

# BENCOR (Pty) Ltd.

Check valves

**HAWES**  
HYDRAULIK

## Screw-in check valves with hydraulic release type CRH and RHC

The screw-in check valves with hydraulic release, type CRH and RHC, are used in hydraulic circuits with design related leaking directional valves, as a hydraulically actuated drain, or idle circulation valves.

The valves, type RHC, with or without pre-release (for high pressure and high consumer flows) are designed as screw-in valves. Type CRH valves are designed as a valve cartridge. Many different versions are available to cover all requirements.

Both types can be screwed in mounting holes which can be easily machined with a standard drill (point angle 118°).



**Nomenclature:** Check valve with hydraulic release

**Design:** Screw-in valve

**Actuation:** Hydraulic

**p<sub>max</sub>:** 400 ... 500 bar

**Q<sub>max</sub>:** 8 ... 200 l/min

### Basic types and general parameters

Basic type and size	Flow Q <sub>max</sub> (l/min)	Oper. pressure p <sub>max</sub> (bar)	Release ratio p <sub>A</sub> / p <sub>Z</sub>	Mounting thread	Symbol
CRH 1	30	500	2,6	M 16 x 1,5	
CRH 2	50	500	2,6	M 20 x 1,5	
CRH 3	80	500	2,5	M 24 x 1,5	
RHC 1	15	500	2,6	M 16 x 1,5	
RHC 3	25	500	2,6	M 20 x 1,5	
RHC 3	55	500	2,5	M 24 x 1,5	
RHC 4	100	500	2,5	M 30 x 1,5	
RHC 5	150	400	2,8	M 36 x 1,5	
RHC 6	200	400	2,5	M 42 x 1,5	

### Additional versions

- Valve types with differing release ratio (approx. 4,2 : 1)
- Valve types with special seals for the actuation piston and / or mounting thread
- Valve types with hydraulically assisted actuation piston (independent from p<sub>B</sub>)
- Valve types with pre-release

### Order examples

#### CRH 3

Check valve with hydraulic release type CRH, size 3

#### RHC 5

Check valve with hydraulic release type RHC, size 5