

Ultra High Purity, Two Stage, Stainless Steel Barstock Cylinder Regulator

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
- Easy panel mounting
- Front or Back (panel mounting ring optional)
- 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

- Constant delivery pressure regardless of cylinder pressure
- Recommended for Gas purity up to Grade 5.5 (99.9995% Pure)
- Bar stock body regulator (inboard leak rate 1×10^{-8} atm-cc/sec of He)
- 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
1.0 bar (2.1 bar)	07-2121
1.6 bar (2.1 bar)	07-2122
1.5 bar (2.1 bar) For Acetylene	07-2622
5.5 bar (7.0 bar)	07-2144
7.0 bar (10 bar)	07-2154H
10.0 bar (16 bar)	15-2164H
12.0 bar (16 bar)	15-2165
15.0 bar (25 bar)	15-2176
20.0 bar (25 bar)	25-2176H
25.0 bar (40 bar)	25-2187

Gas Service	Inscribe
Oxygen	611
Argon / Helium / Nitrogen	612
Hydrogen / Acetylene	613
SF ₆	614
Ethylene Oxide	615
Carbon Dioxide	616
Ammonia	617
Nitrous Oxide	620
Zero Air	624
Any CGA / BS Connection	No.
Other (Mention Gas Service)	625

Optional Accessories	Inscribe
Diaphragm Packless Valve	FC
Needle Valve	NS
Heater at Inlet	HH
Panel Mounting Ring	PM
Captured Vent Device	CV
Tee Purge at Inlet	TP
Cross Purge at Inlet	CP
Safety Valve at Low Pressure Side	SVL
Safety Valve at High & Low Pressure Side	SVHL
Flashback Arrestor at Outlet	FBA

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
Pushfit Connection for 4 mm PU Tube	4MMPU
Pushfit Connection for 6 mm PU Tube	6MMPU
Other (Mention at end of Code)	25

*For carbon-dioxide and nitrous-oxide service, it is strongly recommended to use electrically heated regulators. Should flow of carbon-dioxide or nitrous-oxide exceed 15 SLPM, regulator will be freeze up and warranty will be null and void.

Head Office :

21B, Duff Street, Kolkata - 700 006, West Bengal, India
 +91-33-23525024
 +91-33-23504946
 aneer@aneer.net; cad@aneer.net

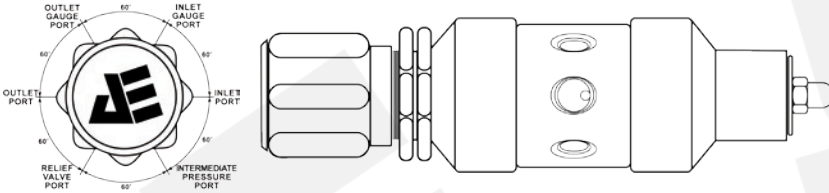
Aneer Engineers Pvt. Ltd.

DIN EN ISO 9001 : 2008 Organisation

Visit us at : www.aneer.net

Ultra High Purity, Two Stage, Stainless Steel Barstock Cylinder Regulator

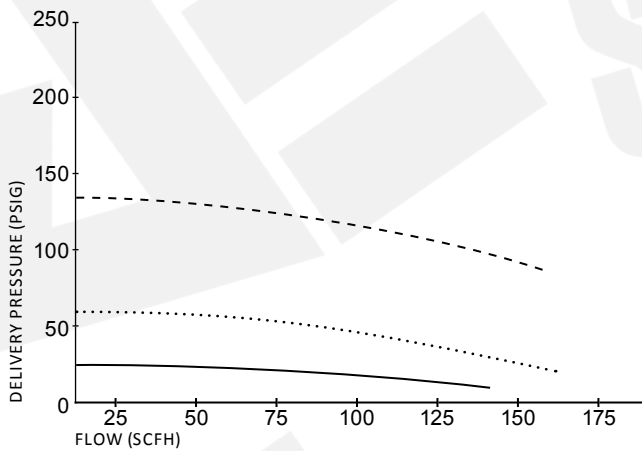
Orientation



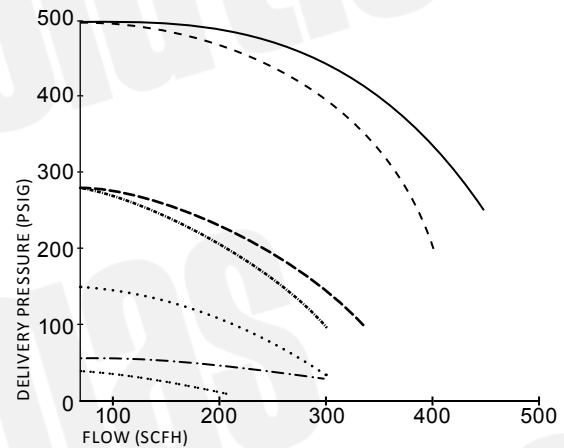
Specifications

» 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	316 Stainless Steel Bar Stock
Bonnet	316 Stainless Steel
Diaphragm	316 L Stainless Steel
Valve Nozzle	316 Stainless Steel
Valve Seat	TEFZEL / PCTFE
Filter	10 Micron - Sintered
Adjusting Knob	ABS Plastic

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

Head Office :

21B, Duff Street, Kolkata - 700 006, West Bengal, India

+91-33-23525024

+91-33-23504946

aneer@aneer.net; cad@aneer.net

Aneer Engineers Pvt. Ltd.

DIN EN ISO 9001 : 2008 Organisation

Visit us at : www.aneer.net