

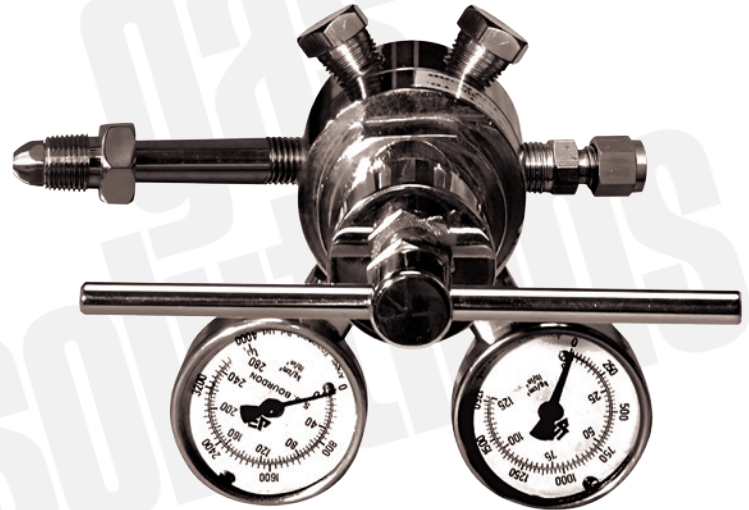
Piston Operated Stainless Steel Single Stage Regulator for Pressure Regulation upto 120 kg/cm²g

APPLICATIONS

<input checked="" type="checkbox"/>	Inert Gases
<input checked="" type="checkbox"/>	Oxidizing Gases
<input checked="" type="checkbox"/>	Flammable Gases
<input checked="" type="checkbox"/>	Corrosive Gases
<input type="checkbox"/>	Liquid Cylinder (Gas Delivery)
<input type="checkbox"/>	Cryogenic Liquid Delivery
<input checked="" type="checkbox"/>	General Purpose
<input checked="" type="checkbox"/>	High Purity
<input checked="" type="checkbox"/>	Ultra High Purity

Key Features

Part Valve Technology & Design
Ease of maintenance and ease of cleaning
Tamper-proof self-reseating internal valve
Maintains regulator integrity and reduces maintenance
Piston Sensed
Nominal pressure drop
Inlet Assembly with built-in filter
Traps foreign matters thus extending regulator life and reduces maintenance



ON THE WEB

<input checked="" type="checkbox"/>	Sell Sheet
<input checked="" type="checkbox"/>	Technical Brochure
<input type="checkbox"/>	Engineering Specification
<input checked="" type="checkbox"/>	Instruction Manual
<input type="checkbox"/>	Typical Installation Drawing

Applications

Slight rise in delivery pressure is not an issue as cylinder pressure goes down
Recommended for Gas purity up to Grade 5.0 (99.999% Pure)
Bar stock body regulator (Bubble Tight)
Directly mounted to the cylinder valve with gas related nut & nipple (IS-3224-2002/1979 / CGA / BS)

Ordering Information



Max. Delivery Pressure (Pressure Gauge Range)	Inscribe
16.0 bar (28 bar)	02186H
30.0 bar (40 bar)	02187H
40.0 bar (70 bar)	02197A
70.0 bar (100 bar)	021109
100.0 bar (125 bar)	211110
120.0 bar (160 bar)	211211

Gas Service	Inscribe
Oxygen	611
Argon / Helium / Nitrogen	612
Hydrogen / Methane	613
Zero Air	624
Any CGA / BS Connection	No.
Other (Mention Gas Service)	625

Optional Accessories	Inscribe
Diaphragm Packless Valve	HFCS
Needle Valve	NS
Panel Mounting Ring	PM
Tee Purge at Inlet	TPI
Cross Purge at Inlet	CPI
Safety Valve at Low Pressure Side	SVL

Outlet Connection	Inscribe
1/4" NPT (Female) Port	00
1/4" NPT (Male)	01
1/8" Compression (Imported / Indigenous)	02 / 02A
1/4" Compression (Imported / Indigenous)	03 / 03A
6 mm Compression (Imported / Indigenous)	04 / 04A
3/8" Compression (Imported / Indigenous)	05 / 05A
1/2" Compression (Imported / Indigenous)	12 / 12A
12 mm Compression (Imported / Indigenous)	13 / 13A
4 mm Hose barb (RH / LH)	18R / 18L
6 mm Hose barb (RH / LH)	19R / 19L
8 mm Hose Barb (RH / LH)	20R / 20L
Other (Mention at end of Code)	25

