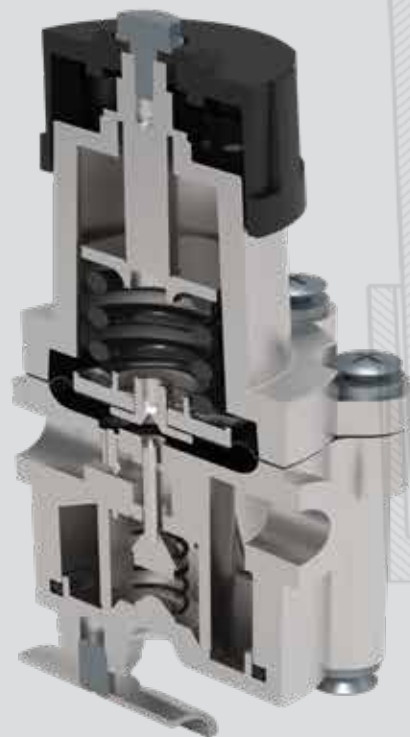
Options :

- Non-Relieving
- Socket Head Build Screw
- Micron Filter
- Mounting Bracket
- Pressure Gauge
- Tamper Resistant Cove
- Low Bleed Diaphragm
- (Soft Relief Seat)

General Data :

- regulator / relief valve for spring settings range from 5 to 100 psig / 0.35 to 7 bar
- Port Size 1/4"
- END CONNECTION STYLE : NPT
- BODY MATERIAL: Aluminum Die Casting, Trim Material : Stainless Steel, VALOX 420 , NBR , Neoprene/416 Stainless Steel , Zinc Plated Carbon Steel





Regulator Valve (70000 Series) Type B

Pressure regulating valves include pressure sustaining, reducing and relieving valves to provide safe and efficient operating conditions and automatically respond to changes to maintain the set pressure. Depending on Inlet/ Outlet Control Pressure, Flow capacity and Temperature, PSM regulators are classified in six Types: Type A-F.

Features :

Versatility / Compact Design
Excellent Fluid Compatibility Low droop
Close, Stable Regulation Built-in filter assemblies and dripwells
Hydrogen Ready
Differential Pressure Capability
Handwheels
Sour Gas Service Capability
Arctic Temperature Constructions
API 614 Compliant
FDA, USP Class VI and ADI Free EPDM Elastomers

