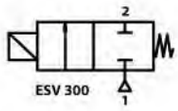
TECHNICAL SPECIFICATIONS, DESCRIPTIONS and GENERAL FEATURES



- **Fluids:** Air, Inert gas etc... gaseous
- **Switching Function:** Normally Closed (N.C, Closed when de-energised)
- **Principle of Operation:** Direct 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:** -1 ; 4 Bar
- **Fluid Temperature:** -10°C to max. 80°C
- **Ambient Temperature:** -20°C to max. 70°C
- **Opening Time:** 25 ms
- **Closing Time:** 25 ms
- **Max Viscosity:** 38 cSt or mm2/s
- **Maximum Allowable Pressure or Design Pressure:** 10 bar
- Compact design
- 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)
- Low flow loss, low power loss
- Various flow rate options, wide range of pressure ratings, 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)

Low Pressure Loss | Vacuum Applications | Coil Rotatable 360° | Small Body Size
Low Weight | Patented Enclosing Tube Design | Fast Opening and Closing | Long Life

Model No	Position	Connection and Port Size	Orifice Size	Flow Factor / Coefficient Kv		Operating Pressure Differential				Fluid Temperature		Seal	Approximate Weight	Reference Figure
						Min. (For AC)	Min. (For DC)	Max. (For AC)	Max. (For DC)	Min.	Max.			
ESV		G	mm	L/m	m^3/h	Bar	Bar	Bar	Bar	°C	°C		kg	
ESV 300.00.040	N.C	1/8"	4	6.5	0.39	-1	-1	3	3	-10	80	NBR	0.35	Fig.1
ESV 300.01.040	N.C	1/4"	4	6.5	0.39	-1	-1	3	3	-10	80	NBR	0.33	Fig.1
ESV 300.02.040	N.C	3/8"	4	6.5	0.39	-1	-1	3	3	-10	80	NBR	0.47	Fig.2
ESV 300.03.040	N.C	1/2"	4	6.5	0.39	-1	-1	3	3	-10	80	NBR	0.44	Fig.2
ESV 300.04.040	N.C	3/4"	4	6.5	0.39	-1	-1	3	3	-10	80	NBR	0.7	Fig.2
ESV 300.05.040	N.C	1"	4	6.5	0.39	-1	-1	3	3	-10	80	NBR	0.65	Fig.2