

Penetrators for PVHO Applications



OTAQ Connectors manufacture a range of penetrators suitable for manned vessels with a number of fitting options, 1/2"NPT, 3/4"NPT, 1"NPT, 1 1/4"NPT and a number of smoothbore options to suit customer requirements.

On the inboard side of the Penetrator we use Raychem 44 wire covered in a Low Smoke Zero Halogen Heat Shrink and outboard a Low Smoke PU Jacketed Cable or a Neoprene Jacketed Cable, if preferred.

The penetrator comprises of a glass filled epoxy insert, carrying the electrical conductors (gold plated brass) and housed within a Aluminium Bronze or 316 Stainless Steel shell. The insert is held in position using a threaded metal collar (Aluminium or Stainless Steel).

The NPT thread provided for mounting within the hull wall has been machined, cut and checked using an ANSI Step Limit Gauge.

The outboard cable and the over-moulding covering the cable entry into the Aluminium Bronze or 316 Stainless Steel shell is of polyurethane and cross linked with both the body shell and cable jacket. Cable entry may be in-line or at 90 degrees to the body axis.

All our penetrators are tested and you can choose to have the test witnessed, and certificates signed and stamped by DNV GL, Lloyds or ABS representative.



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