

High Pressure/Pressure Reducing
maximum 6,000 & 10,000 PSIG in/ranges up to 6,000 PSIG out
self venting/excellent sensitivity

44-1100 Series

Specifications

❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3
maximum rated inlet pressure:

stainless steel 10,000 PSIG
brass 6,000 PSIG

outlet pressure ranges 0-500, 0-800, 10-1500,
15-2500, 25-4000, 50-6000 PSIG

design proof pressure. . . . 150% of maximum rated inlet
leakage bubble-tight

operating temperature -40° F to +165° F
(-40° C to +75° C)

flow capacity $C_v = .06$

maximum operating torque 35 in.-lb. (3.95 Nm)

❑ Media Contact Materials

body brass, 303 or 316 Stainless Steel

filter: brass body 40 Micron (nominal) - bronze
SST body 15 Micron (nominal) - 316 SST

main valve seat Vespel®

vent valve seat CTFE

seals Buna-N

back-up rings Teflon®

remaining parts 300 Series Stainless Steel

For other materials and modifications, please consult Tescom.

❑ Cleaning CGA 4.1 and ASTM G93

❑ Weight 4.75 lbs. (2.15 kg)

Pressure Conversion 14.5 PSIG = 1 bar 145 PSIG = 1 MPa

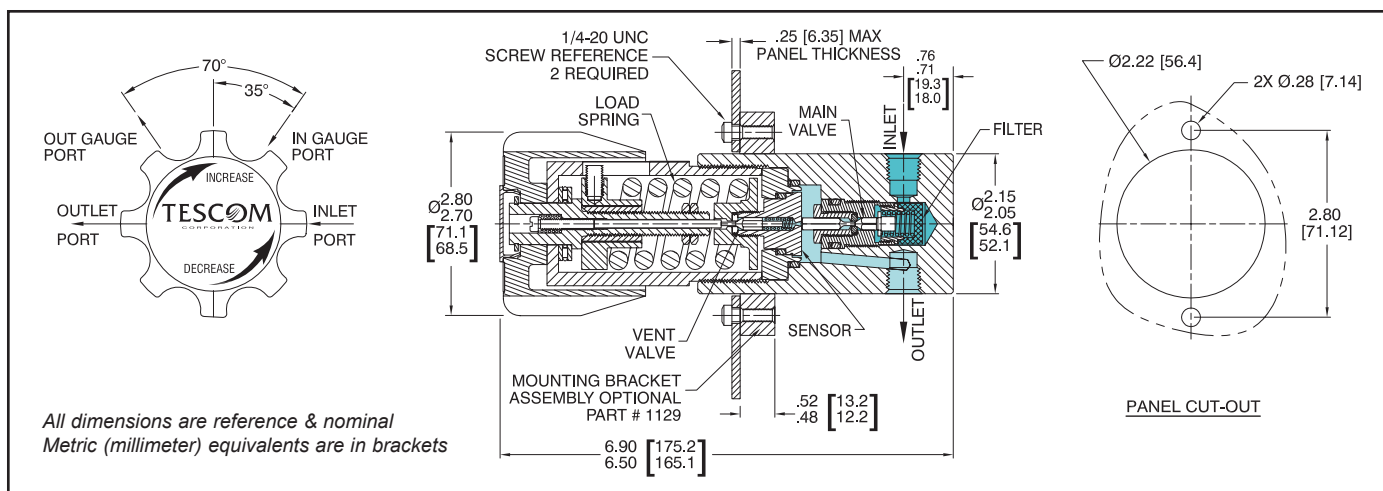
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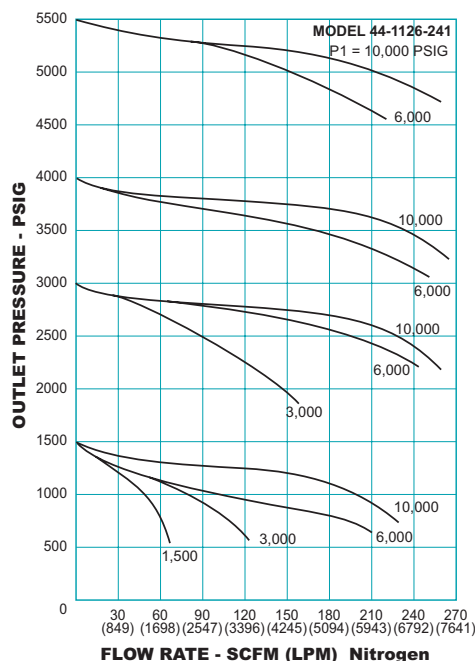
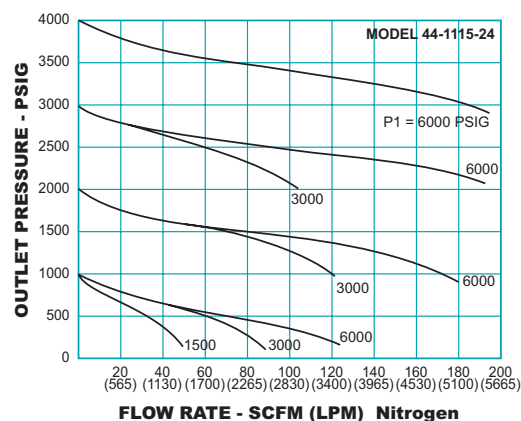
Advantages

- Removable valve assembly module permits easy repair
- Excellent sensitivity through a wide range of pressure settings
- Extra safety and reliability of piston style sensor
- Unbalanced stem assists positive shut-off
- Inlet & outlet gauge ports standard
- Available in brass or Stainless Steel
- Regulator vents to zero PSIG in all pressure ranges
- Numerous modifications available

44-1100 Series High Pressure



Flow Charts



Part Number Selector

example part number:

44-11 1 1 - 2 4 [BLANK]

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGE	PORT TYPE	PORT SIZE	OPTIONS
44-11	1 – Brass (6000 max. inlet) 2 – 303 Stainless Steel (10,000 max. inlet) 6 – 316 Stainless Steel (10,000 max. inlet)	1 – 0-500 PSIG 2 – 0-800 PSIG 3 – 10-1500 PSIG 4 – 15-2500 PSIG 5 – 25-4000 PSIG 6 – 50-6000 PSIG	2 – NPT	4 – 1/4"	[BLANK] – None - 001 – Non-Venting, Viton® O-Rings - 002 – Non-Venting, Filter Removed - 150 – Urethane O-Rings (CO ₂ Service)

Repair Kits, Accessories & Modifications may be available for this product. Please contact Tescom for more information.



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the **Tescom Safety, Installation & Operation Precautions**.

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