

Spear Mounted Overfill Sensor Installation

Part: 7276

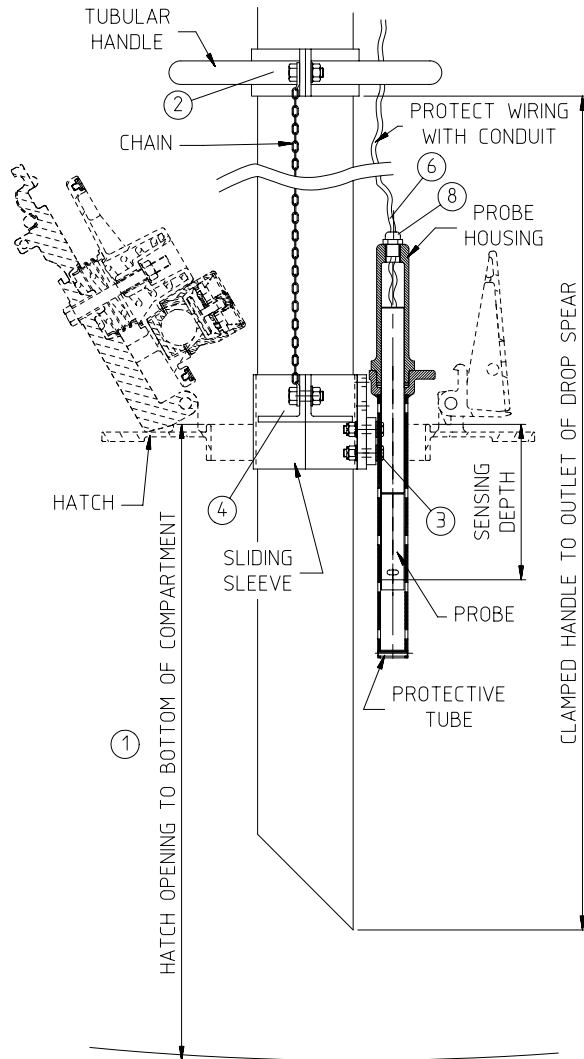


Figure 1

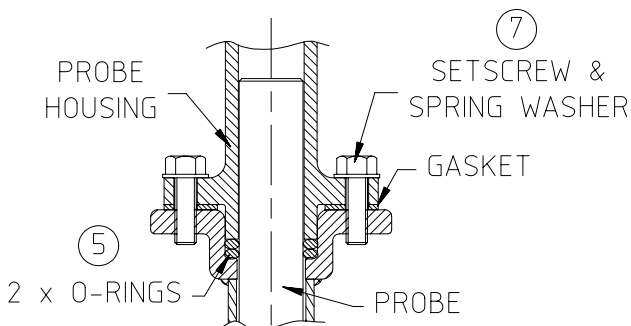


Figure 2

1. Determine approximate maximum distance from loading point on top of tanker (ie hatch) to the bottom of the compartment.
 Note dimension here: _____ mm.
 2. Bolt the top half of sensor fitting (i.e. tubular handle) the above dimension plus 100mm from outlet of spear ensuring one length of chain goes on the two outside bolts.
 3. Bolt probe protective tube to floating sleeve with square bracket as shown.
 4. Bolt other half of floating sleeve to this bracket ensuring chain lug goes on both outside bolts and that chain drops vertically without twisting.
 5. Insert 2 o-rings into probe mounting recess, sit gasket on top, then insert probe/extension assembly through the o-rings and down into the protective tube (See Fig 2).
 6. Feed probe wires back through conduit thread on probe housing as shown.
 7. While holding wires to maintain probe position, slide probe housing over protruding probe extension and screw onto probe mount.
- When screws have been tightened, o-rings will grip probe to stop movement & give a tight seal.
8. Finish off by sliding M16 cable gland over wires & screwing into top of probe housing. Connect probe wires to overfill monitor using screened wire, soldered or tool crimped wiring connections and protective conduit.

To operate, insert the drop spear into tanker compartment as far as it will go. The sliding sleeve will rest on hatch opening keeping the probe at the set sensing depth inside the compartment on any size tanker.