



# OFFSHORE TANK EQUIPMENT

Fort Vale equipment has been widely used on tanks transporting and storing chemicals, fuel, acids and waste cargoes in the offshore drilling industry since 1970s.

We have a range of fully-compliant equipment for all cargo applications for both vertical and horizontal tanks, as well as a complementary range of dry disconnect couplings.

Fort Vale offshore equipment offers you complete safety and reliability in demanding operating environments.

## SPARES AND ANCILLARIES

We supply a huge range of spares and ancillary items to complement our valves such as gauzes, caps and gauges, as well as consumable parts such as seals, gaskets, fasteners and burst discs. We also stock tank ancillaries such as catwalks and data plates.



**ACCEPT NO SUBSTITUTES**  
Fort Vale will always supply OEM seals and gaskets



**42X/6100XXXA\***  
460mm Pennine 2.67 Bar Manlid/  
Straight Neck Assembly  
**MANLID ASSEMBLY**

A manlid assembly allows access to the vessel for personnel to carry out inspection or repair to the tank shell.

Standard sizes are 460mm and 500mm. Neckrings can be straight or profiled with a compensating ring if required. We offer a choice of swingbolt assemblies and gasket materials. Within our range, we have assemblies to suit a wide variety of applications from foodstuffs to high-hazard cargoes. \*(X in part number denotes variable - options available)



**01B/XXXXX\***  
2 1/2" BSP Super Maxi Relief Valve with Manual Vent Button  
**RELIEF VALVE**

A relief valve is generally installed into the vapour space of a vessel. It is designed to protect the vessel from accidental over-pressure and from implosion due to unwanted vacuum conditions.

Depending on the application, relief valves can vary in connection size from DN20 (3/4") to DN125 (5") and can provide pressure only or combined pressure and vacuum relief.

Standard connections are flanged or threaded and we have a selection of hygienic fittings. We can manufacture lined and coated relief valves for corrosive cargoes, and we supply a wide range of ancillaries such as flanges, flame arresters, cowls, burst discs and manometers. \*(X in part number denotes variable - options available)



**INSPECTION HATCH**  
**14I/3100100A**  
170mm Inspection Hatch



An inspection hatch allows access to the vessel for product sampling or to insert CIP equipment.

Standard sizes are 170mm and 300mm. Neckrings can be straight or profiled with a compensating ring if required. We offer a choice of swingbolt assemblies and gasket materials. Within our range, we have assemblies to suit a wide variety of applications from foodstuffs to high-hazard cargoes.

## BOTTOM OUTLET ASSEMBLY

**29F/10520834F08**  
3" x 2" Offshore Outlet Assembly

Specifically designed to fit DNV 2.7-1 Chemical offshore tanks.



The bottom outlet assembly is fitted to the drain point of the vessel and is used to load and discharge cargo.

The bottom outlet assembly comprises of:

- 1 Primary closure - 3" NB 90° Footvalve with extended reduced outlet
- 2 Secondary closure - 2" NB ball valve
- 3 Tertiary closure - 2" BSP outlet and cap

The outlet pipe incorporates a 3/4" sampling point with firesafe ball valve fitted with a cap

The length of the assembly can also be made to suit customer requirements. The footvalve can be supplied with a replaceable seat. Other outlets connections are available: flanged, camlock, dry disconnect units.

## FOR HELIFUEL

**28F/00900490F00**  
3" 90° Helifuel Bottom Outlet Assembly

Specifically designed to fit DNV 2.7-1 Helifuel offshore tanks.

