

# Parker Product Datasheet



Parker non-return valves with nominal pressure ratings up to PN 420 bar offer a wide range of types, making them very flexible.

**PART NUMBER:** RHD10.2BCF  
**CONNECTION 1 SIZE:** G 1  
**CONNECTION 1 TYPE:** Female BSPP thread (ISO 1179-1)  
**PRODUCT SERIES:** Light  
**PRODUCT TYPE:** Non return valve port to port  
**SEAL MATERIAL:** n/a  
**CONNECTION 2 TYPE:** Female BSPP thread (ISO 1179-1)  
**CONNECTION 2 SIZE:** G 1  
**FLOW DIRECTION:** n/a  
**CONNECTION 1 TUBE OUTSIDE DIAMETER:** na mm  
**CONNECTION 2 TUBE OUTSIDE DIAMETER:** n/a  
**OPTIONAL ACCESSORIES:** n/a  
**NOMINAL INSIDE DIAMETER:** 19 mm

## PRODUCT OVERVIEW

Parker non-return valves with nominal pressure ratings up to PN 420 bar offer a wide range of types, making them very flexible.

The variety of types starts with the item RHD with tube connection both ends, the RHV/RHZ with tube connection to male stud, RHD1 with female thread both ends, RVP with valve cartridges up to the I-TL with valve internal parts.

The non return valves are available in steel, stainless steel and brass. Seals in NBR or FKM are available on request.

Parker non-return valves are all packed against contamination.

Parker non-return valves can be used for hydraulic oil, low flammability hydraulic fluids (except for types HFC: for HFD types; FKM seals are necessary). Air pressure tested. Not suitable for steam, combustible/explosive gases, or oxygen.

Markets:

- Automotive
- Defence
- Energy
- Environment
- Industrial
- Infrastructure
- Machine Tools
- Materials Handling
- Mobile
- Oil and Gas
- Power Generation
- Process
- Transportation
- Water

Applications:

- Suitable for general hydraulic applications.

Features/ benefits of non-return valves:

- The precise functioning of Parker non-return valves has been proven a million times over and stands for the reliability of this product range.
- Combined soft and metal sealing – leak-free due to soft sealing at cone and metal-supported sealing at cone – extends the safety of the product and the entire hydraulic application.
- The usage of Parker non-return valves is flexible due to the wide range of items.
- For yet more applications, internal parts in stainless steel with FPM are also available.
- Parker non-return valves are all packed against contamination, which improves the quality and reliability of these products.

## TECH SPECIFICATIONS

**MAXIMUM OPERATING  
TEMPERATURE**

+120 °C

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| <b>DIVISION</b>                      | High Pressure Connectors Europe Division |
| <b>MAXIMUM OPERATING PRESSURE</b>    | 250 bar                                  |
| <b>MINIMUM OPERATING TEMPERATURE</b> | -40 °C                                   |
| <b>CONNECTION 1 SIZE</b>             | G 1 inch                                 |
| <b>BODY MATERIAL</b>                 | Steel                                    |
| <b>CONNECTION 1 TYPE</b>             | Female BSPP thread (ISO 1179-1)          |
| <b>SEAL MATERIAL</b>                 | NBR                                      |
| <b>MAXIMUM FLOW RATE</b>             | n/a                                      |
| <b>MOUNTING TYPE</b>                 | Screw                                    |
| <b>ACTUATION TYPE</b>                | Mechanical                               |
| <b>CONFIGURATION</b>                 | n/a                                      |
| <b>CONNECTION 2 TYPE</b>             | Female BSPP thread (ISO 1179-1)          |
| <b>CONNECTION 2 SIZE</b>             | G 1 inch                                 |
| <b>CRACKING PRESSURE</b>             | 0.2 bar                                  |
| <b>CONNECTION 3 SIZE</b>             | n/a                                      |
| <b>FLOW DIRECTION</b>                | n/a                                      |
| <b>CONNECTION 3 TYPE</b>             | n/a                                      |