

## **Liquid Filled Pressure Gauge**



## 1. Description

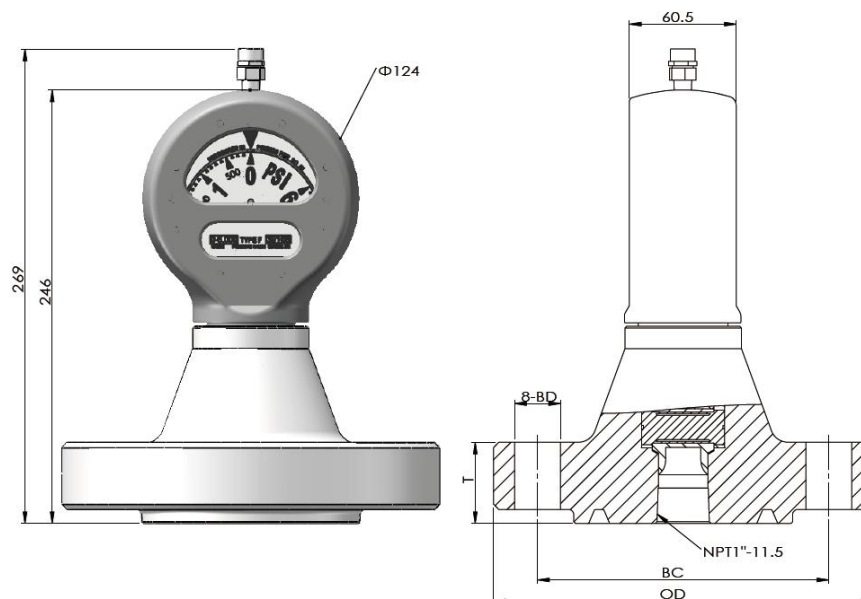
The TYPE F-F Liquid Filled Pressure Gauge main application is the measuring of pulsing pressure such as seen in mud pumps and standpipes, it can also be used for measuring steady pressure in other applications. The dampening parts of the Pump Pressure Gauge work in the whole pressure range of the gauge and no adjustment is necessary. The Pump Pressure Gauge indicates steady as well as large pressure changes equally well. The fluid inside of the gauge serves as a damper in high vibration applications and needs to be left in the gauge at all times. The Pump Pressure Gauge is protected from the medium being pumped at all times and no medium should ever enter the gauge which would cause damage to the gauge. The TYPE F-F series Pump Pressure Gauge is totally waterproof and is build to operate in the harshest environments.

## 2. Specifications

- |                                             |          |
|---------------------------------------------|----------|
| (1) Pressure range                          | Accuracy |
| 0-1000psi, 0-1500psi, 0-3000 psi, 0-5000psi | 2.5%     |
| 0-6000psi, 0-10000psi                       | 1.6%     |
| (2) Operation temperature: -25°C to +55°C   |          |
| (3) Gauge mounting: flange                  |          |
| (4) Application; Mud Pumps and Standpipes   |          |
| (5) Net weight : 14kg                       |          |

## 3. Dimensions and Functionality

- (1) These gauges use a tuning fork, fluid cell system as the main components. This system has proven to be the most reliable for these types of operating conditions.
- (2) Pump Pressure Gauge Dimensions.





(3) package: 35cm×28cm×24cm

#### 4. Installation and Operation Instructions

- (1) Apply thread tape to the male threads and install the gauge on the mud pump.  
**CAUTION, DO NOT WRENCH ON THE AREA DIRECTLY BELOW THE GAUGE FACE THAT IS MARKED WITH A “NO WRENCH HERE” STICKER AS THIS WILL SERIOUSLY DAMAGE THE GAUGE.**
- (2) Loosen the top screw on the gauge 1 full turn as this acts as a pressure relief.  
**FAILURE TO DO SO MAY RESULT IN BODILY INJURY IF THE GAUGE FAILS.**
- (3) The gauge should not be operated over the 2/3<sup>rd</sup> of full scale for extended periods of time.
- (4) The fluid in the gauge is PSX All Weather Gauge oil and should not be replaced with any other type of fluid as it may cause damage to the internals of the gauge. Please contact PSX if the gauge requires additional fluid.
- (5) Check the Pump Pressure gauge daily to ensure it is reading properly. The Pump Pressure Gauge should be replaced immediately if it is found not to be reading accurately.

#### 5. Ordering information

- (1) Please note gauge type, pressure range and flange size when ordering.
- (2) If measured medium is gas please specify clearly when ordering.