

Quick Disconnect Fitting for Pressure Sensors



Red Valve Pressure Sensors can be supplied with a Quick Disconnect Fitting between the sensor body and the pressure gauge. The Quick Disconnect Fitting is made entirely of brass, and features a pin and groove assembly to prevent the gauge from rotating. The fitting uses a sliding collar to lock the two halves firmly together and is designed to release less than .5 ml of fluid when disconnected. Fittings can be supplied on all Red Valve Pressure Sensors and retrofitted at the factory to existing sensors.

The main advantage of the Quick Disconnect Fitting is the ability to change the gauge without tools and without removing the sensor from the line. This allows the user to select different pressure ranges based on process conditions - for example, a static pressure test. Different accessories can also be substituted in place of the gauge, such as transmitters and switches.

The ability to quickly and easily replace a gauge is also important from a maintenance standpoint. Red Valve Pressure Sensors are highly sensitive instruments, calibrated to exacting specifications at the factory. Their accuracy can be affected by extreme pipeline vibration, resulting in false readings. They are also prone to damage by personnel, which can lead to sleeve damage if the fill fluid is allowed to drain. The Quick Disconnect Fitting allows a damaged gauge to be removed from the sensor while the fill fluid remains trapped in the sensor body to support the sleeve. A new gauge and fitting can be removed from inventory and snapped into place.



Quick Disconnect Fitting allows gauge to be removed with no tools, and no fear of damage to sensor sleeve.