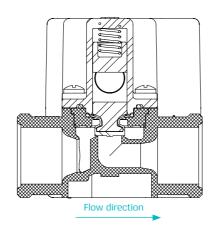
ISOLATED/FERTILIZER SOLENOIDS



GEM-CPR | Precise Isolated Proportional 2 Way NC

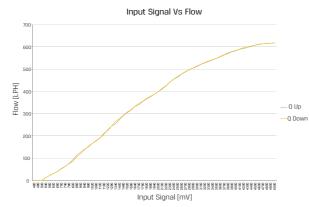




Technical Data

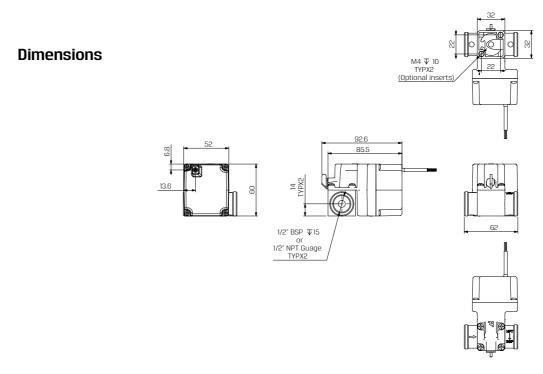
Function	2 Way NC (with back-up battery)							
Ports size	1/2" BSP & NPT							
Orifice size	8mm (Up to 600 l/hour)							
Pressure range	Vacuum applications: (-1) - 0 Bar Pressure applications: 0 - (+1) Bar For other pressures, please consult our technical sales department							
Temperature range	Fluid: -10° to 45°C (no freezing) Ambient: -10°C to 45°C							
Materials	In contact with media: Valve body: • Standard: PVC (UV Protection) • Optional: According to customer demand or application (e.g Stainless steel) Diaphragm & seals: FKM, EPDM							
	Not in contact with media: Operator housing: PP (UV protection) Manual override: Acetal (Manual override is standard							
Media	Liquids & Gases *Please consult our technical sales department for a specific media Application examples: Irrigation fertilizing systems Medical devices							
Control signal	0-5V or 4-20mA							
Valve stroke resolution	< 0.01mm							
Valve stroke accuracy	< ± 0.01 mm							
Full stroke duration	0.6 sec, each direction							
Current consumption	Standby Mode (Holding position): 25 [mA] Active Control Mode: Up to 120 [mA] Full Open/Close Mode (starting current): Up to 600 [mA]							
Supply voltage	12-24 [V] ±5% AC (50 or 60Hz) Or 12-24[V] ±10% DC *For other supply voltages, please consult our technical sales department *Current and voltage spikes protections might be required. Please consult our technical sales department							
Connection	5 wires cable (3m length): • Black & red: Supply voltage (polarity is not restricted) • Green: 0-5 V analog control signal • Blue: 4-20 mA analog control signal • Yellow: Analog control signal common							
Recommended control signal resolution	Voltage : 20 mV Current : 0.064 mA							
Standard / Certification	• EMC : EN55011 Group 1 - Class A EN61000-6-1 CFR 47 FCC Class A							
	• SAFETY : IEC/EN61010-1							

Typical performance graph



Media : Water △p : 0.9 [bar] Temp : 20°C

GEM-CPR | Precise Isolated Proportional 2 Way NC



How to Order

GEM-CPR	-	PORT		FUNCT	ION	PRESSUR	E	SEALS		MANUA OVERRI	_	CONTRO SIGNAL		VOLTAGE	
		1/2" BSP	40	2W NC	1	Vacuum	1	FKM	V	Plastic	1	0-5 V	1	12-24 VDC	1
		1/2" NPT	41			Pressure(1)	2	EPDM	Ε			4-20 mA	2	12-24 VAC	2

Example : GEM-CPR-4011E1-11

Precise Isolated proportional valve, 1/2" BSP, 2W NC, Vacuum, EPDM seals, plastic manual override with 0-5V control signal, 12-24VDC

⁽¹⁾ Maximum inlet pressure: 1 bar



^{*}Please specify the working pressure range when placing an order

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