

GEVA 75 Solenoid Operator 2/2, 3/2 Way NC, NO

General Description

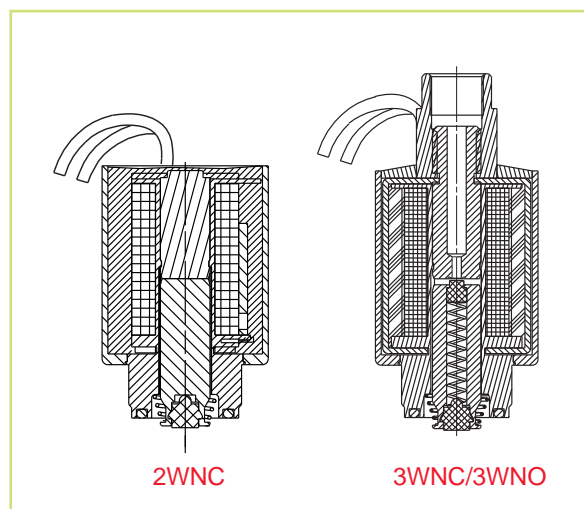
The 2/2, 3/2 Way, NC, NO operator is compatible with the 3/4-20 UNF operator seat. Epoxy encapsulated construction and exclusion of air assures complete sealing for the coil and lead wires entry. Wet metal parts are made of passivated Stainless steel for maximum corrosion protection.

An efficient design makes it possible to achieve high pressures with a low inrush and holding current and wide voltage tolerance.



Notes

Coils for other voltages are available, please contact our technical sales department.



How to Order

Example : G75-O-11021

Is a Geva 75 2WNC, 1/8"BSP, 1.2mm orifice, 24V AC solenoid operator.

G75-O	Function		Port		Orifice		Voltage	
	2WNC	1	None	00	None(for 2W)	0	24V AC	1
	3WNC	3	1/8"BSP	10	1	1	12V AC	3
	3WNO	4	1/8"NPT	11	1.2	2	12V DC	4
					1.6	3	24V DC	5
							110V AC	7

GEVA 75 Latch Solenoid Operator 2/2, 3/2 Way NC, NO

General Description

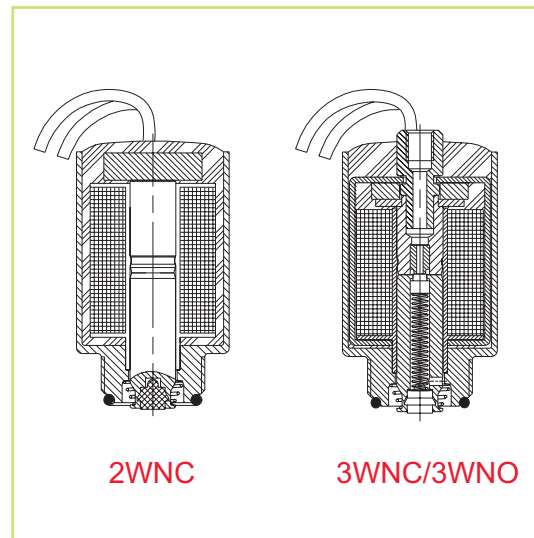
The 2/2, 3/2 Way, NC, NO operator is compatible with the 3/4-20 UNF operator seat.
Epoxy encapsulated construction and exclusion of air assures complete sealing for the coil and lead wires entry. Wet metal parts are made of passivated Stainless steel, for maximum corrosion protection.

The operator consists of one coil with exit of two lead wires. Electrical operation by reversing the current, by use of transistors or relays.



Notes

- To pull the plunger up, connect the black wire to the (-) and the green to the (+).
- Coils for other voltages are available, please contact our technical sales department.



How to Order

Example : G75 - O - 11022

Is a GEVA 75 2WNC, 1/8BSP
1.2, 9-12 VDC Latch solenoid operator.

