

Schultz Engineered Products Model SC-5150 Direct Reading piston type differential pressure indicator is designed to accurately and reliability read differential pressure across filter vessels. The gauge consists of a spring corrosion resistant piston moving inside an annealed glass cylinder. Differential pressure is easily read from the top of the piston.

- Glass Cylinder Pressure tested to 1200 psi, To provide a safety factor of 4 at max operating pressure of 300 psi
- Thermal expansion characteristics of piston and cylinder are matched so binding does not occur during temperature variations
- Eliminates 3 way manifold and subtraction method of determining differential pressure
- Design provides automatic dampening against pressure fluctuations so calibration will not be affected
- Easily changed 10 micron filter on high pressure side of gauge protects internal components
- Housings available in black anodized aluminum or stainless steel
- 0-15 psi or 0-30 psi Differential Pressure indication ranges available
- Extremely Rugged housing protects internal components, acceptable for sustained vehicle usage.
- Optional flush mount unit available for panel installations.

## SCHULTZ DP GAUGE Specifications

Pressure: 300 psi max operating  
 Temperature: -40 F to + 160 F ( -40 C to + 71 C )  
 Accuracy: +/- 1/2 psi  
 Seals: Viton  
 Fittings: 1/4 N.P.T.

Materials in contact with Fuel: Aluminum, Stainless Steel, Glass, and Viton ( for S/S model delete aluminum )

## Ordering & Options

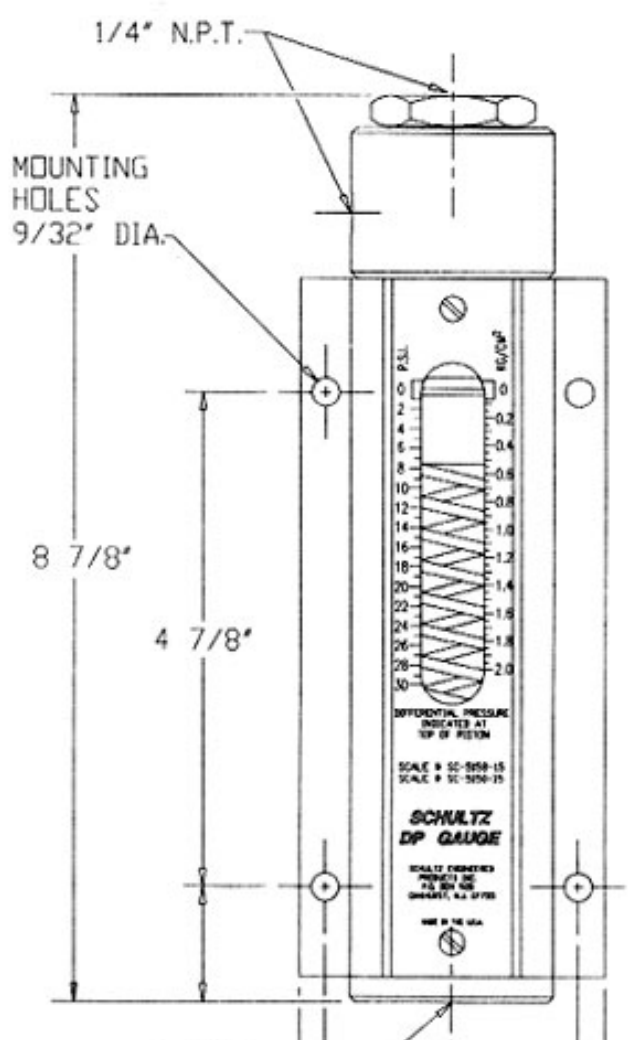
To order the Schultz DP Gauge, housing material and differential pressure indication range must be chosen. Chart below lists configurations and options.

Housing Material	Differential Pressure Indication Range	Part #
Aluminum	0-15 psi ( 0 - 1.0 kg/cm )	SC -5150 - 15
	0-30 psi ( 0 - 2.0 kg/cm )	SC -5150 - 30
Stainless Steel	0-15 psi ( 0 - 1.0 kg/cm )	SC -5150 - 15 - S
	0-30 psi ( 0 - 2.0 kg/cm )	SC -5150 - 30 - S

## Options

- Option A Ultraviolet shield for av gas use
- Option B 1/4 N.P.T. port located at the top of the gauge
- Option C Bar - KPa scale
- Option D Rearward facing 1/4 S/S three way valve and vent for 1/4 tubing
- Option E 1/4 S/S three way valve and vent for 1/4 tubing
- Option F S/S three way valve and vent for 3/8 tubing
- Option G Installation kit includes 16' copper tubing and brass fittings with mounting hardware and drill bit
- Option H Same as above except S.S tubing and fittings are used

## Notes on options:



If gauge is used for Av gas use option A this provides on ultraviolet shield to prevent accumulation of fuel dye inside cylinder (there is no charge at time of purchase).

Use option B for a 1/4 N.P.T. port in the hex head plug located at the top of the gauge for the installation of a system pressure gauge.

For flush mount/panel type installations use Option D, the high and low pressure 1/4 N.P.T. ports face rearward so connections are not visible.

To Conform to API 1581 use option E or F. A stainless steel three way valve with a vent tube is a provided so that the low pressure connection can be vented to the atmosphere to verify piston movement and position as per API Bulletin 1581 Instructions.

