



# EnviroTech Alarms Ltd

Media: air – water – gas – light oil  
 Pressure range: 0.5 to 15 Bar max  
 Media temperature: -40°C +90°C max  
 Ambient temperature: -40°C +60°C  
 Media viscosity: 50 centistokes max  
 Mounting: Coil Upright  
 Open/Close time: 50mSec Max  
 Voltage: 240vac (50Hz)  
 Inrush: 23VA  
 Enclosure: IP65  
 Connection: spade type  
 Body: Brass  
 Seals: NBR  
 Moulded coil: ABS plastic

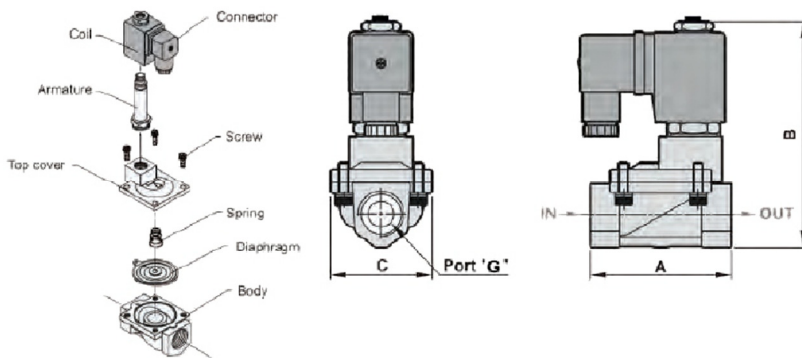
**2/2 Brass**  
**1 1/4" – 3"**  
 NORMALLY OPEN  
 2 WAY SERVO ASSISTED  
 0.5 – 15 Bar  
**Pressure Assisted**



## PRESSURE

Port BSP	Orifice (mm)	Flow	Pressure Rating (Bar)		mSec Max		Voltage	Part Number
		Kv Ltr/min	Min	Max	Open	Close		
1 1/4"	38	367	0.5	15	50	50	AC	30NOVALVE/ZL
1 1/2"	38	500	0.5	15	50	50	AC	40NOVALVE/ZL
2"	50	600	0.5	15	50	50	AC	50NOVALVE/ZL
2 1/2"	65	1050	0.3	15	50	50	AC	65NOVALVE/ZL
3"	80	1380	0.3	15	50	50	AC	80NOVALVE/ZL

## DIMENSIONS



BSP	A (mm)	B (mm)	C (mm)	Kg
1 1/4"	131	145.5	96	2.5
1 1/2"	131	145.5	96	2.5
2"	160	160.5	112	3.9
2 1/2"	243	178	184	9.4
3"	250	188	184	11.4

## GENERAL INFORMATION

A normally open solenoid valve combines a solenoid (electromagnet core) with a valve body containing one or more entry/exit points. Flow through an orifice is shut off or opened by the movement of the electromagnetic core depending on if the solenoid is energized or de-energized.

The core is in a water tight housing. When the solenoid is not powered, the core is open in the valve. When energized, a spring puts the valve to its closed position. The force needed to open the valve is proportional to the valve size and water pressure.

Depending on the size of the valve, will depend on what pressure is required to open or close it. Valves between 1/2" and 1" do not require any pressure to open them. These are known as zero lift or zero rated valves. Larger valves (above 1") do require a small amount of pressure in order to operate (0.5bar). This is the differential in pressure between the input side and the output side of the valve. If the pressure is the same on both sides the valve will fail to open/close.

## ORDERING INFORMATION

Order on-line at: <https://www.envirotechalarms.com/product-category/solenoid-valves/>

[Send your enquiries to: enquiries@envirotechalarms.com](mailto:enquiries@envirotechalarms.com)

Call us on: 0330 1595933