

# 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



[www.usparaplate.com](http://www.usparaplate.com) • 951-270-6200

*U.S. Para Plate valves and regulators are used where performance and reliability are a must.  
Proven for over 30 years in the most demanding Aerospace and Industrial applications.*



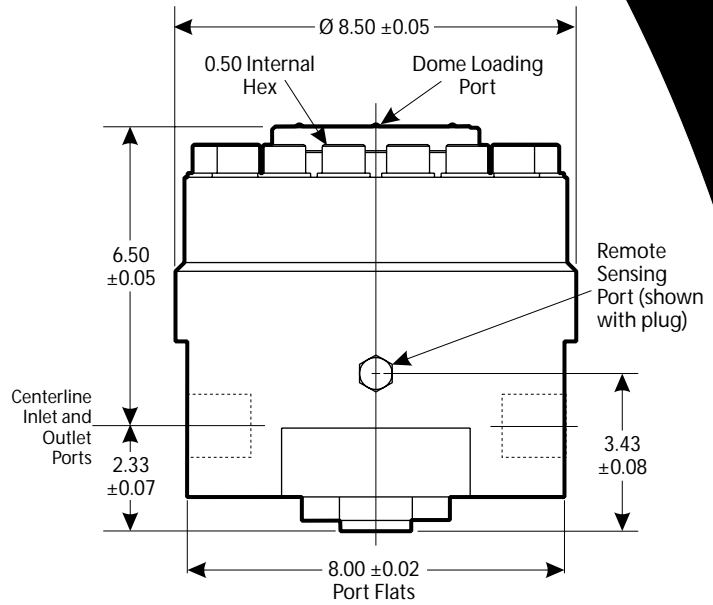
# 1355 Servo Dome Pressure Regulator

## Ordering Information

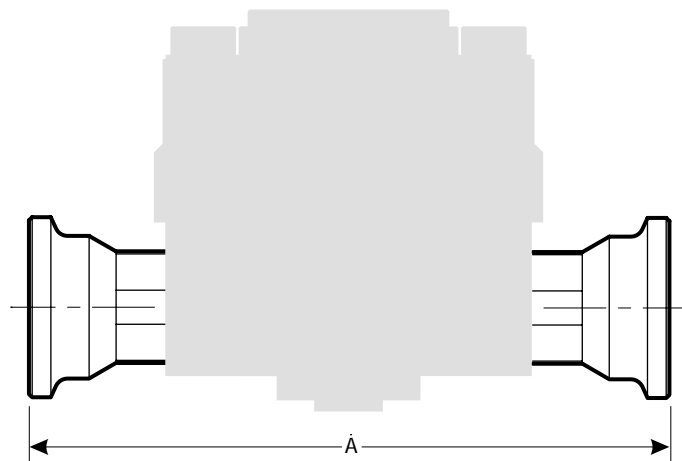
MODEL NUMBER: 1355 C 8 K - T 16 T R

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

\* 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

