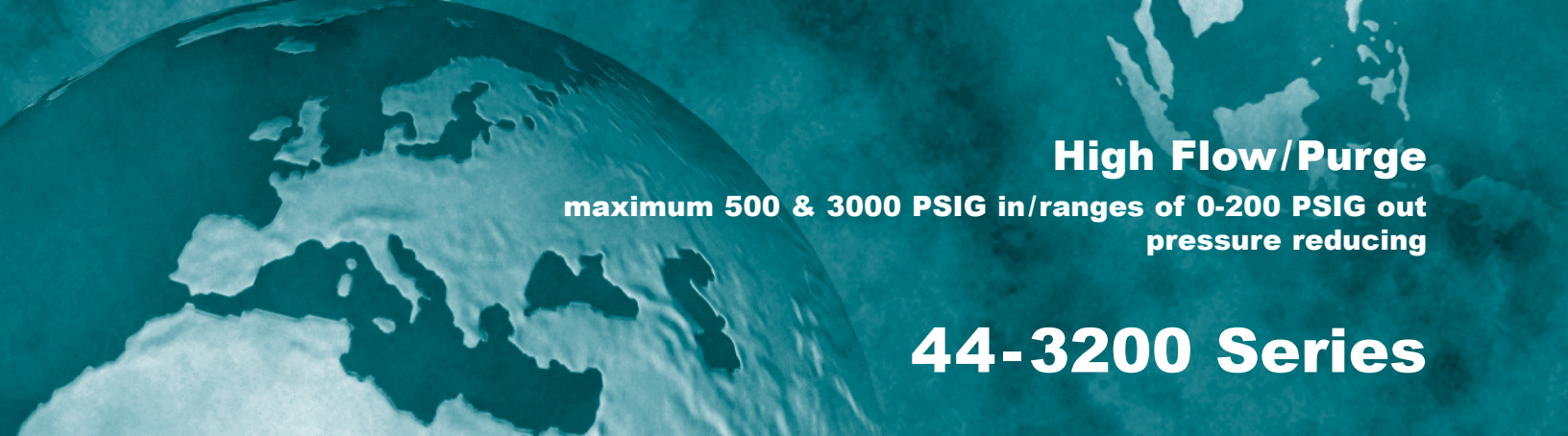




# High Flow/Purge

maximum 500 & 3000 PSIG in/ranges of 0-200 PSIG out  
pressure reducing

## 44-3200 Series

### Specifications

- ❑ Operating Parameters
    - pressure rating per criteria of ANSI/ASME B31.3
    - maximum rated inlet pressure . . . 500, 3000 PSIG
    - outlet pressure ranges . . . . . 0-25, 0-50, 0-100,  
0-150 & 0-200 PSIG
    - design proof pressure . . . 150% of rated pressure
    - leakage:
      - internal . . . . . bubble-tight
      - external . . . . .  $< 2 \times 10^{-8}$  atm cc/sec He
    - operating temperature . . . . . -40° F to +165° F  
(-40° C to +74° C)
    - flow capacity . . . . .  $C_V = 1.0$   
(optional  $C_V = 1.8$ )
  - ❑ Media Contact Materials
    - body . . . . . brass, 316 Stainless Steel
    - bonnet . . . . . nickel plated brass
    - diaphragm . . . . . 316 Stainless Steel
    - seat: 3000 PSIG inlet . . . . . CTFE
    - 500 PSIG inlet . . . . . Teflon®
    - retainer, seat . . . . . Nitronic 60
    - seal . . . . . Teflon®
    - remaining parts . . . . . 316 Stainless Steel
- For other materials and modifications, please consult Tescom.*
- ❑ Cleaning . . . . . CGA 4.1 and ASTM G93
  - ❑ Weight (without gauges) . . . . . 3.5 lbs. (1.6 kg)

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

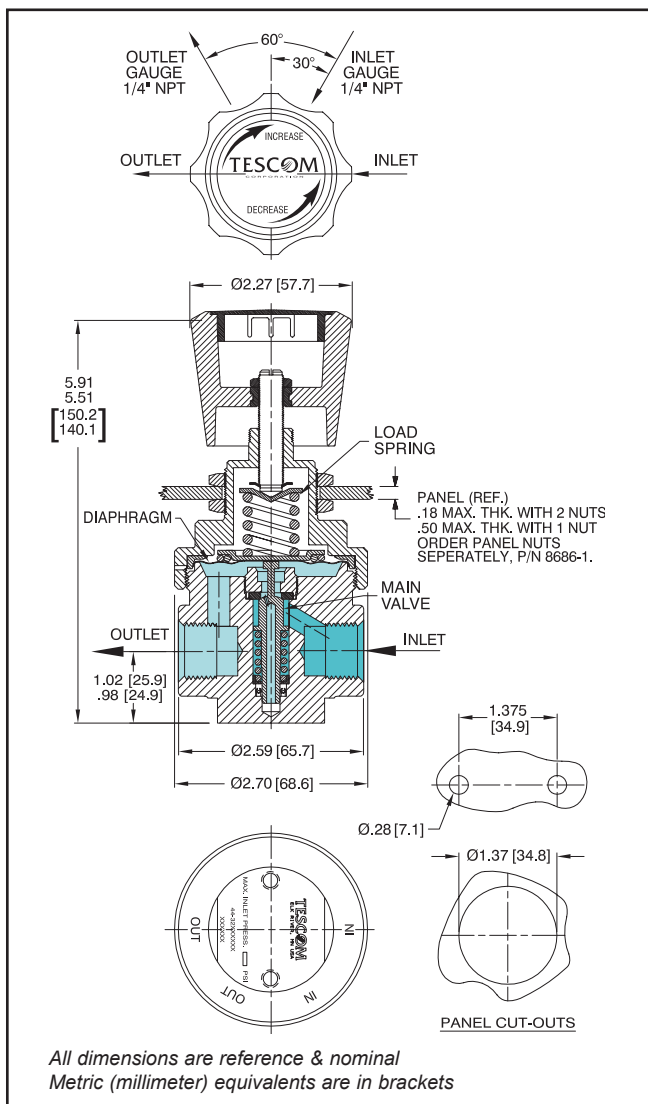
*Teflon® is a registered trademark of Du Pont.*



