DOROT Galit

Hydraulic accelerator, 3-way plastic relay-valve

The Galit is a 3-way, hydraulically operated, diaphragm actuated relay pilot-valve which is designed to meet the requirements of hydraulic valves control functions, particularly when fast reaction and relay signals are required. It can be used either as a N.O. or N.C.

Features

- A 3-way relay-valve designed for accelerate the response of the valve function
- Receives remote commands and activates the hydraulic valve as its location, thereby accelerates reaction time
- Integral 3 position manual-override
- Can be used either as a N.O. or N.C.
- Solves topographic height differences
- Tipically used in irrigation systems

Typical applications

- Hydraulic Remote Control Valve - RC
- Solution for topographic height differences

Technical data

General	
Pressure rating	10 bar / 150 psi
Operating pressure range	0.5 - 10 bar / 7 - 140 psi
Fluid temperature	50°C max. / 120°F max.
Weight	66 g / 0.14 lbs
Materials	
Body and bonnet	GPR
Elastomers	NBR
Internal parts	GRP / NBR
Spring	SST
Dimensions	
H (Height) max.	88 mm / 3.46"
W (Width)	58 mm / 2.3"
Port Connections	
1, 2, 3, 4	BSP ⅛"
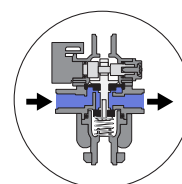
De-pressurized command
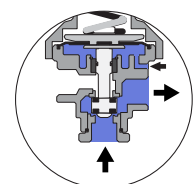
Pressurized command
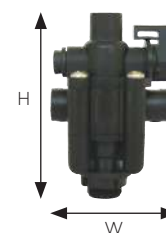
Installation

Main components

#	Description
1	Self flushing filter
2	Isolation ball valve
3	Galit Relay

Connections

Port	N.O	N.C
1	Pressure command	Pressure command
2	Upstream pressure	Vent
3	Vent	Upstream pressure
4	Valve control chamber	Valve control chamber

N.O. Galit - N.C. Main Valve
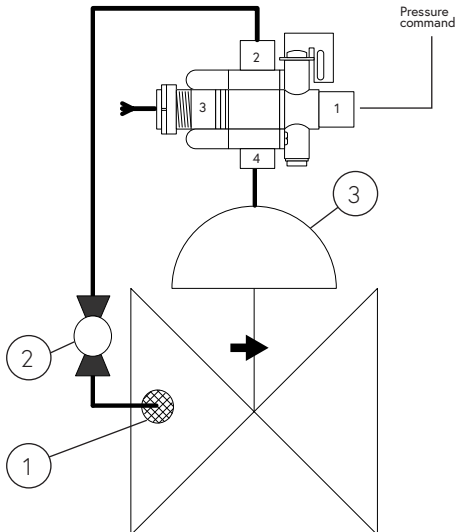
N.C. Galit - N.O. Main Valve
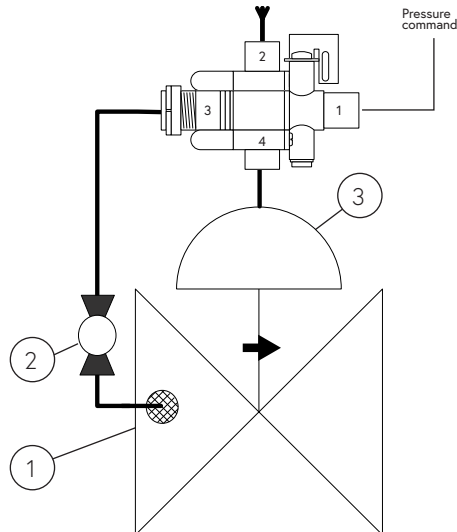
Sample drawing. Consult Dorot for the assembly design to fit your needs.

Springs adjustment range

Color	Galit N.O		Galit N.C	
	Meter	psi	Meter	psi
Yellow	5 - 10	7 - 14	5 - 10	7 - 14
Green	10 - 14	14 - 20	10 - 15	14 - 22
White	14 - 17	20 - 25	15 - 20	22 - 29
Red	17 - 22	25 - 32	20 - 25	29 - 36

Adjustment: Turn the adjusting screw clockwise to increase the set point