

## Stainless Steel Case Gauges

SS/PI-03B

### THROTTLE PLUGS FOR 63MM & 100MM 1008S AND 2<sup>1</sup>/<sub>2</sub>" & 3<sup>1</sup>/<sub>2</sub>" 1009AW/SW GAUGES

Throttle plugs are an important method of extending gauge life when pulsation or spikes are present in the process being measured. Two plugs are available with the 63mm & 100mm 1008 and 2<sup>1</sup>/<sub>2</sub>" & 3<sup>1</sup>/<sub>2</sub>" 1009 product lines; the standard stainless steel push-in throttle plug with a .013 orifice and a helical throttle plug (also stainless steel) for the ultimate in suppression of spikes and pulsation.

Shown below are some details of these throttle plugs:

#### Description

- Push-in stainless steel throttle plug with a .013 orifice – standard on all liquid filled and **PLUS!™** Performance gauges with ranges from 30 psi to 1000 psi. If ordered as replacement part 112A393-01, installation involves inserting the plug into the communication hole and lightly tapping the flanged end with the handle of a screwdriver. The plug can be easily removed by drilling it out.
- Helical (stainless steel) throttle plug – standard on all liquid-filled and **PLUS!™** Performance gauges with ranges from 1500# and up. If ordered as replacement part 118A108-01, it is recommended the plug be installed using the 1230 kit as detailed in the gauge accessories and tools price sheet. The plug can be removed by drilling it out.

Although the presence of a throttle plug is very beneficial in cases where significant pressure pulsation and/or transient spikes are present, there are conditions under which the device should be avoided. These include applications involving particulate matter in the process fluid which, over time, may cause the throttling orifice to become blocked. Also a throttle plug is not recommended when response time is critical. Specify XWP to order a gauge without a throttle plug installed when the plug is standard for a particular configuration.

If a throttle plug is required on liquid-filled and **PLUS!™** Performance gauges with ranges below 30 psi, or any dry gauge, specify XTU for a stainless steel push-in plug with a .013 orifice or XTS for a helical plug.