TECHNICAL SPECIFICATIONS, DESCRIPTIONS and GENERAL FEATURES

• Fluids: Valves are suitable for water, low viscosity oils etc... non-aggressive liquids and Air, Inert Gas etc... gaseous but is not suitable for hazardous fluids



• Principle of Operation: Pilot Operated

• Way Number: 2/2 (Ports / Positions)

. Connection and Port Sizes: G1/8"up to G1"

• Connection Type: Thread (Female), G (BSPP / ISO 228-1)

• Pressure Range: 0,5 -16 Bar

• Fluid Temperature: -10°C to max. 160°C

• Ambient Temperature: -20°C to max. 70°C

• Opening Time: 200ms up to 1500ms

. Closing Time: 500ms up to 2000ms · Max Viscosity: 38 cSt or mm2/s

. Maximum Allowable Pressure or Design Pressure: 24 bar

. Minimum operating differential pressure: 0,5 Bar

· Valve has sealing o-rings

• Suitable AC and DC voltage, high voltage tolerance

. Coil interchangeable without dismantling the valve (don't matter AC or DC)

· High flow rate, high reliability, high mechanical strength

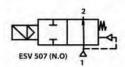
· Various flow rate options, wide range of orifice options

. Mounting position, optional any position but preferably solenoid coil vertical on top

. The fluid passing through the valve must be filtered

• Flow rate (Q) can be usually calculated as a function of pressure, density and flow coefficient

• According 97/23/EC Pressure Equipment Directive (PED), 2006/95/EEC Low Voltage Directive (LVD) and 2004/108/EC Electromagnetic Compatibility Directive (EMC)

































Model No ESV	Position	Connection and Port Size	Orifice Size	Flow Factor/ Coefficient Kv		Operating Pressure Differential				Fluid Temperature		Seal	Approximate	Reference
						Min. (For AC)	Min. (Far DC)	Max. (For AC)	Max. (For DC)		Max.	Scat	Weight	Figure
				L/m	m³/h	Bar	Bar	Bar	Bar	DC.	oC.		kg	
ESV 507.02	N.O	3/8"	12	40	2.40	0.5	0.5	16	16	-10	160	VITON	0.65	Fig.1
ESV 507.03	N.0	1/2"	15	70	4.20	0.5	0.5	16	16	-10	160	VITON	0.61	Fig.1
ESV 507.04	N.0	3/4"	20	130	7.80	0.5	0.5	1.6	16	-10	160	VITON	0.75	Fig.1
ESV 507.05	N.O	1	25	180	10.80	0.5	0.5	16	16	-10	160	VITON	1.03	Fig.1
ESV 507.00.120	N.O	1/8"	12	20	1.20	0.5	0.5	16	16	-10	160	VITON	0.7	Fig.1
ESV 507.01.120	N.0	1/4"	12	25	1.50	0.5	0.5	16	16	-10	160	VITON	0.68	Fig.1