G75-O	Function		Port		Orifice		Voltage	
	2WNC	1	None	00	None(for 2W)	0	9-12VDC Latch	2
	3WNC	3	1/8"BSP	10	1	1	24VDC Latch	6
	3WNO	4	1/8"NPT	11	1.2	2		
					1.6	3		

Technical Specifications

Voltage:	9 or 12 VDC
Resistance:	4.2
Capacitors:	4700µF for 9VDC, 220µF for 12VDC
Switching Time:	25-50 msec
Electric connection:	Lead wires 35cm (Black/Green)
Protection:	IP66
Ambient Temp:	Max 60°C
Fluid Temp:	Max 80°C

Materials

Housing:	Reinforced Nylon 66
Plunger and Pole:	Passivated AISI430F
Rubber Seat:	EPDM
Encapsulate:	Polyurethane

Working Pressure 2W NC

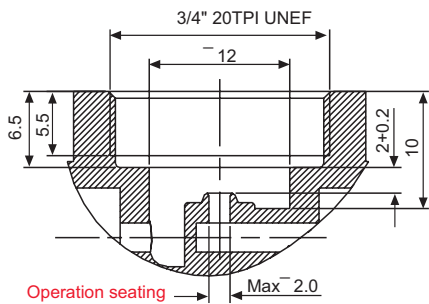
Orifice	up to 2.0
Pressure (bar)	12

Working Pressure 3W NC

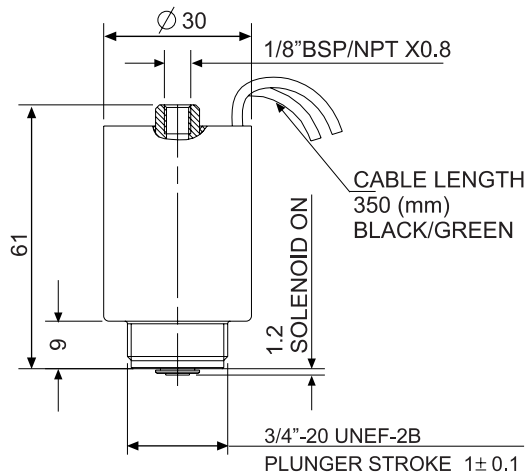
Orifice	1.0	1.2	1.6
Pressure (bar)	16	11	6

Working Pressure 3W NO

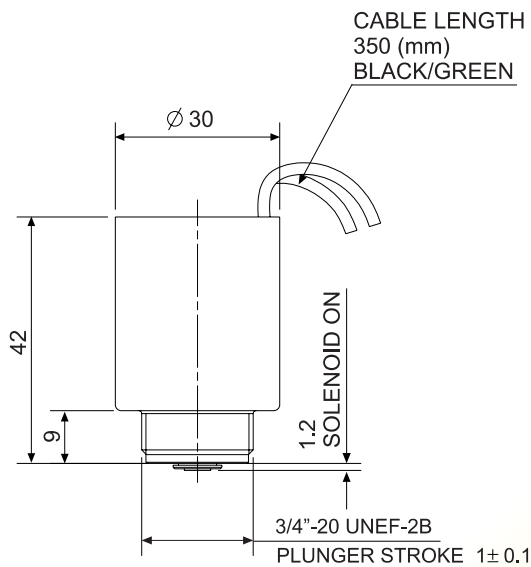
Orifice	1.0	1.2	1.6
Pressure (bar)	16	12	8



Dimensions



3WNC / 3WNO



2WNC

GEVA 75 1/8" Solenoid Valves

General Description

GEVA 75 1/8" solenoid valves are based on GEVA 75 operators mounted on a plastic base. These bases are available with or without flange, manual override as standard.

For AC / DC in a latch configuration, manual override will be supplied upon request.

Applications

They are specially designed for irrigation control systems.

