

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: 400 psi

Minimum Operating Pressure: 4.3 psi

Working temperature: Water up to 180°F

Flow factor: Cv 4.4

Standard materials:

Body & cover: Stainless Steel 316

Elastomers: EPDM

Internals: Stainless Steel

Optional materials:

Elastomers: FPM (Viton®)

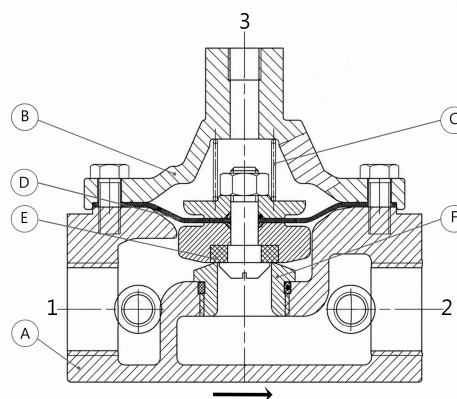
Dimensions:

Length: 4.13 in

Height: 3.78 in

Width: 3.74 in

Weight: 4 lb



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