

Type 62SS

316L Stainless Steel Pressure Regulator

BELLOFRAM PRECISION CONTROLS

The **Type 62SS Stainless Steel Pressure Regulator** is a direct-acting diaphragm pressure-reducing regulator. This ruggedly built regulator operates in pressure ranges up to 250 psig (17 BAR) with maximum inlet pressure up to 435 psig (30 BAR). The Type 62SS pressure regulator can be through-panel mounted with the mounting nut supplied or pipe mounted by its ports. The Type 62SS applications include clean steam for sanitizing, air pressure and industrial or medical gas pressure regulation. Ideal for when a corrosion-resistant regulator is preferred or required. All material internal as well as the body and bonnet is made from bar stock -316L stainless steel. Oxygen cleaning is available on the T62SS unit for use in clean environments, gases and medical application.



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TECHNICAL DATA

Fluid	Compressed air & Industrial gases
Pipe size	1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"
Port thread	NPT - Standard
Max. inlet pressure	435 psi (30 bar)
Operating temp. range	-60°C to +80°C (-76°F to +176°F)
Materials of construction	Stainless steel as per AISI 316L
Body, Bonnet	SS316L with NACE compliance (MR 0175)
Internal parts	SS316L
External parts (Body, Bonnet, End Cap)	SS316L with NACE compliance (MR 0175)
Diaphragm assembly	Synthetic rubber with PTFE protection - Standard Viton (FKM) - Optional
Elastomers	Low Temp. Nitrile: -60°C to +80°C (-76°F to +176°F) - Standard Fluorocarbon (Viton-FKM): -20°C to +180°C (-4°F to +356°F)
Standard Nominal Flow Rate at 150 psi (10 bar) inlet pressure, a set pressure of 87 psi (6 bar) and flow open until output drops 14.5 psi (1 bar) from set point.	1/4" - 82 scfm / 2,321.8 lpm 3/8" - 173 scfm / 4,898 lpm 1/2" - 218 scfm / 6,173 lpm 3/4" - 360 scfm / 10,194 lpm 1" - 480 scfm / 13,592 lpm 1 1/2" - 500 scfm / 14,158.4 lpm 2" - 525 scfm / 14,866.3 lpm
CV value	1/4" - (1.55) 3/8" - (3.26) 1/2" - (4.11) 3/4" - (6.80) 1" - (9.05) 1 1/2" - (9.45) 2" - (9.90)
Type	Relieving - Standard Non-relieving - Optional
Pressure adjustment	Hex headed adjusting screw - Standard "T" handle - Optional
Regulated sec. pressure ranges	3.0 - 30 psi (0.21 - 2.10 bar) 6.0 - 60 psi (0.40 - 4.14 bar) 12.5 - 125 psi (0.86 - 8.6 bar) 15.0 - 150 psi (1.0 - 10.0 bar) 25.0 - 250 psi (1.70 - 17.5 bar)
Gauge port (2 nos.)	1/4" NPT
Mounting	Panel mount nut - Standard
Weight	For 1/2", 3/4" - 4.6 lbs (2.10 Kgs) For 1", 1 1/2", 2" - 13.2 lbs (6.0 Kgs)

FEATURES

- All SS316L stainless steel material
- Seven port sizes of 1/4" to 2" NPTF
- High flow rate 1.5, 1/4" to 9.9, 2" CV
- Five pressure ranges between 3 & 250 psig
- Low temp nitrile elastomers -76°F/+176°F

FOCUS MARKETS/APPLICATIONS

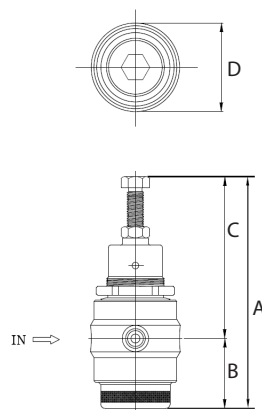
- Medical and bio-medical
- Instrument & sampling panels
- Corrosive and caustic mediums
- Industrial & specialty gas handling
- Pharmaceutical processing equipment
- Food & beverage facilities and equipment

COMPETITIVE ADVANTAGES

- Body, Bowl & Cap are NACE Compliant
- -76°F to 176°F temp range
- 316L bar stock precision parts
- High flow rate in all port sizes
- O2 cleaning available as an option

DIMENSIONS

Size		A	B	C	D
1/4", 3/8"	in.	6.6	2.0	4.6	2.5
	mm.	167.4	50.5	117.0	64.0
1/2", 3/4"	in.	6.6	2.0	4.6	3.2
	mm.	167.4	50.5	117.0	82.0
1", 1 1/2", 2"	in.	9.3	3.9	5.4	4.7
	mm.	236.0	100.0	136.0	120.0



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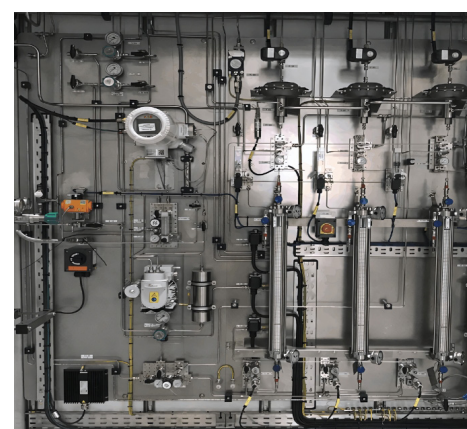
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ORDERING INFORMATION

62SS	XX	XXX	X	X	0	X	X
PORT SIZE (NPT)							
1/4"	02						
3/8"	03						
1/2"	04						
3/4"	06						
1"	08						
1½"	14						
2"	16						
SPRING RANGE (PSIG / BAR)							
3-30 / 0.2-2.1		030					
6-60 / 0.4-4.0		060					
12-125 / 0.86-8.6		125					
15-150 / 1-10		150					
25-250 / 1.7-17.5		250*					
O-RINGS							
Low temp Nitrile			1				
FKM			2				
VERSIONS							
Relieving - Standard				R			
Non-relieving				N			
ADJUSTMENT							
Hex head - Standard						1	
T-handle						2	
APPROVALS							
RoHS, Reach							0

* Hex head only



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