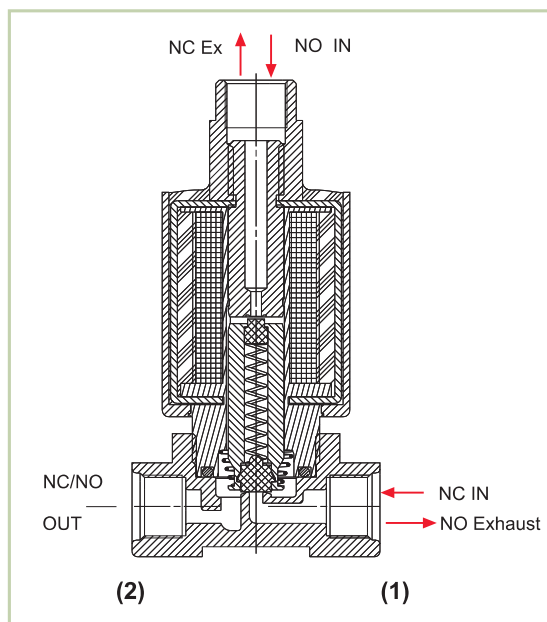
Notes

- Available with brass adaptor upon request.
- For other available voltages and to order valves manufactured to your specific requirements, please contact our technical sales department.

How to Order

Example : G75-A-110302-1

Is a GEVA 75 with flange, 1/8" BSP 3WNC, no manual override, 1.2 orifice, 24V AC coil.



G75-A	Type	Port	Function	Manual Override ⁽¹⁾	Orifice	Voltage	Wires
	with flange 1	1/8" BSP 10	2WNC 1	None 0	1 1	24VAC 1	two null
	without flange 2	1/4" BSP ⁽²⁾ 20	3WNC 3	Plastic 1	1.2 2	12VAC 3	three a ⁽³⁾
	Brass 3	1/8" NPT 11	3WNO 4		1.6 3	24VDC 5	
		1/4" NPT ⁽²⁾ 21				24VDC 5	
						24Latch(23Ω) 6	
						110VAC 7	
						6 Latch (4Ω) B	
						12 Latch (9Ω) C	
						16 Latch (12Ω) D	

(1) When ordering a latch valve, Manual override will be supplied only when specifically requested.

(2) BRASS only

(3) for Latch only

GEVA 80 Direct Operated 2/2 Way NC, NO

General Description

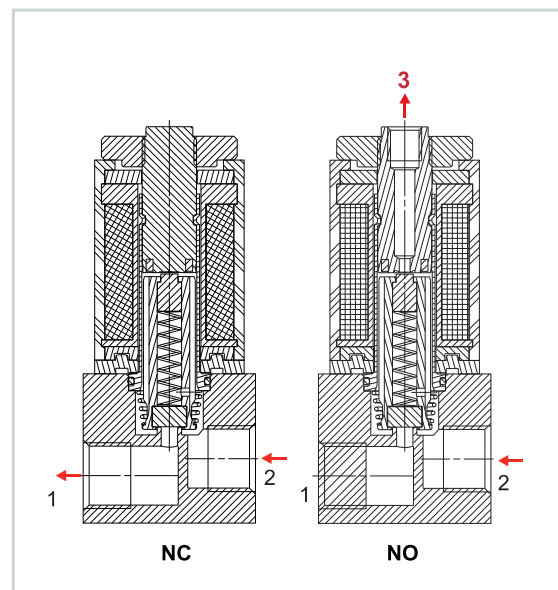
These valves are based on the GEVA 80 operator with 8mm diameter plunger. Due to its relatively low power consumption, the valve can be directly operated from an electronic controller.

The valves are used mainly in pneumatic applications as a pilot valve, but can be used for gas, water and light oils.



Notes

- Valves are 100% inspected at 10 bar. Valves for higher pressure are available upon special request. See table for maximum pressures.
- Valves for pressure higher than 12 bar are less manual override.
- The valves are AC or DC designated.
- The coil can be mounted in 4 positions, at 90° apart.
- The coil plug can rotate 2 positions at 180°.
- To order valves manufactured to your specific requirements, please contact our technical sales department.



How to Order

Example : G80-A-1s0011V0-020

Is a GEVA 80 direct operated valve, aluminium base with St.st tube, M5 port, 2WNC, 1mm orifice, Viton seals, without manual override, without coil, AC 6W 60Hz and without connector

Note: When ordering without coil, please define what current and pressure rating is needed (DC, AC).

