

Directive (LVD) and 2004/108/EC Electromagnetic Compatibility Directive (EMC)

Model No	Position	Connection and Port Size	Orifice Size	Flow Factor / Coefficient Ky		Operating Pressure Differential			Fluid Temperature		Seal	Approximate	Reterence	
						Min. (For AG)	Nin (For DC)	Max: (For AC)	Max. (For DCI	Min.	Max.	Seat	Weight	Figure
ESV		G	mm	L/m	mª/h	Bar	Bar	Bar	Bar	°C	°C		kg	
ESV 275.04.050	N.C	3/4"	5	9.5	0.57	Ø	0	5	5	-10	160	VITON	0.85	Fig.1
ESV 275.04.060	N.C	3/4"	6	11.5	0.69	0	0	5	5	-10	160	VITON	0.85	Fig.1
ESV 275.04.070	N.C	3/4"	7	12.5	0.75	0	0	5	5	-10	160	VITON	0.85	Fig.1
ESV 275.05.050	N.C	17	5	9.5	0.57	0	0.	5	5	-10	160	VITON	0.8	Fig.1
ESV 275.05.060	N.C	J	6	11.5	0.69	0	(I	5	5	-10	160	VITON	0.8	Fig.1
ESV 275.05.070	N.C	j.es	7	12.5	0.75	0	0	5	5	-10	160	VITON	0.8	Fig.1
ESV 276.04.025	N.O	3/4"	2.5	3.3	0.19	0	0	5	5	-10	160	VITON.	0,88	Fig.1
ESV 276.05.025	N.O	1	2.5	3.3	0.19	đ	D	5	5	-10	160	VITON	0.83	Fig.1

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ESV 275-276

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COOLING NECK STEAM SOLENOID VALVES

ESV 275-276

DIRECT OPERATED, N.C AND N.O, 2/2 WAY, G3/8" UP TO G1", 0 TO 5 BAR

OPTIONS

Custom options can be performed for customer's special requests
 On request; NPT (ANSI 1.20.3), R (BSPT / ISO 7-1), W (BSW / Whit-worth), M (Metric) etc...

• On request; diaphragm or sealing or o-rings can be EPDM (-10°C to 140°C)

• On request; various body surface coating, nickel plated body, different body materials, internal parts stainless steel (for ESV 276), seat can be stainless steel, filter, other pipe connections, 2 or 4 mounting sub-base holes at the bottom of the body

• On request; other special supply voltages, frequencies (60 Hz), other power, coil insulation class : F (155°C), coil duty latching model

• On request; with electronic timer , Explosion-Proof coil for use in zones 1/21-2/22 (Eex em II T4/T5), coil encapsulation material can be fiber glass reinforced (V0 or V1)

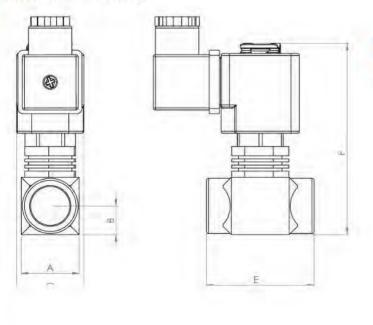
• On request; connector with LED or without connector, connector with visual indication and peak voltage suppression, connector with cable length of 2m, Spade plug [Cable Ø 8-10 mm], connector non-flammable

• On request other versions

POWER CONSUMPTION

		Pow	er Con	sumption				
Alterna	ating Cur	rent (AC	Direct Current (DC)					
Model No	Voltage	Inrush (VA)	Holding (VA)	Model No	Voltage	Cold (W)	Hot (W)	
ECO 10.AC.012	127	30	18	ECO 10.DC.012	12V	16	12	
ECO 10.AC.024	24V	30	18	ECO 10.DC.024	24V	16	12	
ECO 10.AC.048	48V	30	18	EC0 10.DC.048	48V	16	12	
ECO 10.AC.110	110V	30	18	ECO 10.DC.110	110V	16	12	
ECO 10.AC.230	230V	30	18	ECO 10.DC.230	230V	16	12	

DIMENSIONS (mm)



ELECTRICAL CHARACTERISTICS

- Protection Degree: IP 65 [EN 60529] (with connector)
- Plug Connection: DIN 46340-3 poles connectors (DIN 43650)
- Connector Specification: ISO 4400 / EN 175301-803 , Form A, Spade plug (Cable Ø 6-8 mm)
- Electrical Safety: IEC 335, EN 60335-1, EN 60204-1
- . Coil Insulation Class: H [180°C]
- Coil Impregnation: Polyester Fiber-Resin Glass
- Coil Encapsulation Material: Fiber Glass Reinforced (V2)
- Supply Voltages: For AC(-) 12V , 24V , 48V , 110V , 230V
 For DC (=) 12V , 24V , 48V , 110 V, 230 V
- Voltage Tolerances: For AC (~) or DC (=) %-10 ; %+10
- Frequency: 50 Hz
- Coil Duty Cycle: %100 ED, Continously Rated
- Design according to DIN VDE 0580

MATERIALS

- · Body: Brass
- Plunger Seal: VITON

• Enclosing Tube: Stainless Steel (AISI 430FR and AISI 304) for ESV 275 Series , Stainless Steel (AISI 430FR and AISI 304) and Brass for ESV 276 Series

- Plunger: Stainless Steel (AISI 430FR)
- Springs: Stainless Steel (AISI 302)
- Shading Ring: Copper
- Seat: Brass
- O-rings: NBR
- Internal Metal Parts: Stainless Steel and Brass

Size	4	В	6	- 8	E	F
3/4"	32	16	32.5	1.	52	98
1"	40	20	32.5	-	60	105

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