



Producto distribuido por

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# Cryogenic Manifold Fill Assemblies

## Stainless Steel

### DN25 & DN40 (1" & 1½")

The Parker Bestobell cryogenic main fill valve manifold is specifically designed for cryogenic static storage tanks to replace the traditional gang of valves linked together with piping and a large amount of welding and brazing.

It is the joining together of four valves: top fill, bottom fill, check valve and drain valve. It is available in two sizes 25mm (1") and 40mm (1½").

The design makes it a simple valve to operate from the user perspective. The Manifold can be supplied with various inlet connections to suit customer requirements.

Located within the valve is a spring to close check valve to prevent back wash of media at the end of the filling cycle. A drain valve is fitted to release any trapped media in the fill block. A warm-up leg is also included for the connection of a thermal relief valve.

The unit is supplied ready to be fitted to the tank, with pipe specifications supplied by the customer.



DN40 Stainless Steel Manifold Fill Assembly

### Maximum Working Pressure (MWP)

Subject to end connections

Up to 50 bar (725 psi) at -196°C to +65°C  
(extended stem)

### Features

- A one piece body reduces the number of potential leak paths and simplifies the piping system
- The unique internal characteristics reduces the pressure drop and vessel filling time
- Complete valve assembly reduces the tank build time
- Check valve for additional safety
- Self-draining strainer prevents debris entering the system
- Bolted bonnet headworks allow for easy maintenance

### Technical

- Designed and engineered for use with Group 1 gases.
- Designed and manufactured in accordance with ASTM B31.1, BS EN 1626 and BS ISO 21011
- Optional full material traceability backed by BS EN 10204 3.1/3.2 certification.
- Manual operated inside screw globe valves, size range DN25 and DN40.
- Available with stainless stubs.

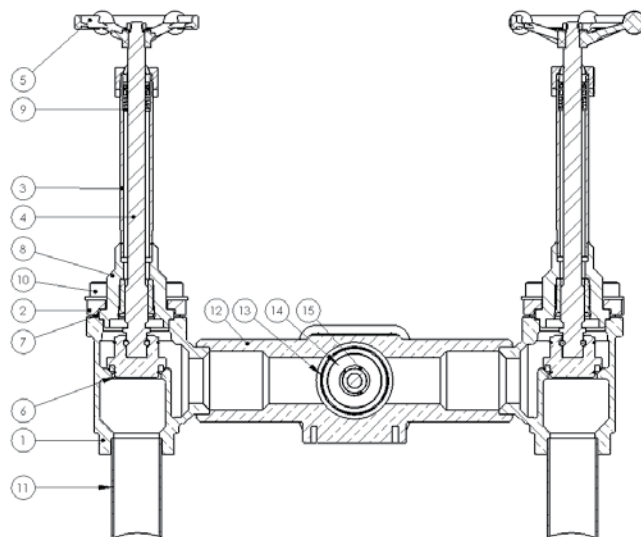
CE Marked according to the Pressure Equipment Directive



DN40 Stainless Steel Manifold Fill Assembly

## Materials

	<b>Stainless Steel</b>
1. Body	Stainless Steel ASTM A351 CF8M
2. Bonnet	Stainless Steel BS EN 10088-3 1.4401
3. Tube, Extension	Stainless Steel ASTM A312 TP 304L
4. Stem	Stainless Steel BS EN 10088-3 1.4401
5. Handwheel	Aluminium
6. Disc	HT Brass BS EN 12164 CW721R
7. Gasket	Sigma 511
8. Seal	PCTFE
9. Gland Packing	Virgin PTFE Sigma 511
10. Fasteners	Stainless Steel BS6105 A2/A4 Gr.70
11. Down Pipe	Copper ASTM B88
12. Central Body	Gunmetal BS EN 1982 CC491K
13. Strainer	Brass
14. Disc	HT Brass BS EN 12164 CW721R
15. Spring	PHOS BRZ BS EN 12163 CW451K

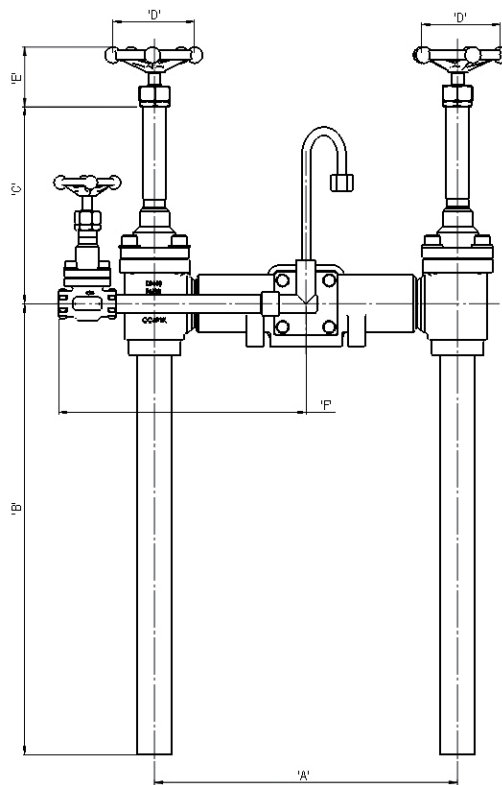


## Specifications

### Stainless Steel Stubs

Size	Unit	DN25	DN40
A	mm	295	301
B	mm	85	85
C	mm	230	230
D	mm	101	121
E	mm	90	90
F	mm	118	118
		Socket End To Suit 1" NB Schedule 10	Socket End To Suit 1½" NB Schedule 10

All dimensions / weights are approximate



## How to Order

Part Number	Valve Size - Diameter Nominal (DN)	Stubs Material	Options
CTS50PPD63CAL	DN25	Stainless Steel	With check function
CTS50PPD63CIN			Without check function
CTS70PPD63CAL	DN40		With check function
CTS70PPD63CIN			Without check function

Please contact us for other options.