

HYDRAULIC RELAY VALVE (HRV)

HIGH CAPACITY

Model 50HC

This 2-Way, single chamber, high capacity, hydraulic relay valve is a hydraulically operated, diaphragm actuated control valve that either opens fully or shuts off in response to pressure applied to its control chamber.

The High-Capacity HRV is commonly used in large valve control loops and may also be used as a standalone on/off hydraulic control valve.



Technical Data

Pressure rating: 25 bar

Minimum Operating Pressure: 0.3 bar

Working temperature: Water up to 80°C

Flow factor: Kv 3.8

Standard materials:

Body & cover: Stainless Steel 316

Elastomers: EPDM

Internals: Stainless Steel

Optional materials:

Elastomers: FPM (Viton®)

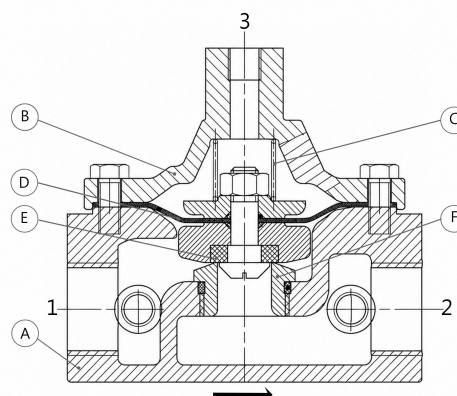
Dimensions:

Length: 105 mm

Height: 96 mm

Width: 95 mm

Weight: 1.8 Kg



Part	Description
A	Body
B	Cover
C	Spring
D	Diaphragm
E	Seal
F	Seat

Port	Size	Connections
1	Rc 3/4 (BSPT)	Inlet
2	Rc 3/4 (BSPT)	Outlet
3	1/8" NPT	Control Port