

3-WAY HYDRAULIC RELAY VALVE (3W-HRV)

Model 54-P-Inbar

This Plastic 3-Way, Double chamber accelerator is a hydraulically operated, diaphragm actuated pilot valve that in response to pressure applied to its control chamber, directs flow and pressure between its ports:

- When pressure is applied to its control chamber, it connects port "3" to "4".
- When pressure is released from its control chamber, it connects port "2" to "4".

The Inbar can be used to either relay and accelerate a signal. (N. O.), or to reverse and accelerate a signal. (N. . C.).

Its also features Manual Override, The manual handle has three positions:

Position 1 – Opens the valve.

Position 2 – Closes the valve.

Position 3 – Auto / remote hydraulic command



Technical Data:

Pressure rating: 10 bar

Minimum operating pressure: 0.5 bar

Maximum temperature: Water up to 50°C

Tubing & Fittings: 8 mm

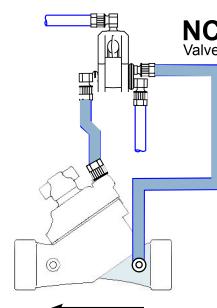
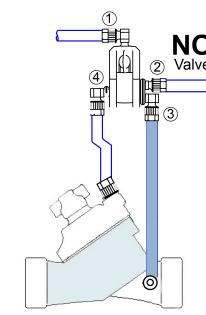
Standard materials:

Cover: Reinforced Plastic

Body: Reinforced Plastic

Elastomers: NBR (Optional: EPDM)

Internal Parts: Stainless Steel & Plastic



Connections:

Port	N.C.	N.O.
1	Command	Command
2	Upstream pressure	Vent
3	Vent	Upstream pressure
4	Control chamber	Control chamber

Optional Anti-Topographic Springs:

Spring Color	ΔH
Silver	0-10 m
Green	10-15 m

Standard spring - marked in bold

*Data refers to elevation differential along the control tube