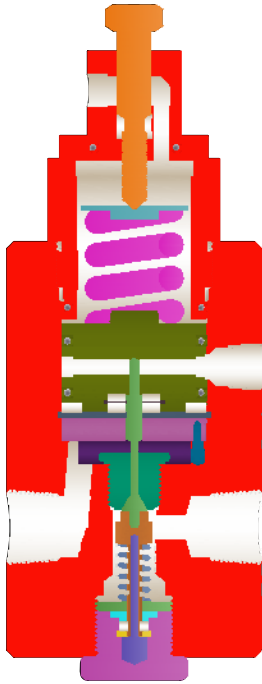


# DOME LOADED REGULATOR-44



## TECHNICAL SPECIFICATION

Fluid Media	:	All Gases And Liquids Compatible With Materials Of Construction.
Max. Rated Inlet Pressure	:	5,000 PSIG ( 345 BAR )
Outlet Pressure Range	:	50 -1500 PSIG ( 3.4 - 105 ) BAR
Design Proof Pressure	:	150% Maximum Operating Pressure
Design Burst Pressure	:	400% Maximum Operating Pressure
Materials	:	Body - Brass Or Chrome Plated Brass Back Up Ring - TEFLON O-Ring - VITON - A Seat - KEL-F81 Gasket - KEL-F81
Remaining Parts	:	Brass, 303 Series S.S. & 17-4 PH SST
Flow Capacity	:	Main Valve $C_v = 0.7$ , Vent Valve $C_v = 0.35$
Temperature	:	$C^{\circ}$ TO + 165 $^{\circ}$ F ( -17 $^{\circ}$ TO 75 $^{\circ}$ C )
Leakage	:	Bubble Tight
Weight	:	8 IBS. ( 3062 Kg )
Ports	:	$\frac{1}{2}$ " NPT, $\frac{1}{8}$ " -27 NPT Reference Port

The **DLR - 44 NUTECH - 01 Series Regulator** is a piston sensed, dome loaded, positive biased, differential pressure regulator, The positive bias provide a constant outlet pressure from 50 - 1500 PSI ( 3.4 - 105 BAR ) greater than the reference pressure. Due to the self - vented feature, the outlet pressure can be vented through the regulator allowing downstream regulation even with a decreasing reference pressure. The **DLR-44 NUTECH-01** provides valve. A segregated vent allows the outlet pressure to be vented separately and eliminates mixing media with the reference pressure zone.

- ▶ **Compact in size**
- ▶ **High flow :  $C_v = 0.7$**
- ▶ **Piston sensed**
- ▶ **Bias (over Bottom Pressure)**
- ▶ **Segregated vent**

## TYPICAL APPLICATION

RESEARCH LABS  
LOW FLOW PURGE SYSTEMS  
PILOT PLANT OPERATIONS  
MODICAL INSTRUMENTS  
DEAD WEIGHT TESTER  
INDUSTRIAL CONTROLS  
GAS AND LIQUID SAMPLING

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