Part Number:

# Fluid Seal Fitting

An O-ring and/or a compression ring are supplied with each fluid seal fitting. Either the O-ring or the compression ring may be installed as the seal. The O-ring is silicone rubber and is resistant to petroleum oils, and most hydraulic fluids. The compression ring is recommended where there is longitudal vibration or force on the probe.

## O-Ring Seal

1. Thread fluid seal fitting into mounting hole, using an open end or adjustable wrench to tighten.
2. Tighten sealing nut, turning clockwise, to apply slight pressure to O-ring seal, then back off approximately 1/2 turn to permit probe insertion through O-ring.
3. Insert probe, tip end first, through hole in sealing nut, push slowly through O-ring seal to approximate depth desired.
4. Tighten sealing nut, turning clockwise, to apply moderate pressure to O-ring seal. Use wrench to tighten. Adjustment of probe can be made when sealing nut is loosened.

## Compression Ring Seal

1. Thread fluid seal fitting into mounting hole to fit, using an open end or adjustable wrench to tighten.
2. Remove sealing nut and compression ring from fitting and slide them on probe.
3. Insert probe, tip end first, into fitting to approximate depth desired.
4. Slip compression ring into approximate location. Engage sealing nut on mating threads. Use wrench to tighten. DO NOT OVER-TIGHTEN. Adjustment of probe cannot be made after nut is initially tightened.

| Fluid seal fittings to 260°C (500°F) | | | | | | |
|---|---|---|---|---|---|---|
| | Body material | Thread "CH" | Process thread | Adder "A" (Total length) | Probe Ø inch (mm) | Model |
|  | Brass | None | 1/8 - 27 NPT | 1.2" min. (31 mm) | 0.188 (4.8) | FG143 |
| | | None | 1/4 - 18 NPT | | | FG140 |
| | | None | 1/8 - 27 NPT | | 0.215 (5.5) | FG126 |
| | | None | 1/4 - 18 NPT | | | FG120 |
| | | None | 1/8 - 27 NPT | | 0.250 (6.4) | FG151 |
| | | None | 1/4 - 18 NPT | | | FG130 |
|  | Stainless steel | 1/2 - 14 NPT | 1/2 - 14 NPT | 2.4" (61 mm) | 0.188 (4.8) | FG142 |
| | | | | | 0.215 (5.5) | FG122 |
| | | | | | 0.250 (6.4) | FG132 |