

## EPV-B422

### 100mm Diameter Glycerine Filled Pressure Gauge

**Application:** For the measurement of fluid liquids that are not: Highly viscous, high temperature (over 60°C), Likely to solidify/crystallize or corrosive to copper or tin alloy. Also suitable for gases (except oxidising gases such as oxygen or acetylene) up to 25 Bar maximum. Glycerine filled gauges are particularly suited to applications where oscillating/surging pressures or vibration are present. The damping effect of the glycerine will steady the pointer making it easier to take a reading against the scale.



#### **Description:-**

**Nominal Size:** 100mm

**Accuracy:** +/- 1.6% FSD

#### **Scales:**

PSI Outer (Black) & BAR Inner (Red) - Pressure

HG Outer (Black) & BAR inner (Red) - Vacuum

HG+PSI Outer (Black) & BAR Inner (Red) - Compound

#### **Ranges:**

-30/0"HG Vacuum to 0/10000 PSI Pressure

-30"HG/+15 PSI to -30"HG/+160PSI Compound

#### **Mounting Options:**

Bottom - Direct mounting (Standard)

Bottom—Surface Mounting Rear 3 Hole flange

Centre Back - Direct mounting (Standard)

Centre Back—Panel Mounting Rear Bracket

Centre Back—Panel Mounting Front 3 hole flange

#### **Operating Temperature:**

Ambient: -20/60°C

Medium: 60°C Max

#### **Ingress Protection:**

IP65 as per EN 60529

**Case & Crimped Bezel:** 304 Stainless Steel

**Window:** Polycarbonate—Crystal clear

#### **Pressure Element:**

CU Alloy—Sealed bourdon tube

C-Type < 100 BAR

Coiled Type > 100 BAR

**Joints:** Soldered with tin/silver alloy

**Movement:** High precision Brass

**Pointer:** Aluminium—Black

**Dial:** Aluminium—White

#### **Process Connection & Block:**

Brass—3/8" BSP (Parallel) Male (Standard)

Brass—1/2" BSP (Parallel) Male (Standard)

Brass—22mm Hexagon block

**Filling:** High purity grade glycerine 99.5%

#### **Special Options:**

Other scales/range

Customer logo dials

Other process connections

Rubber Gauge cover

**Please note:** All information is sourced from manufacturer's data and is intended for guidance only — Essco Process Valves can accept no liability for changes, omissions or errors.

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