

## Two Stage, Stainless Steel Low Carbon Barstock Cylinder Regulator For Corrosive Gas Service

### 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 checked="" type="checkbox"/>	Liquid Cylinder (Gas Delivery)
<input type="checkbox"/>	Cryogenic Liquid Delivery
<input 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
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

<input checked="" type="checkbox"/>	Sell Sheet
<input type="checkbox"/>	Technical Brochure
<input type="checkbox"/>	Engineering Specification
<input type="checkbox"/>	Instruction Manual
<input type="checkbox"/>	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 $1 \times 10^{-8}$ atm-cc/sec of He)
Directly mounted to the cylinder valve with gas related nut & nipple (IS-3224-2002/1979 / CGA / BS)

### Ordering Information



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

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
Chlorine / SF <sub>6</sub> / HCl	614
Ethylene Oxide	615
Carbon Dioxide	616
Ammonia	617
Sulphur Dioxide	619
Nitrous Oxide	620
Zero Air	624
Any CGA / BS Connection	No.
Other (Mention Gas Service)	625

Outlet Connection	Inscribe
1/4" NPT (Female) Port	00
1/4" NPT (Male)	01
1/8" Compression (Imported / Indigenous)	02
1/4" Compression (Imported / Indigenous)	03
6 mm Compression (Imported / Indigenous)	03A
3/8" Compression (Imported / Indigenous)	04A
1/2" Compression (Imported / Indigenous)	05
12 mm Compression (Imported / Indigenous)	05A
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

\*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.

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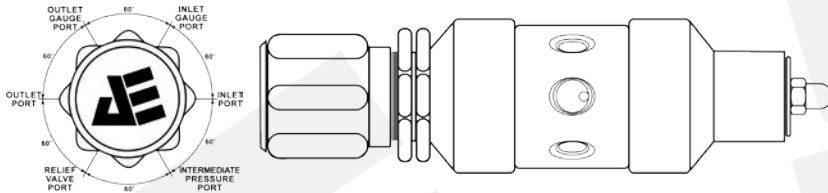
## Aneer Engineers Pvt. Ltd.

DIN EN ISO 9001 : 2008 Organisation

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## Two Stage, Stainless Steel Low Carbon Barstock Cylinder Regulator For Corrosive Gas Service

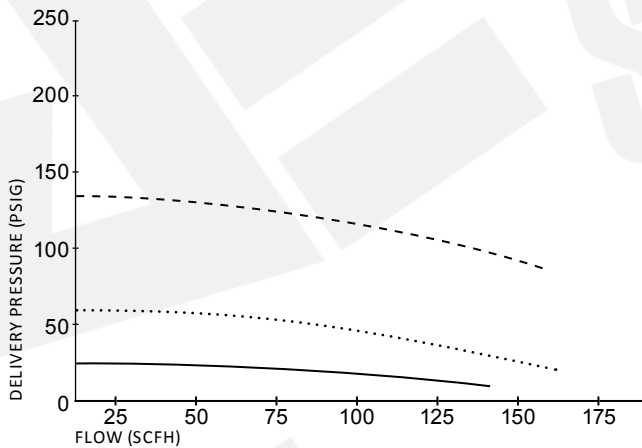
### Orientation



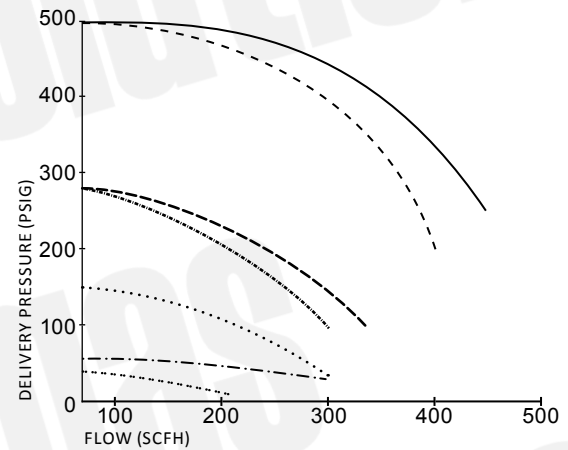
### Specifications

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

### 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 L Stainless Steel BarStock
Bonnet	316 Stainless Steel
Diaphragm	Hestalloxy C
Nozzle	316 L Stainless Steel
Seat & Seals	TEFZEL / PCTFE
Filter	10 Micron - Sintered
Adjusting Knob	ABS Plastic

### *Diaphragm Valve (If Selected)*

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

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