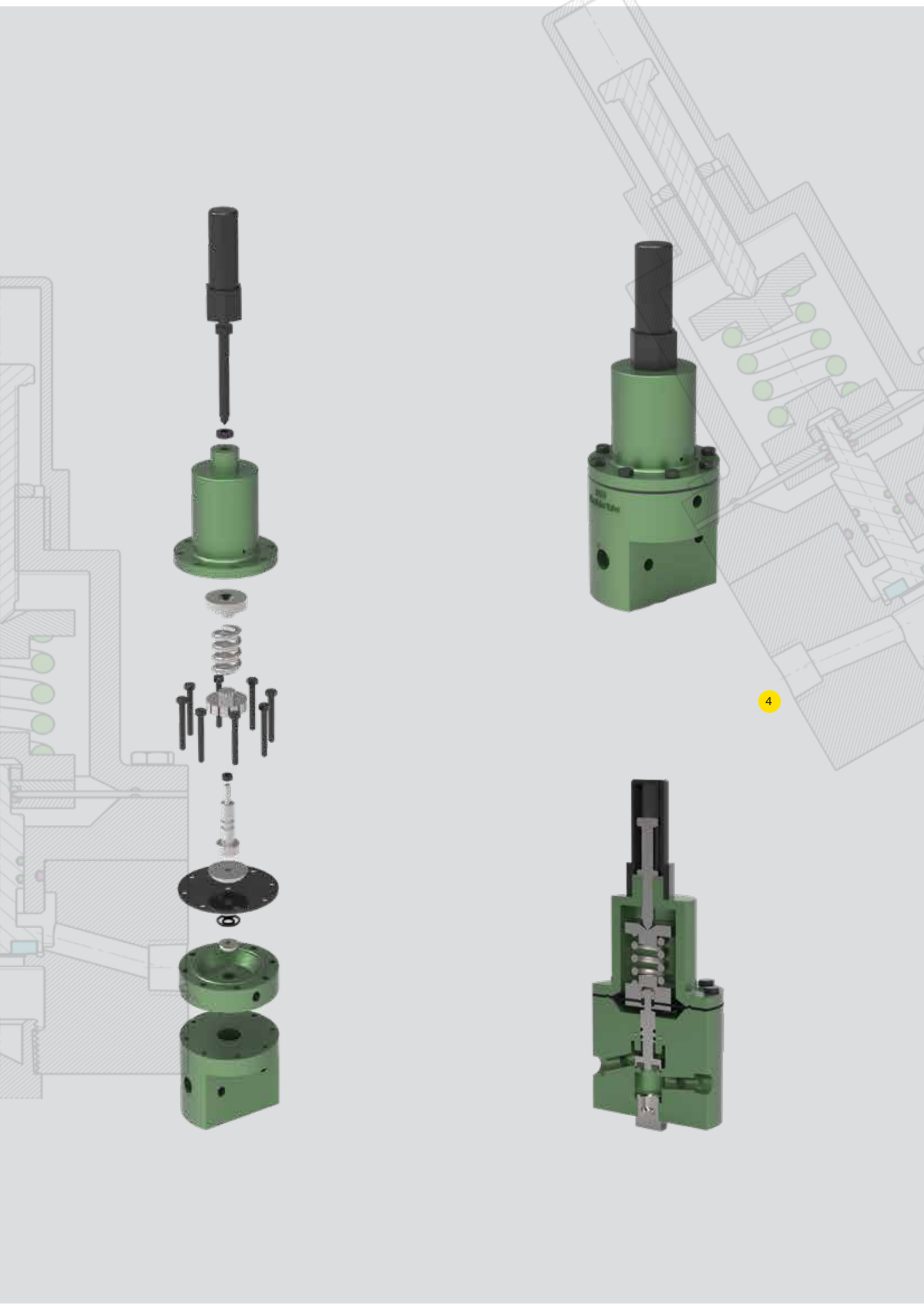
Options :

Handwheel or tee handle for Types MR98L, MR98H and MR98HH
Tapped spring case vent for Types MR98L, MR98H and MR98HH
Seal washer to permit spring case pressure loading for Types MR98L, MR

General Data :

BODY SIZE : 1/4 in. / DN --- 1/2 in. / DN 15 3/4 in. / DN 20 1 in./ DN 25
BODY MATERIAL : Aluminum ,
Trim Material : Stainless Steel, NBR , Neoprene/416 Stainless Steel , Zinc Plated Carbon Steel





Regulator Valve (70000 Series) Type C & D

Pressure regulating valves include pressure sustaining, reducing and relieving valves to provide safe and efficient operating conditions and automatically respond to changes to maintain the set pressure. Depending on Inlet/ Outlet Control Pressure, Flow capacity and Temperature, PSM regulators are classified in six Types: Type A-F.

Features :

Handwheels/Tee Handles
Versatile
Tight Shutoff With Elastomer Seats
Direct-Operated
Robust
Rugged Construction
Differential Pressure Capability
Arctic Temperature Constructions
Special Service Capabilities
Large Turndown Ratio
Multiple End Connection Options
Easy Maintenance
API 614 Compliant