G80-A	Body ⁽¹⁾	Port	Function	Orifice	Seals	Manual override	Voltage	Power	Connector
	Al 1	M5 00	2W NC 1	1 1	NBR N	None 0	W/out coil 0	No coil 0	without 0
	Brass 2	#10UNF 01	2WNO 2	1.2 2	Viton V	plastic 1	6 1	AC7.5W50Hz 1	with 1
	St.st 3	1/8"BSP 10		1.6 3	EPDM E		12 2	AC6W60Hz 2	with bi 2
		1/8"NPT 11		2 ⁽²⁾ 4	Kalrez ⁽³⁾ K		24 3	DC6.5W 3	color LED 3
				2.4 ⁽²⁾ 5			110 5	AC4W50Hz 4	with LED 3
				3.0 ⁽²⁾ 6			230 7	AC3W60Hz 5	& surge protection 3
							other 9	DC3W 7	other 9

(1) For St.st tube, add "s".

(2) NC only

(3) Kalrez O-ring is available only upon request.
When ordering Kalrez seals, please consult with our technical sales department about O-ring compound.

GEVA 75 Inline Electric Valve 3/4", 1", 1-1/2", 2" 2/2 Way, NC

General Description

GEVA 75 control valves provide high hydraulic performances in fluid control.

Both the efficient design and the advanced technology plastics they are made of, make the valves strong, with very low maintenance.

Notes

- Made of advanced technology plastices, synthetic elastomers, Stainless steel and plastics resistant to corrosion.
- They work in a wide range of pressures.
- Manual override in all the valves with internal draining.
- Progressive opening and shut off that prevents water hammer.
- Very low head loss with high flows.
- Easy maintenance. Total access to the internal parts from the cover of the valve.
- Wide range of possibilities such as electric valves, pressure regulating etc.



Applications

- Electric remote control
- Farm and gardening irrigation
- Advanced computerized irrigation
- Level control
- Filtration systems
- Fertilization systems
- Environmental control

How to Order

Example : G75-S-50151

Is a GEVA 75 3/4" BSPT inline electric hydraulic valve, 2WNC, with flow control, 24V AC.

G75-S	Port	Function	Manual Override	Flow control	Voltage	Wires ⁽³⁾						
	3/4" BSP	50	2WNC	1	None	0	with ⁽¹⁾	5	24VAC	1	two	null
	3/4" NPT	51			Plastic	1	without ⁽²⁾	6	12VAC	3	three	a
	1" BSPT	60			Handle	2			12VDC	4		
	1" NPT	61							24VDC	5		
	1" slip in	62							24Latch(23Ω)	6		
	1-1/2" BSPT	70							110VAC	7		
	1-1/2" NPT	71							6 Latch (4Ω)	B		
	2" BSPT	80							12 Latch (9Ω)	C		
	2" NPT	81							16 Latch (12Ω)	D		

(1) 3/4", 1", 1-1/2", 2" valves

(2) 3/4", 1" valves

(3) For latch only

GEVA 75 Inline Hydraulic Valve 3/4", 1", 1-1/2", 2" 2/2 Way, NO

General Description

GEVA 75 control valves provide high hydraulic performances in fluid control.

Both the efficient design and the advanced technology plastics they are made of, make the valves strong, with very low maintenance.

Notes

- Made of advanced technology plastics, synthetic elastomers, Stainless steel and plastics resistant to corrosion.
- They work in a wide range of pressures.
- Progressive opening and shut off that prevents water hammer.
- Very low head loss with high flows.
- Easy maintenance. Total access to the internal parts from the cover of the valve.
- Wide range of possibilities such as electric valves, pressure regulating etc.
- A "drill" body can be ordered upon special request.



Applications

- Electric remote control
- Farm and gardening irrigation
- Advanced computerized irrigation
- Level control
- Filtration systems
- Fertilization systems
- Environmental control

How to Order

Example : G75-S-5015

Is a GEVA 75 3/4" BSPT inline hydraulic valve, 2WNC, with flow control.

G75-S	Port	Function	Flow control
	3/4" BSP	2WNO	with
	3/4" NPT	1	without ⁽¹⁾
	1" BSPT		5
	1" NPT		6
	1" slip in		
	1-1/2" BSPT		
	1-1/2" NPT		
	2" BSPT		
	2" NPT		

(1) 3/4", 1" valves only