

# GEM-FLOW | G500-PS

## Pressure Sustaining Control Valve 1-1/2" - 4"

### Description

G500-PS model pressure sustaining hydraulic control valve maintains valve upstream pressure value constant. Valve is opened when line pressure reaches the preset pressure level. It ensures that pump motor within pumping systems will start without load. It also prevents positive pressure waves caused by pump during start-up. The valve controls upstream pressure value continuously and keeps it at a constant value without being affected from changes in flow rate. When no flow exists, it closes tightly by itself.

\* For technical information, refer to G75-A and G75-A3P solenoid valves



### Applications

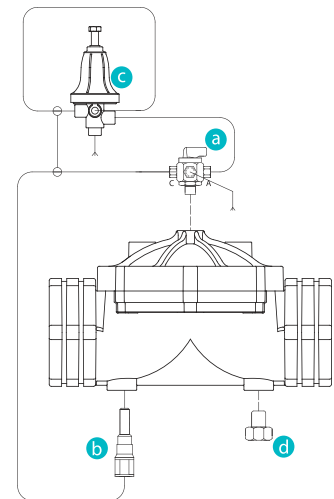
- Use G500-PS for maintaining a constant upstream pressure or to avoid unwanted high pressure

### Standards

- G500-PS: 3 Way plastic pressure sustaining pilot, polyethylene plastic tubing system and nylon fittings
- G500-PSM: 3 Way plastic pressure sustaining pilot, polyethylene plastic tubing system, nylon fittings and 3 Way selector
- Standard pressure adjustment from factory: 2.5 bar

### How to Order

G500	-	TYPE	-	PORT		VOLTAGE		WIRES		PRESSURE RANGE
		without Manual Selector	PS	1-1/2" BSPT	70	No solenoid (hydraulic)	0	two	null	0.5-5 bar Y
		with Manual Selector	PSM	1-1/2" NPT	71	24V AC	1	three <sup>(2)</sup>	a	1-10 bar G
				2" BSPT	80	24V AC w/out Diode	1R			
				2" NPT	81	12V AC	3			
				2-1/2" BSPT	85	12V DC	4			
				2-1/2" NPT	86	24V DC	5			
				3" BSPT	90	23Ω	6			
				3" NPT	91	4Ω	B			
				4" BSPT	100	9Ω	C			
				4" NPT	101	12Ω	D			
				4" Flange	100F	1Ω <sup>(1)</sup>	PA			
						4Ω <sup>(1)</sup>	PB			
						9Ω <sup>(1)</sup>	PC			



- a 3W selector valve
- b In-line finger filter
- c Plastic Pilot
- d Plug

#### Example: G500-PSM-801G

G500 pressure sustaining with manual selector, 2" BSPT, 24V AC, two wires, 1-10 bar

G500 - PSM - 80 - 1 - G

(1) For G75-A3P Latch

(2) For Latch only

\* To order valves manufactured according to your specific requirements, please contact our technical sales department