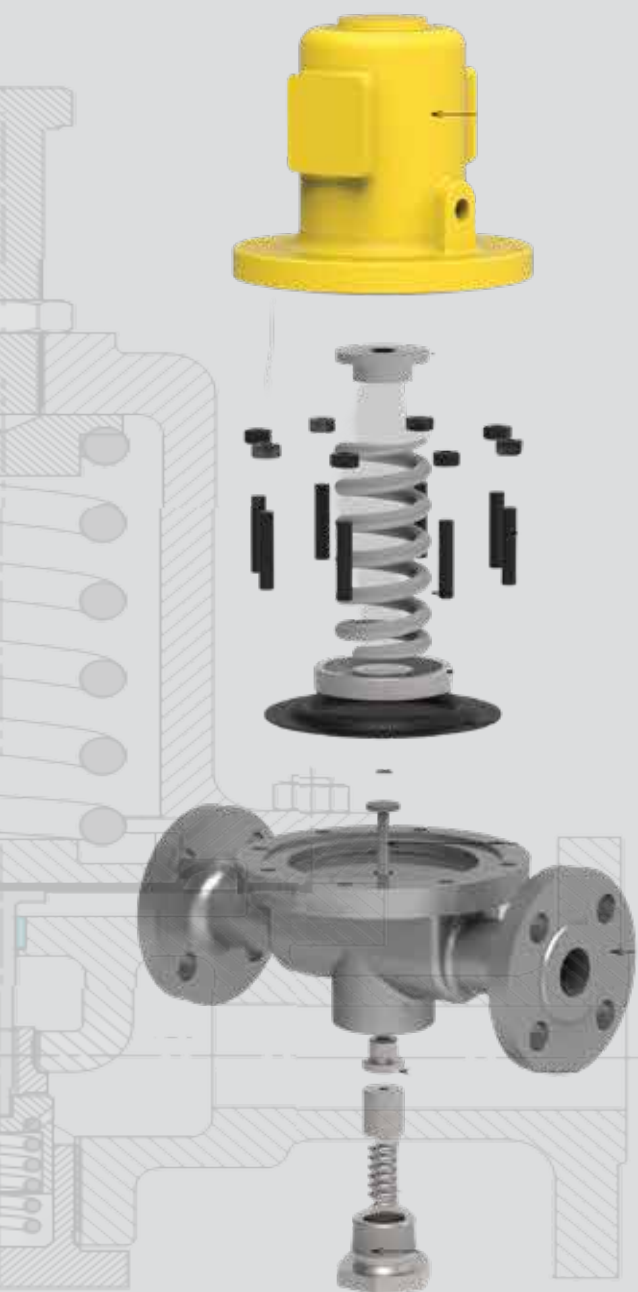
Options :

Handwheel or tee handle
Tapped spring case vent
Seal washer to permit spring case pressure loading

General Data :

Backpressure regulator/Reducing valve for spring settings range from 2 to 375 psig / 0.14 to 25.9 bar
Body Sizes from 1/4" to 2"
END CONNECTION STYLE: Flange , NPT, SWE, Welded ,
BODY MATERIAL : Gray Cast Iron, LCC or WCC Steel, CF8M Stainless Steel, CF3M Stainless Steel, Monel or Hastelloy





Back Preessure

6



Reduced Preessure

Regulator Valve (70000 Series) Type E

Pressure regulating valves include pressure sustaining, reducing and relieving valves to provide safe and efficient operating conditions and automatically respond to changes to maintain the set pressure. Depending on Inlet/ Outlet Control Pressure, Flow capacity and Temperature, PSM regulators are classified in six Types: Type A-F.

Features :

Top and Bottom Guiding
High Capacity with Low Recovery
Reduced Capacity Trim
High Performance Materials
High Temperature Applications

