

**Two Stage/Positive Seal**  
maximum 3000 PSIG in/4 ranges up to 150 PSIG out  
sensitive/pressure reducing

## PS-3400 Series

### Specifications

#### ❑ Operating Parameters

pressure rating per criteria of ANSI/ASME B31.3  
maximum rated inlet pressure . . . . . 3000 PSIG  
outlet pressure ranges . . . . . 0-25, 0-50, 0-100 &  
0-150 PSIG  
design proof pressure . . . . . 150% maximum  
rated pressure  
leakage:  
internal . . . . . bubble-tight  
external . . design to meet:  $< 2 \times 10^{-8}$  atm cc/sec He  
operating temperature . . . . . -40° F to +165° F  
(-40° C to +74° C)  
flow capacity . . . . .  $C_v = .05$   
maximum operating torque . . 30 in.-lbs. (3.4 Nm)  
decaying inlet characteristic . . . . . .06 change/  
100 PSIG inlet

#### ❑ Media Contact Materials

body . . . . . 316 Stainless Steel  
bonnet . . . . . 316 Stainless Steel  
diaphragm . . . . . 316 Stainless Steel  
seat . . . . . CTFE (1st stage), PFA (2nd stage)  
friction sleeves: outer . . . . . 316 Stainless Steel  
inner . . . . . PTFE  
remaining parts . . . . . 316 Stainless Steel

*For other materials and modifications, please consult Tescom.*

❑ Connections . . . . . 1/4" NPT

❑ Cleaning . . . . . CGA 4.1 and ASTM G93

❑ Weight (without gauges) . . . . . 3 lbs. (1.35 kg)

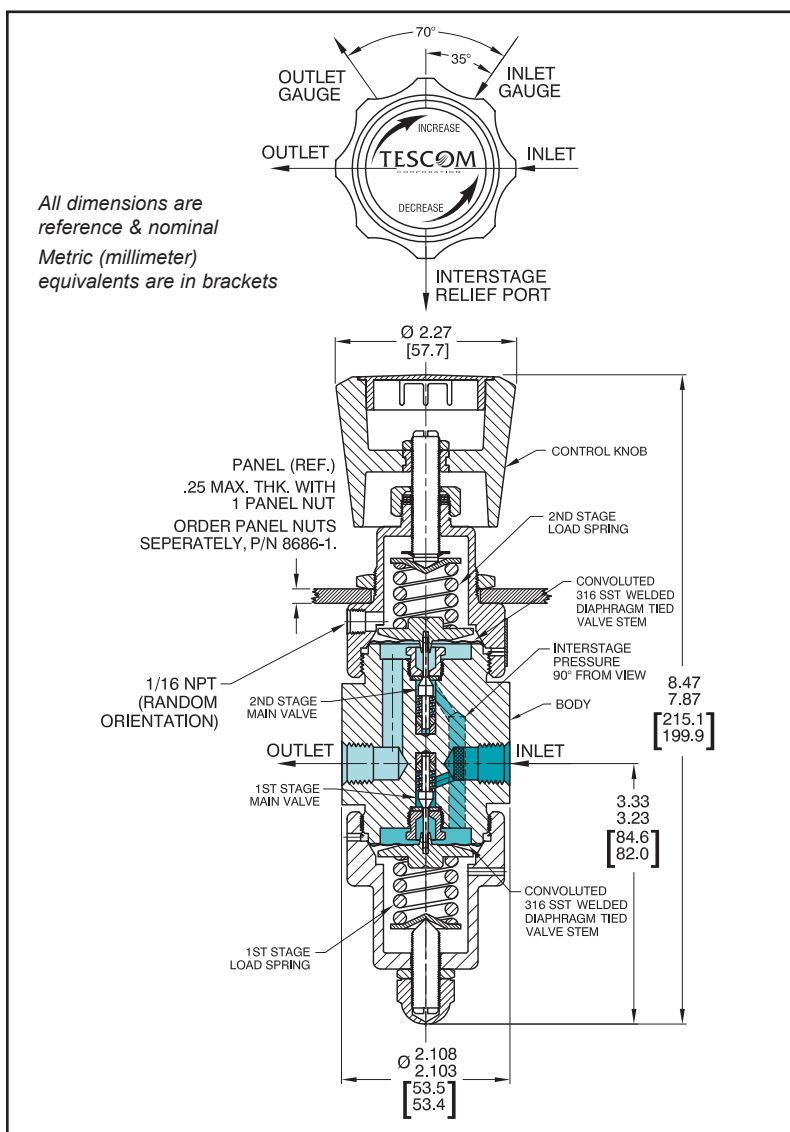
**Pressure Conversion** 14.5 PSIG = 1 bar 145 PSIG = 1 MPa



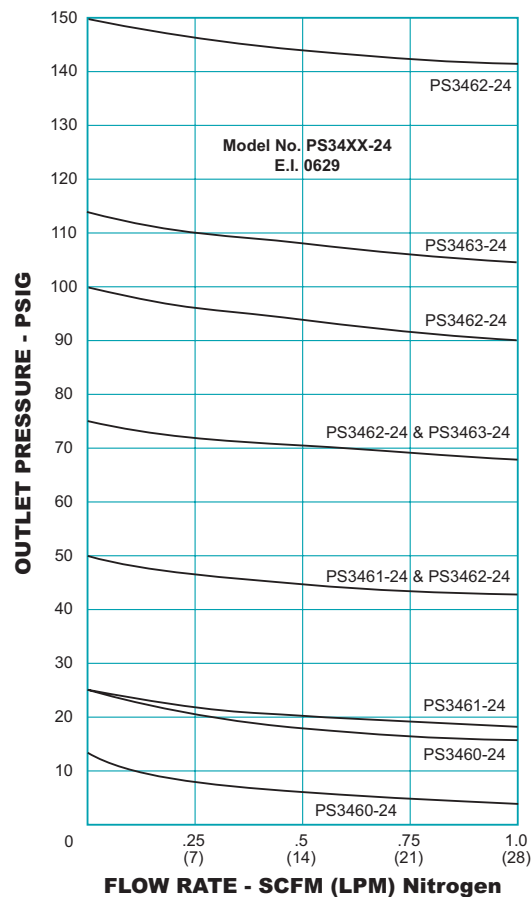
### Advantages

- Excellent decaying inlet characteristic: .06/100 PSIG inlet change
- Positive seal design
- Captured bonnet ports
- Both diaphragms are convoluted for greater accuracy and sensitivity
- Metal to metal diaphragm to body seal and diaphragm to valve link enhance sealing integrity

# PS-3400 Series Two Stage/Positive Seal



## Flow Chart



## Part Number Selector

example part number:

**PS34**      **6**      **0**      **-**      **2**      **4**

BASIC SERIES	BODY MATERIAL	OUTLET PRESSURE RANGES	INLET & OUTLET PORT TYPE	INLET & OUTLET PORT SIZE
<b>PS34</b>	<b>6</b> – 316 SST	<b>0</b> – 0-25 PSIG <b>1</b> – 0-50 PSIG <b>2</b> – 0-100 PSIG <b>3</b> – 0-150 PSIG	<b>2</b> – NPT	<b>4</b> – 1/4"

*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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Form No. 1793 Rev. 1/07 Printed 1/07 5M Printed in the U.S.A.



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