

1355 Servo Dome Pressure Regulator

For high-pressure, high-flow applications requiring bubble-tight performance

Features

- Designed for high flow, high pressure gas and liquid applications
- Gas loaded dome provides accurate set point regulation
- Compact body design
- Inlet/outlet pressures up to 6000 psi
- Internal or downstream sensing
- Self-contained dome loading available

Specifications

- | | |
|----------------------|--------------------------|
| • Inlet Pressure | 0 to 6,000 psi |
| • Outlet Pressure | 0 to 6,000 psi |
| • Proof | 9,000 psi |
| • Burst | 24,000 psi |
| • Cv | 3.1, 7 or 12 |
| • Temperature | -45°F to +165°F |
| • Approximate weight | 100 lbs. |
| • External leakage | Bubble-tight |
| • Internal leakage | 10 sccm max. (soft seat) |



Materials of Construction

- | | |
|-------------|---------------------|
| • Body | 304 Stainless steel |
| • Dome | 304 Stainless steel |
| • Seat | Nylon, PTFE or A286 |
| • Seals | Buna N®, Teflon® |
| • Diaphragm | Polyurethane |

Teflon® is a registered trademark of E.I. du Pont de Nemours & Company
Buna-N® is a registered trademark of E. I du Pont de Nemours & Company

Applications

Chemical processing • Test stands • Natural gas pipelines • Ground Support Systems



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*U.S. Para Plate valves and regulators are used where performance and reliability are a must.
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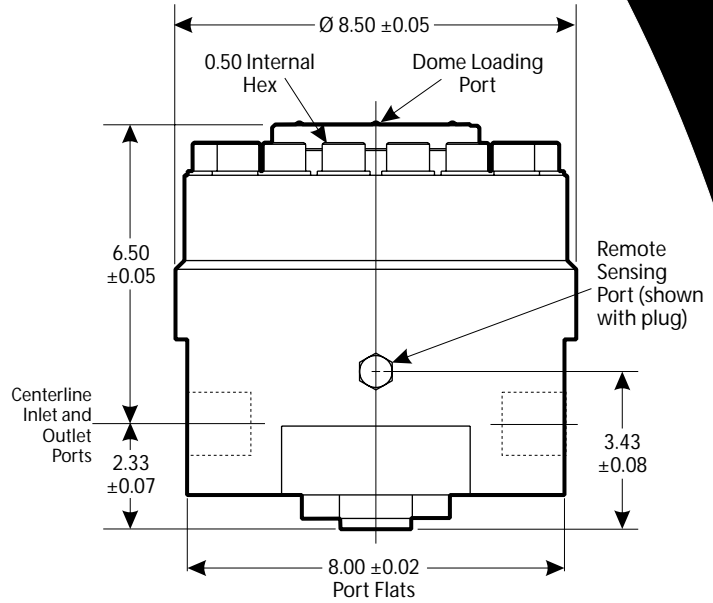
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Ordering Information

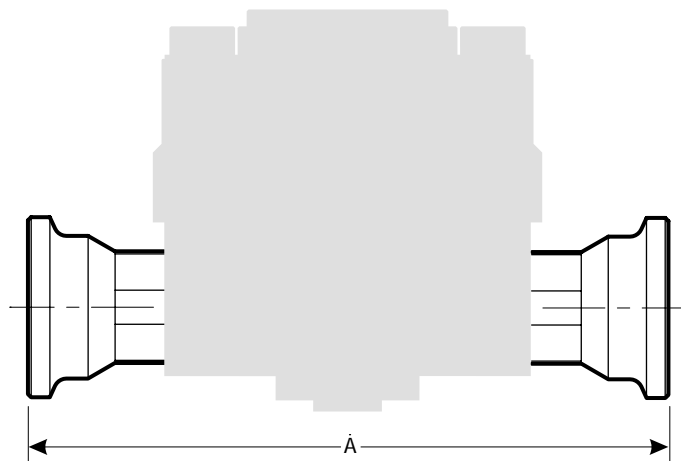
MODEL NUMBER: 1355 C 8 K - T 16 T R

C = 304 Stainless steel	BODY/DOME
8 = 0.50" C_V 3.1 12 = 0.75" C_V 7 16 = 1" C_V 12	ORIFICE SIZE & FLOW FACTOR
N = Nylon K = PTFE M = A286	SEAT MATERIAL
- = General service X = High level precision cleaning	CLEANING
T = MS33649-4 female tube P = 1/4" NPT female L = Self contained	DOMES LOADING CONNECTIONS
12 = 0.75" 16 = 1.00" 24 = 1.50" 32 = 2.00" *	LINE SIZE
T = MS33649 female tube P = NPT female G = G-CON®	I/O PORT TYPE
Blank = Not required R = Required	REMOTE SENSING

* Adapter needed for Line Size 32 Tube
For Oxygen service, contact factory.
(Bold Italic Type indicates standard options)
G-CON® is a registered trademark of Reflange, Inc.



G-CON® Hub Option



Line size	G-CON® Hubs	Seal Ring Availability	
	A ± 0.09	Seal Ring	Clamp Size
12	11.50	G05	C-01
16	11.50	G07	C-01
24	12.75	G14	C-1.5
32*	13.50	G14	C-02

*2" Tube adapter needed for 2" line size (32)

Flow Factor & Orifice Size

C_V	Orifice Size
3.1	0.50"
7	0.75"
12	1.00"

Characteristic Max Flow Curve