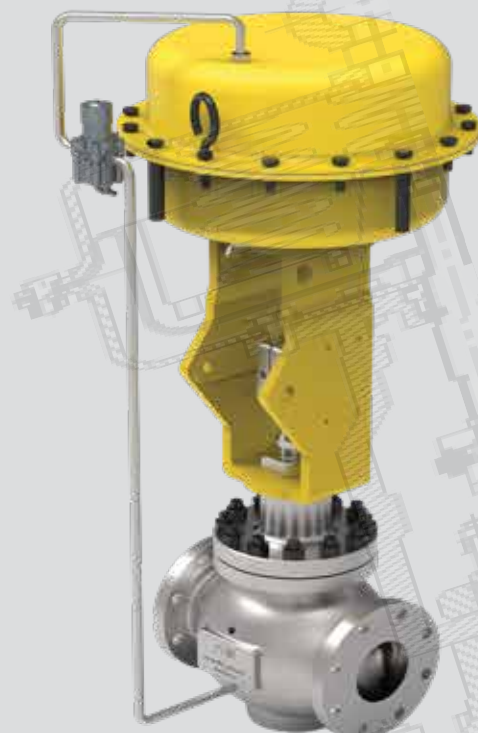
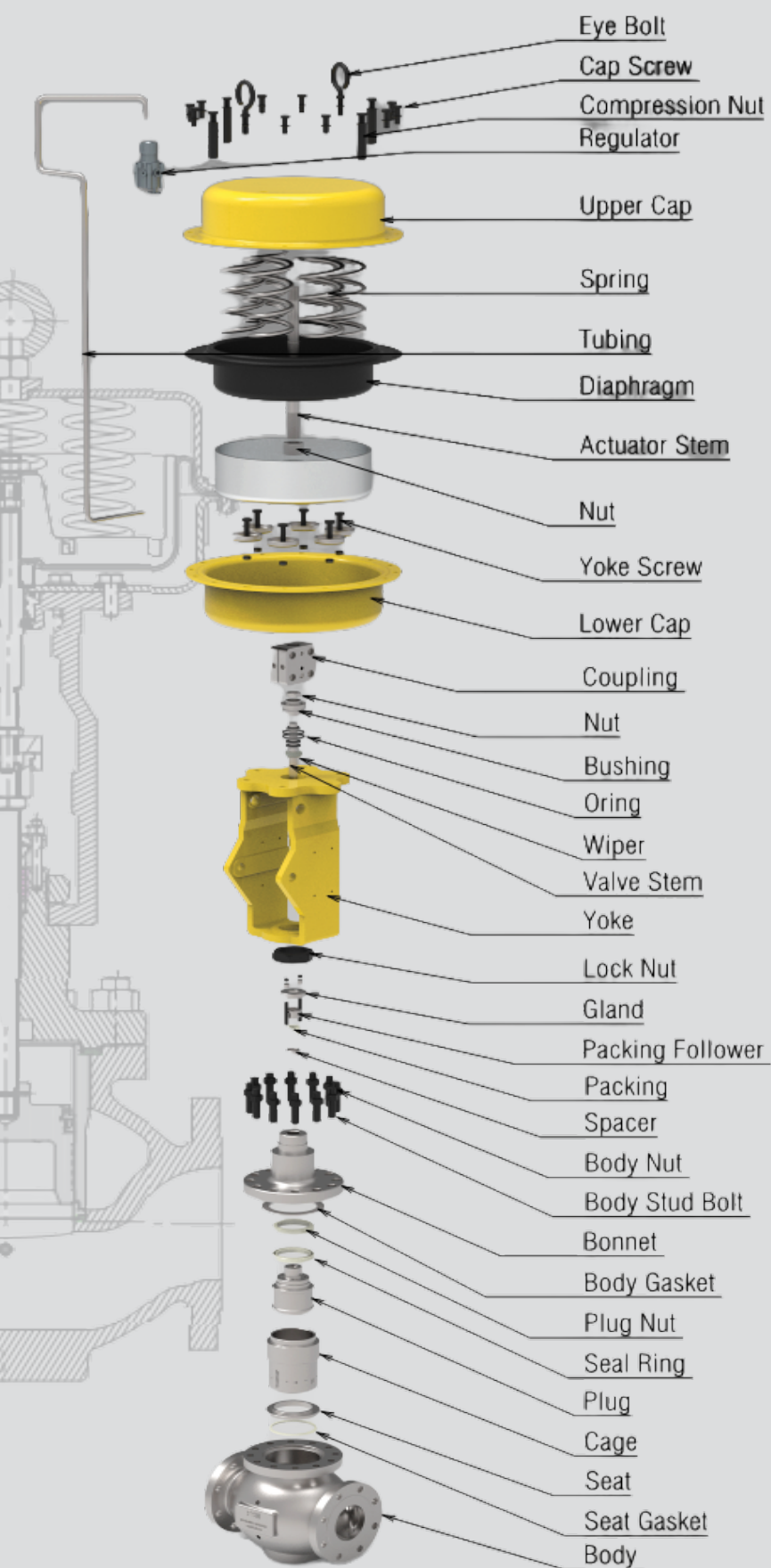
Options :

