

# BENCOR (Pty) Ltd.

Check valves



## Check valves with release type RH and DRH

The check valves with hydraulic release, type RH and DRH, are used for blocking one or two consumer lines, as hydraulically actuated drain valves, or idle circulation valves. The valves may be optionally equipped with a pre-release, for one or both connection sides, to prevent decompression surges in the event of high pressure and high consumer flows. The type DRH has many variations and options such as in-line design, manifold mounting design, shock valves, pressure limiting valves to prevent slow pressure rises, and a leakage port to prevent unintended opening of the valve due to pressure rises.

**Nomenclature:** Check valve with hydraulic release

**Design:** Individual valve for in-line installation  
Manifold mounting valve

**Actuation:** Hydraulic

**$p_{max}$ :** 700...400 bar

**$Q_{max}$ :** 15...160 l/min



### Basic types and general parameters

Basic type and size	Flow $Q_{max}$ (l/min)	Oper. pressure $p_{max}$ (bar)	Release ratio $p_{A(B)} / p_z$	Tapped ports A, B, C, D	Z	Symbol
RH 1	15	700	2,7	G 1/4	G 1/4	
RH 2	35	700	3	G 3/8		
RH 3	55	500	2,4	G 1/2		
RH 4	100	500	2,4	G 3/4		
RH 5	160	500	3	G1		
DRH 1	16	500	2,5	G 1/4	--	
DRH 2	30	500	2,5	G 3/8		
DRH 3	60	500	2,5	G 1/2		
DRH 4	90	400	2,5	G 3/4		
DRH 5	140	400	2,5	G1		

### Additional versions

- Check valves with release and pre-release type RH.V
- Double check valve with shock valves suited for hydraulic motors to prevent slow pressure rises
- Manifold mounting double check valve type DRH3P
- Double check valves with leakage port to prevent unintended opening of the valve due to pressure rises