

Accessories

Counterflanges

The simplest method of installing any TriMod BESTA level switch of the Standard Range is to use our standard weld-on counterflanges. Table 33 shows the two different lengths of counterflanges and stud extensions available in C22.8 carbon steel or 1.4401 stainless steel. Please note that with the float modules in Table 24 on page 29, only the short counterflanges ($v = 38$ mm) can be used.

The standard counterflange is shaped to allow the following three options of welding.

- Butt welding on the wall of the tank with a hole diameter in the tank of 65 mm. The welding seam is at the front face of the flange end.
- Welding in a clearance hole of 76.1 mm in the wall of the tank. The welding seam is around the machined cylindrical surface of the flange end.
- Butt welding on to a 75 x 5 mm tube at the front face. In this case (ideal for thick tank insulation), lengths up to V max. = 150 mm are possible. However, to assure free float movement, a rod extension G1 of at least 100 mm is required.

Temperature range:

Material C22.8 (A105 equiv.): -10 to +400°C

Material 1.4401 (SS316 equiv.): -196 to +300°C

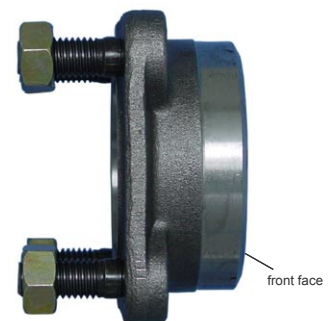
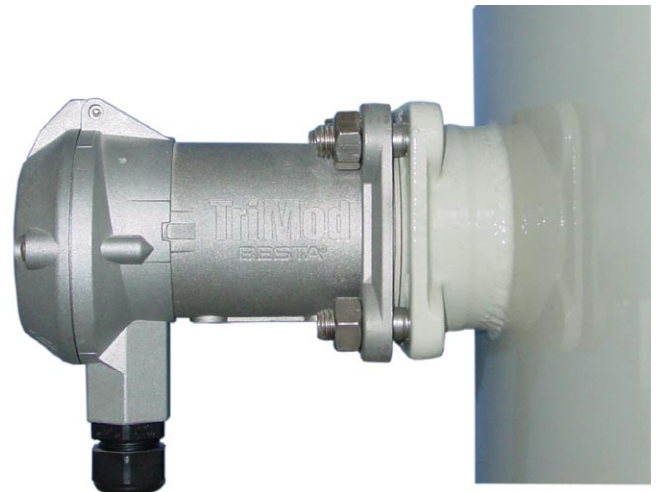


Table 33

| Type | Specification | Flange material | Stud material | Drawing |
|--------------------------|--|-----------------|---------------|---------|
| 2829.1 2831.3 | Counterflange | C22.8 1.4401 | 5.8 A 2 | |
| 2829.2 2831.4 | Counterflange with extended studs to accommodate a test actuator unit | C22.8 1.4401 | 5.8 A 2 | |
| 2829.1 V80 2831.3 V80 | Extended counterflange (e.g. thick tank insulation) | C22.8 1.4401 | 5.8 A 2 | |
| 2829.2 V80 2831.4 V80 | Extended counterflange with extended studs to accommodate a test actuator unit (for example for thick flange insulation) | C22.8 1.4401 | 5.8 A 2 | |