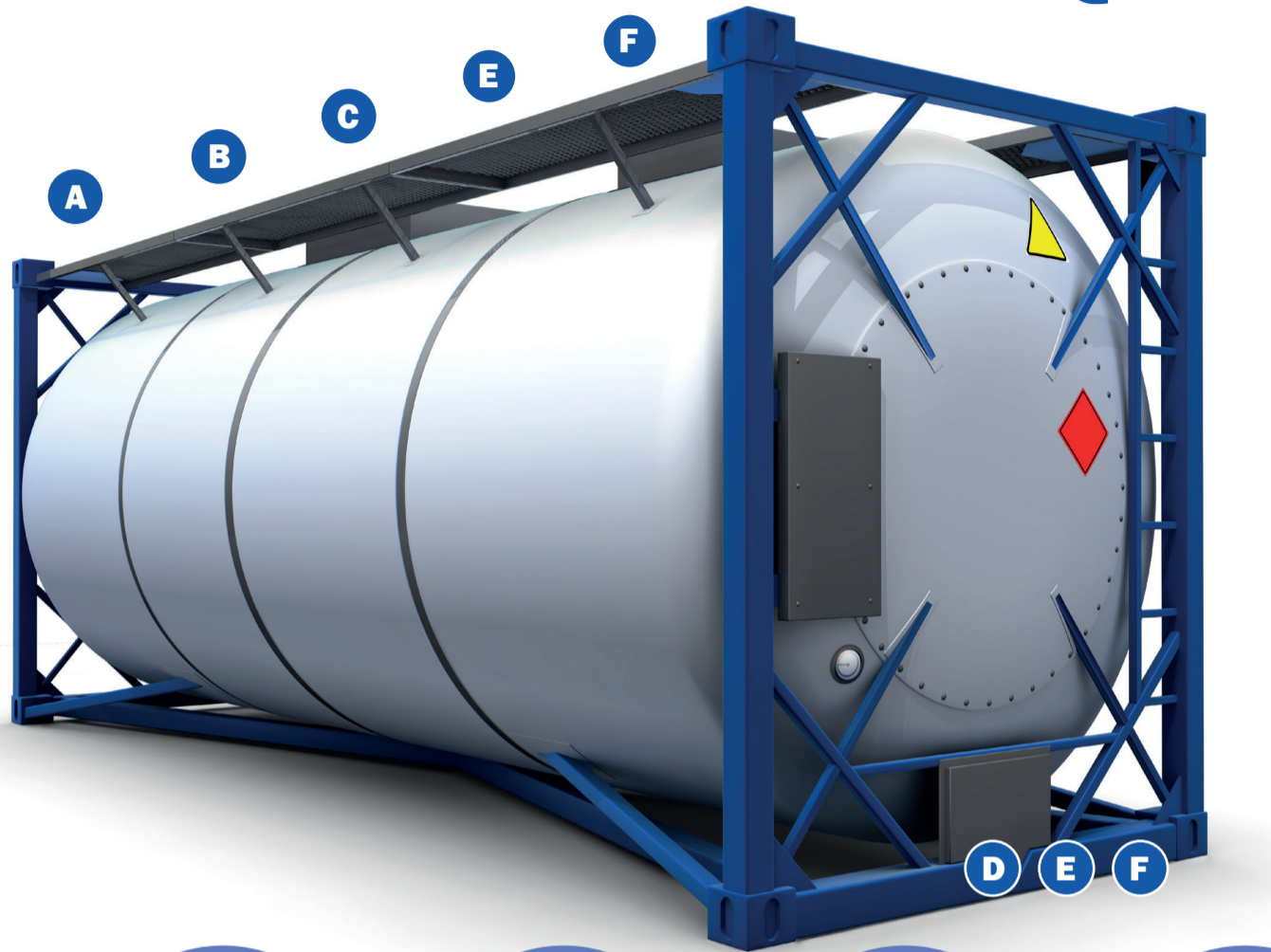


# LIQUID ISO TANK EQUIPMENT



**A**



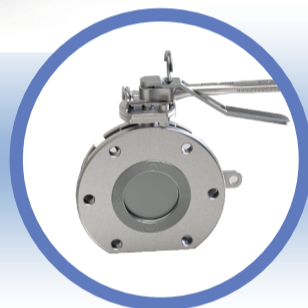
**B**



**C**



**D**



**E**



**F**

Fort Vale manufacture the most extensive range of tank container equipment for the diverse requirements of IMDG, ADR and RID general purpose road tankers.

As tanker technology becomes more sophisticated, we are designing valve systems to suit remote actuating needs, including increased safety features demanded by the market - we will work closely with you to develop customized solutions for your individual needs.

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, flanges and remote operation kits. We also manufacture PFA lined equipment for corrosive cargos.

**A Manlid Assemblies**

Standard sizes are 300mm and 500mm. Neckrings are low profiled with a compensating ring. 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 cargos.

**B Relief Valves**

Relief valves are 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.

We manufacture a range of relief valves to suit a variety of requirements, from tell-tale and breather applications to catastrophic relief protection.

Depending on the application, relief valves can vary in connection size from DN20 (¾") to DN80 (3") and can provide pressure only or combined pressure and vacuum relief. Standard connections are flanged, or threaded and we also have a selection of hygienic fittings.

**C Airline Valves**

An airline valve allows the vessel to be connected to a vapour line or compressed air supply to provide vapour recovery, to purge the tank or to accelerate cargo discharge. A 40mm or 50mm ball valve or butterfly valve is commonly used. We supply airline valves with threaded or flanged connections.

**D Bottom Discharge Foot Valves**

A footvalve is a primary internal closure valve that is fitted to the drain point of the vessel. It is used to load and discharge cargo in combination with a

secondary valve. Standard sizes are DN80 (3") and DN100 (4"). Both are available in 30°, 45°, 90° and 180° options. We offer footvalves with manual, pneumatic or hydraulic actuation.

You can choose between 2 main styles of footvalve: Cleanflow or Highlift. The Cleanflow style is also available as DN150 (6").

Fort Vale footvalves come with an alloy 625 valve seat as standard to minimise the risk of crevice corrosion and reduce associated M&R costs.

**E Butterfly Valves**

A butterfly valve is used for top loading/discharge, or as a secondary closure valve when in combination with a footvalve (primary valve), to load and discharge cargo. Our butterfly valves are available from sizes DN50 (2") through to DN150 (6"). Standard connections are flanged, or clamped.

**F Ball Valves**

A ball valve is used for top loading/discharge, or as a secondary closure valve when used in combination with a footvalve (primary valve) to load and discharge cargo. Our ball valves are available from sizes DN50 (2") to DN150 (6") with a flanged connection as standard. Low profile versions are available when space is limited on the tank.