

## Model 123 “FILTER-MINDER” PISTON-TYPE Differential Pressure Gauge

HIGH RANGE: 0-150 P.S.I.D. TO 0- 400 P.S.I.D. (10.3 bar To 27.6 bar)

### Gauge Features

- Range: 0-150 PSID thru 0-400 PSID (10.3 bar thru 27.6 bar)
- Working pressure 5000 P.S.I.G. (340 bar).
- Over-range protection to 5000 P.S.I.G.
- Aluminum or 316 / 316L SS Gauge Body.
- Wetted 316 SS and Ceramic moving components.
- Weather-resistant construction standard.
- Accuracy  $\pm 3-2-3\%$  standard.
- Optional Shatter Resistant lens
- 2 1/2" and 4 1/2" plastic dial assemblies.
- Optional 4 1/2" Anodized Aluminum dial assembly.
- Reverse pressure ports available.
- Five Year Limited Warranty.



2 1/2" Dial



4 1/2" Dial

### Switch Features

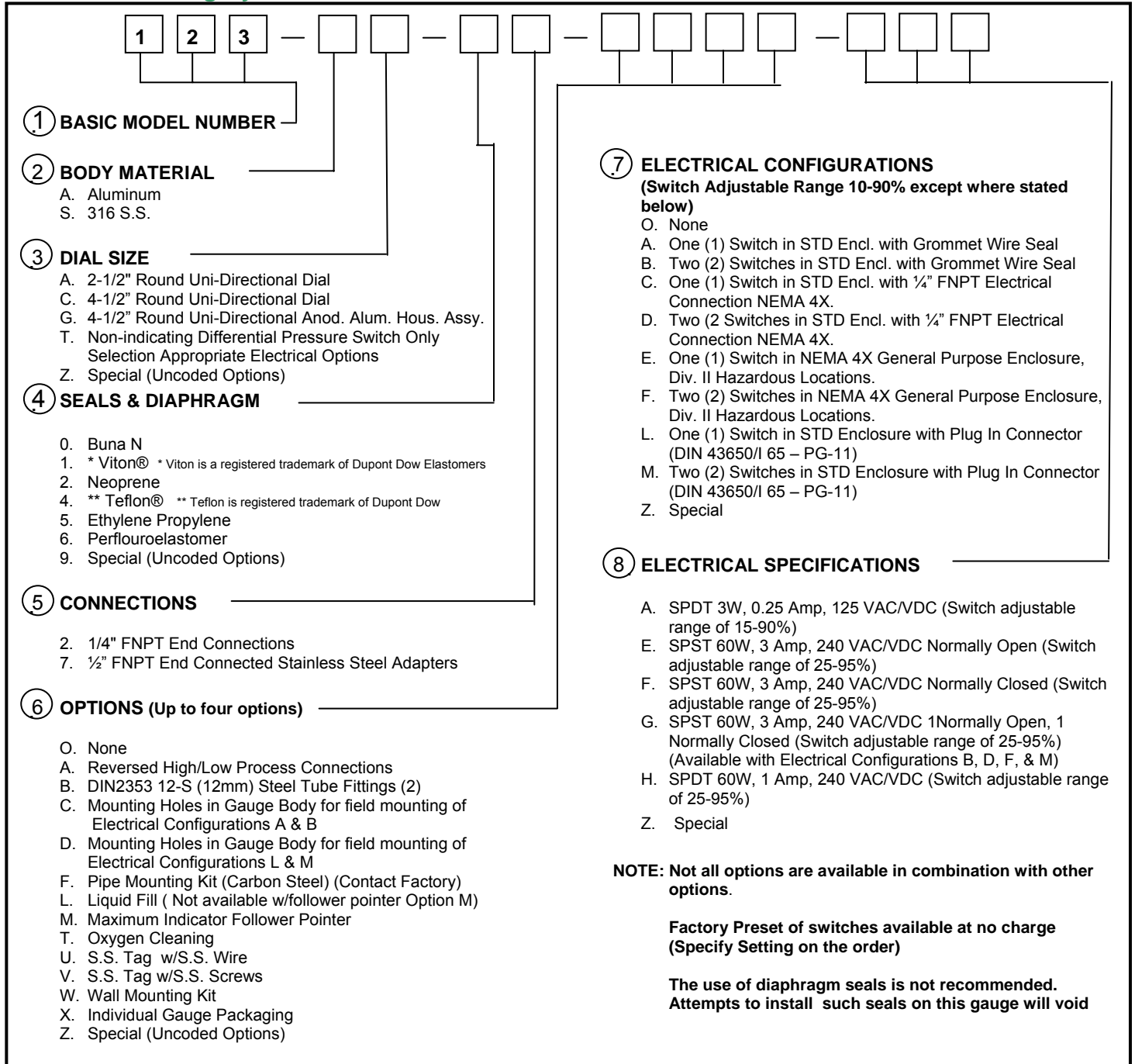
- Hermetically Sealed Switch Outputs up to 3 amps in SPST configuration and up to 1 amp in SPDT configuration.
- SPST outputs available in Normally Open or Normally Closed configurations.
- Up to two independent adjustable switch points.
- Switch Adjustable from 15% - 95% of Range \*
- Up to 240 VAC/VDC voltage ratings
- **CE** Marked to requirements of the Low Voltage Directive
- Optional Configuration for Class I, Div 2, Group A, B, C, & D, Class II, Groups F & G Hazardous Locations. (Contact factory for UL & CSA Listing)

\* dependent on selected switch option.

**Operation:** Differential pressure is sensed by the movement of a piston magnet against a calibrated spring. The gauge pointer, outside the pressure housing, follows the movement of the piston magnet and indicates differential pressure. When equipped, magnetically operated reed switches, also located outside the pressure housing, actuate dependent upon the positional relationship between the reed switch and the internal magnetic piston. The reed contact(s) can be positioned to actuate within a defined percentage of the full-scale range of the gauge.

See Model 120 Bulletin for Dimensional Information

## Part Numbering System



**PROOF PRESSURE:** 10,000 PSI working pressure

**TEMPERATURE LIMITS:** -40° F (-40° C) TO + 200° F (+93° C) - These limits are based on the entire instrument being saturated to these temperatures. System (process) temperatures may exceed these limitations with proper installation. Contact our customer service representative for details.

**STANDARDS:** All Model 123 Series differential pressure gauges either to conform to and/or are designed to the requirements of the following standards:

ASME B1.20.1

ASME B40.1

CSA-C22.2 No. 14, and 213

UL Std. No. 50, 508, and 1604

NACE MR0175

NEMA Std. No. 250

SAE J514

EN-61010-1

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