

# Non return valves and special valves

Flexible use and reliable



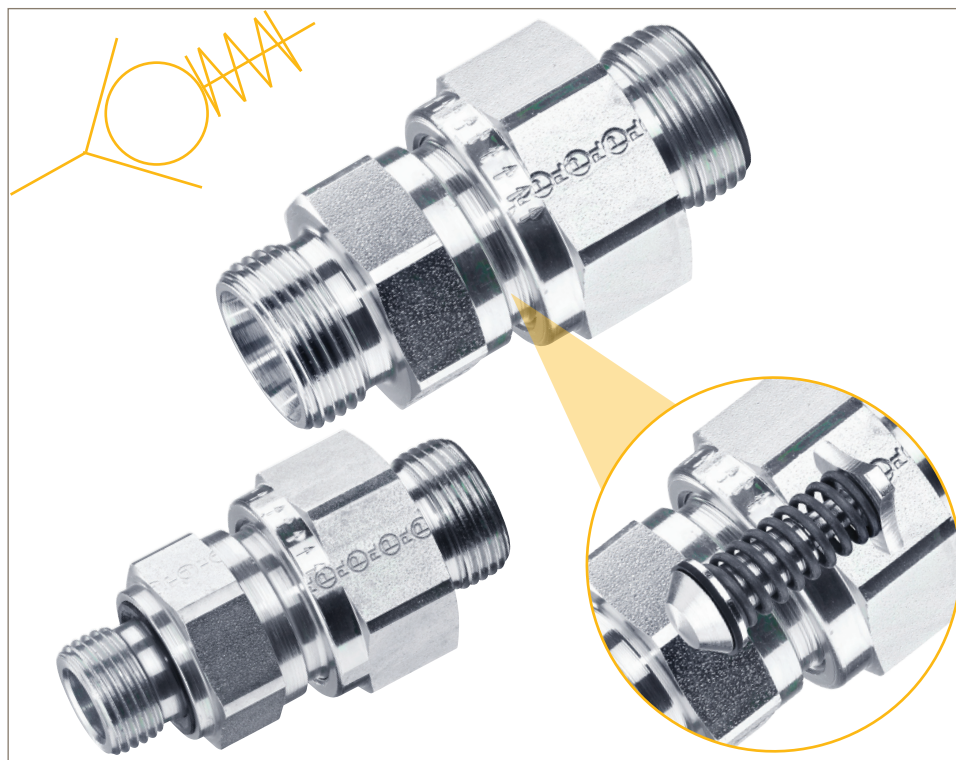
Non return valves from Parker High Pressure Connectors Europe (HPCE) have proven their worth millions of times over and offer a wide range of applications for in-line and block installation.

The HPCE portfolio includes valves (RHD, RHV, RHZ) with DIN 24° connection as well as the SAE variants with Triple-Lok® and O-Lok® in a variety of male threads and opening pressures.

The integrated spring-loaded soft seal at the cone ensures excellent sealing and reliable opening and closing characteristics.

The design with cone and passage disc is designed for optimum flow with low pressure drops.

The stroke limitation and shock absorption on the inside ensures a very low-wear and low-noise application.



## Technical Data:

- Available in Cr(VI)-free steel and stainless steel
- Available in tube sizes from OD 06 to 42 /  
Nominal size DN = 3.5 to 29 mm
- Male thread according to UNF (ISO 11926) and BSPP/ED (ISO 1179 or 9974)
- Available opening pressures: 0.2; 0.5; 1; 2; 3; 4; 5 and 6 bar
- Max. Flow velocity 8m/s
- Max. Operating pressure 420 bar

## Applications:

- Prevent the medium from flowing back after the pump has been switched off
- Preload valve to ensure a minimum pressure for the connected part
- Overflow valve in low pressure level (By-pass)
- By-pass valve for filter change
- Switching off a flow direction



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# Overview



**RHD - Non return valve with DIN 24° cone end**



**RHV / RHZ - Non return valves with DIN 24° cone end and male thread**



**RHHI - Valve with female BSPP thread**



**RVP - Valve cartridge for direct mounting in a valve block**



**ITL - Internal part of non return valve**



**SAE Valves O-Lok® and Triple-Lok®**



**WV - Alternating valve:** These valves permit the passage of flow from either inlet 1 or 2 to the outlet port whilst shutting off the inlet port not in use. The shutting off, of an inlet is achieved by a floating ball bearing which moves by the pressure of the flow.



**ELA/ELAE - Air-bleed valves**  
Hydraulic systems can effectively be bled with ELA air-bleed valves. Cost saving, as non-productive de-aeration time is saved.