Non-Relieving
Socket Head Build Screw
Micron Filter
Mounting Bracket
Pressure Gauge
Tamper Resistant Cove
Low Bleed Diaphragm (Soft Relief Seat)

General Data :

regulator valve for spring settings range from Class 150 to 600
Port Size from 3/4" to 4"
END CONNECTION STYLE: Flange
BODY MATERIAL: Carbon steel, stainless steel, Trim Material : Stainless Steel





Arc Valve (90000 Series) Type A & B

The Automatic Recirculation Valve is a protective device. It automatically protects centrifugal pumps from damaging, which may occur through partial evaporation of the pump content during low load operation.

As soon as the main flow falls below a predetermined rate, the valve opens its bypass sufficiently to maintain the required pump minimum flow rate, even if the main flow is zero

Features :

Size independent
High pressure design
Multistage letdown
Enhanced bypass sealing
Letdown varies with stroke
Enhanced noise attenuation
Forged or cast body in CS or SS material
Non return valve in bypass

Options :

Temperature : Minus 100°C to 500°C
Heating jacket : Full or semi jacketing
Bypass trim design :Throttle plates /Multi stage, hollow, or cage trim in bypass
Installation: Vertical /Horizontal
Other options: Maritime sea water service ARC design Valves conforming to NACE MR-01-75Tamp
Resistant Cove
Control Trim Options: varying the number, size and position of the nozzles

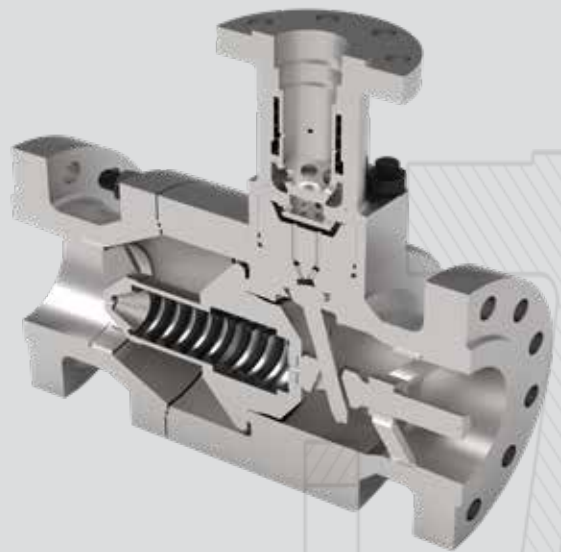
General Data :

To protect pumps and ensure minimum flow conditions
Size : 1" to 16" as standard,
Body and bypass : Carbon or Stainless steel (316L)
Trim materials: Stainless steel (316L)
Temperature: Minus 20° to 300°C
Pressure rating All up to ASME 2500 (PN320)
Connection types Butt weld end or flanged (DIN or ANSI)

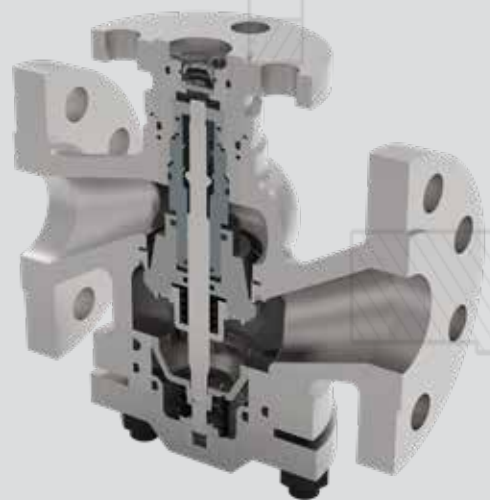




Type A



Type B



PSM

PETRO SAZEH MIHAN CO.

Knowledge - Experience - Technology

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