

# Cryogenic Lift Check Valve

Bronze

DN6 - DN50 (1/4" - 2")

Parker Bestobell lift check valves feature bolted bonnet, integral seat and renewable PTFE disc, complete with bronze internals. The bronze body valves are available with Socket Ends or BSP Parallel/NPT threaded end connections and Stainless Steel stubs. The lift check is of a cone seat design for zero leak shut off.

The bolted bonnet allows for easy maintenance, even in confined spaces with lower bolting torques.

All valves are degreased for oxygen duty, assembled in clean room conditions and pressure tested prior to dispatch.



DN25 Bronze Lift Check Valve with Stainless Steel Stubs

## Maximum Working Pressure (MWP)

Subject to end connections

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

## Features

- Unique Parker Bestobell loose flange bolted bonnet design allows for thermal expansion and contraction and eliminates leakage at the bonnet gasket
- PTFE seal to ensure tight shut off at all times
- Designed and engineered specifically for cryogenic service
- Full bore
- Fast/easy maintenance of PTFE components

## 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.

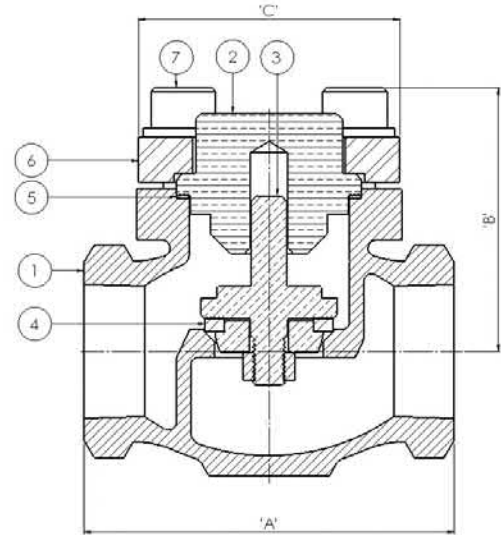
CE Marked according to the Pressure Equipment Directive.



DN15 Bronze Lift Check Valve with Socket Ends

## Materials

	<b>Bronze</b>
1. Body	Gunmetal BS EN 1982 CC491K
2. Cover	Stainless Steel BS EN 10088-3 1.4401
3. Disc	HT Brass BS EN 12164 CW721R
4. Seal	Virgin PTFE
5. Gasket Bonnet	Sigma 511
6. Bonnet Flange	Stainless Steel - ASTM A351 CF8M
7. Fasteners	Stainless Steel BS6105 A2/A4 Gr.70



## Specifications

Size	Unit	DN6 1/4"	DN10 3/8"	DN15 1/2"	DN20 3/4"	DN25 1"	DN40 1 1/2"	DN50 2"
A	mm	68	68	68	76	92	121	146
B	mm	51	51	51	60	71	84	107
C	mm	55	55	55	66	66	81	108
Cv	US GPM	3.6	3.6	3.6	6.2	13.2	26.5	43
Weight	kg	1	1	1	1.3	1.8	3.7	6.4
Opening Pressure	psi	0.37	0.37	0.37	0.37	0.37	0.24	0.21

Non Return  
Check Valves

## How to Order

The correct part number is easily derived from the following number sequence

<b>CGB</b>	<b>10</b>	<b>TA</b>	<b>B</b>	<b>0</b>	<b>C</b>
Series	Valve Size Diameter Nominal (DN)	Connection Type	Bonnet	Option	Seat Type
<b>CGB</b> Cryogenic Lift Check Bronze	<b>10</b> DN6 <b>20</b> DN10 <b>30</b> DN15 <b>40</b> DN20 <b>50</b> DN25 <b>70</b> DN40 <b>80</b> DN50	<b>TA</b> BSP-PL <b>TE</b> NPT <b>SST</b> Stainless Steel Stubs	<b>B</b> Bolted	<b>0</b> Without Spring	<b>C</b> Cone

Please contact us for other options.

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