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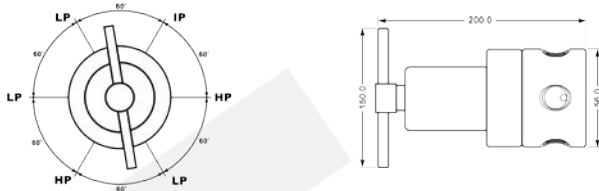
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DIN EN ISO 9001 : 2008 Organisation

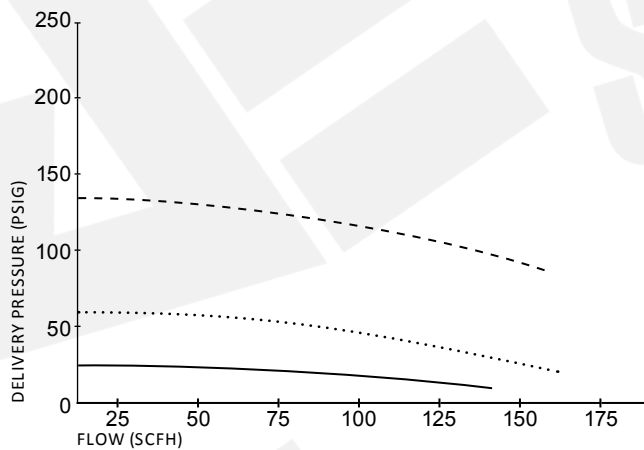
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Orientation



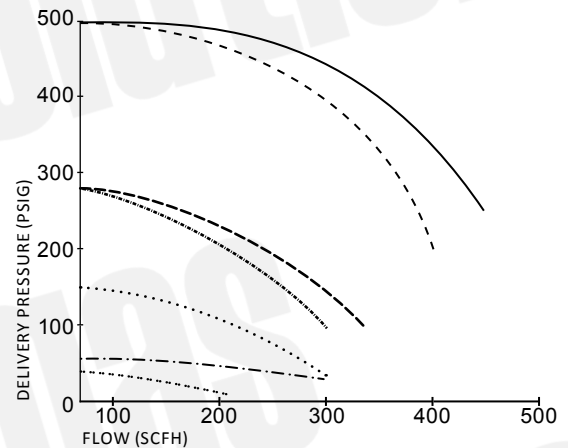
Flow Data



15 PSIG Outlet @ 200 PSIG Inlet —————
 50 PSIG Outlet @ 200 PSIG Inlet
 125 PSIG Outlet @ 200 PSIG Inlet - - - - -

Specifications

» Maximum Inlet Pressure	210 Bar / 3000 Psig
» Flow Coefficient	0.06
» Operating Temperature	-40° C to 60° C
» Gauge Diameter	2" Dial
» Inlet Gauge Range	See Part Number Matrix
» Delivery Pressures & Related Gauges	See Part Number Matrix



15 PSIG Outlet @ 2000 PSIG Inlet
 50 PSIG Outlet @ 2000 PSIG Inlet - - - - -
 125 PSIG Outlet @ 2000 PSIG Inlet
 250 PSIG Outlet @ 350 PSIG Inlet
 250 PSIG Outlet @ 2000 PSIG Inlet - - - - -
 500 PSIG Outlet @ 600 PSIG Inlet - - - - -
 500 PSIG Outlet @ 2000 PSIG Inlet —————

Materials

<i>Regulator</i>	
Body	316 Stainless Steel Barstock
Bonnet	316 Stainless Steel
Piston Assembly	316 Stainless Steel
Valve	316 Stainless Steel
Seat & Seals	TEFLON / PCTFE
Filter	10 Micron - Sintered
Adjusting Knob	Tommy Bar

Diaphragm Valve (If Selected)

Body	316 Stainless Steel
Diaphragm	316 L Stainless Steel
Seat	Nylon 6,6 / PCTFE
Knob	ABS Plastic
Inlet Connection	316 Stainless Steel
Outlet Connection	316 Stainless Steel

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