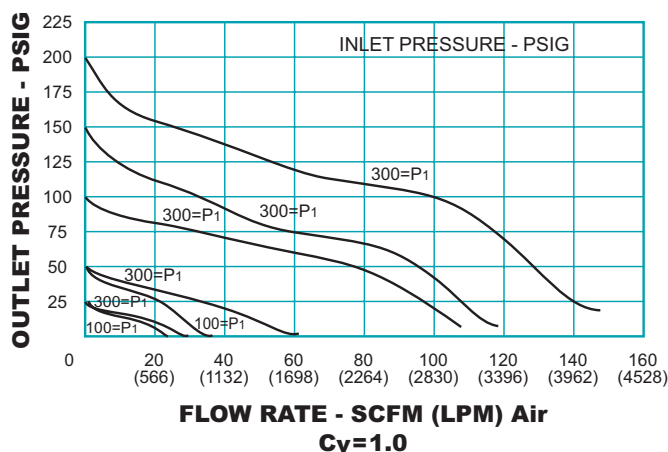
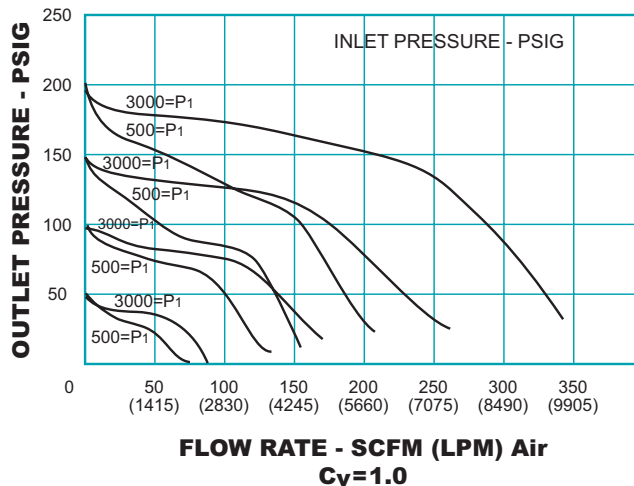
### Advantages

- Available in 316 Stainless Steel or brass
- Choice of inlet pressure ratings: 500 or 3000 PSIG maximum
- Five outlet pressure ranges available
- Gauge ports standard
- Optional High Flow model ( $C_V = 1.8$ ) available
- Panel mounting option
- Non-venting standard

# 44-3200 Series High Flow/Purge



## Flow Charts



### OPTIONS

- 001** - One 1/4" gauge port @ 90°, Cv = 1.0
- 296** - One 1/4" gauge port @ 90°, Cv = 1.8

## Part Number Selector

example part number:

**44-32 6 1 J 2 8 1 -**

| BASIC SERIES | BODY MATERIAL                  | OUTLET PRESSURE RANGES | SOFT GOODS         |                                    | INLET & OUTLET PORT TYPE | INLET & OUTLET PORT SIZE           | MAXIMUM INLET PRESSURE                      |
|--------------|--------------------------------|------------------------|--------------------|------------------------------------|--------------------------|------------------------------------|---------------------------------------------|
|              |                                |                        | SEAT               | SEAL                               |                          |                                    |                                             |
| <b>44-32</b> | <b>1</b> - Brass               | <b>0</b> - 0-25 PSIG   | <b>H</b> - Teflon® | Teflon®, o-ring                    | <b>2</b> - NPT           | <b>6</b> - 3/8"<br><b>8</b> - 1/2" | <b>1</b> - 3000 PSIG<br><b>3</b> - 500 PSIG |
|              | <b>6</b> - 316 Stainless Steel | <b>1</b> - 0-50 PSIG   | <b>J</b> - CTFE    | Teflon®, spring energized lip seal |                          |                                    |                                             |
|              |                                | <b>2</b> - 0-100 PSIG  |                    |                                    |                          |                                    |                                             |
|              |                                | <b>3</b> - 0-150 PSIG  |                    |                                    |                          |                                    |                                             |
|              |                                | <b>4</b> - 0-200 PSIG  |                    |                                    |                          |                                    |                                             |

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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