

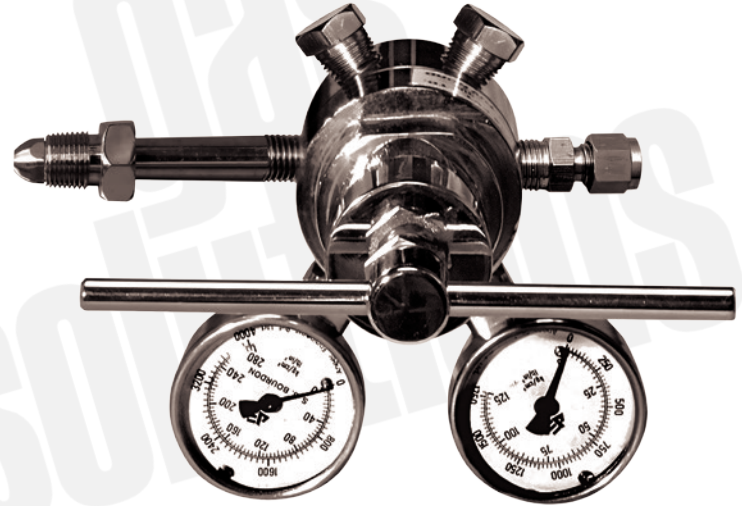
Piston Operated Brass Single Stage Regulator for Pressure Regulation upto 120 kg/cm²g

APPLICATIONS

- Inert Gases
- Oxidizing Gases
- Flammable Gases
- Corrosive Gases
- Liquid Cylinder (Gas Delivery)
- Cryogenic Liquid Delivery
- General Purpose
- High Purity
- 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

- Sell Sheet
- Technical Brochure
- Engineering Specification
- Instruction Manual
- 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

MOC	Inscribe	Optional Accessories	Inscribe
Brass Chromeplated	BC103-01	Diaphragm Packless Valve	HFCB
Brass Nickel Plated	BN103-01	Needle Valve	NSB
		Panel Mounting Ring	PMR
		Tee Purge at Inlet	TPI
		Cross Purge at Inlet	CPI
		Safety Valve at Low Pressure Side	SVL
Max. Delivery Pressure (Pressure Gauge Range)	Inscribe	Outlet Connection	Inscribe
16.0 bar (28 bar)	04286H	¼" NPT (Female) Port	00
30.0 bar (40 bar)	04287H	¼" NPT (Male)	01
40.0 bar (70 bar)	04297A	⅜" Compression (Imported / Indigenous)	06 / 06A
70.0 bar (100 bar)	042109	½" Compression (Imported / Indigenous)	07 / 07A
100.0 bar (125 bar)	421110	6 mm Compression (Imported / Indigenous)	08 / 08A
120.0 bar (160 bar)	421211	¾" Compression (Imported / Indigenous)	09 / 09A
		12 mm Compression (Imported / Indigenous)	10 / 10A
Gas Service	Inscribe	4 mm Hose barb (RH / LH)	21R / 21L
Oxygen	611	6 mm Hose barb (RH / LH)	22R / 22L
Argon / Helium / Nitrogen	612	8 mm Hose Barb (RH / LH)	23R / 23L
Hydrogen / Methane	613	Other (Mention at end of Code)	25
Zero Air	624		
Any CGA / BS Connection	No.		
Other (Mention Gas Service)	625		

Head Office :

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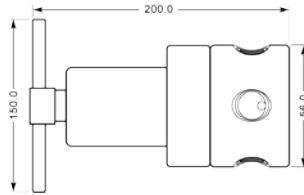
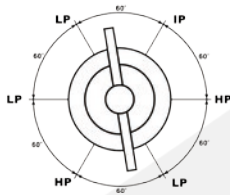
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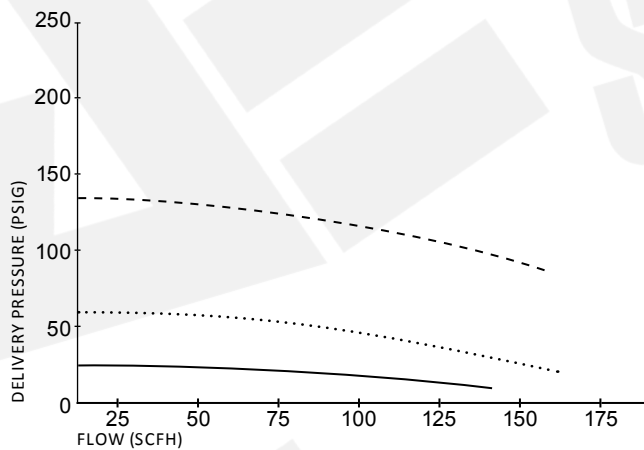
Orientation



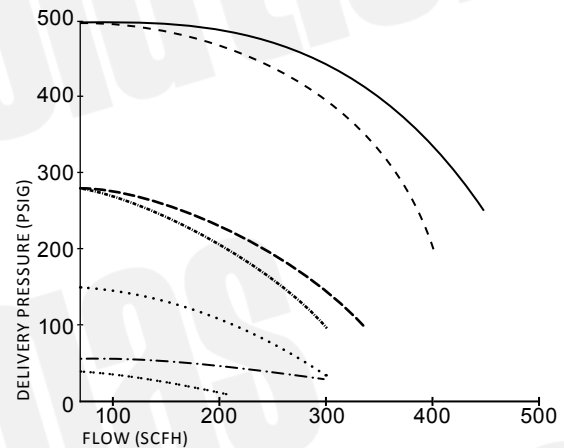
Specifications

» 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

Flow Data



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



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	Brass Bar Stock
Bonnet	Brass
Piston Assembly	Brass / 316 Stainless Steel
Valve	Brass / 316 Stainless Steel
Valve Seat	TEFLON / PCTFE
Filter	10 Micron - Sintered
Adjusting Knob	Tommy Bar

Diaphragm Valve (If Selected)

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

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