

Madel No	Position	Connection and Port Size	Orifice	Flow Factor / Coefficient Kv		Operating Pressure Differential			Fluid Temperature		Seal	Approximate	Reference	
	Position		Size			Min. (For-AC)	Min. (For DC)	Max. (For AC)	Max (For DC)	Min	Max	Jocar	Weight	Figure
ESV		G	mm	L/m	m²/h	Bar	Bar	Bar	Bar	оС	VC		kg	
ESV 110.06	N.C	11/4"	32	345	20.70	0	D	10	6	-10	140	EPDM	3.6	Fig.1
ESV 110.07	N.C	11/2"	40	415	24.90	0	0	10	6	-10	140	EPDM	3.5	Fig.1
ESV 110.08	N.C	2"	50	690	41.40	Q	۵	10	6	-10	140	EPDM	3.9	Fig.1
ESV 111.06	N.0	11/4"	32	345	20.70	0	0	5	3	-10	140	EPDM	3.7	Fig.2
ESV 111.07	N.0	11/2"	40	415	24.90	0	0	5	3	-10	140	EPDM	2.6	Fig.2
ESV 111.08	N.0	2"	50	690	41.40	D	0	5	3	-10	140	EPDM	4	Fig.2

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ESV 110-111

PILOT OPERATED, N.C AND N.O, 2/2 WAY, G11/4" UP TO G2", 0 TO 10 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 / Whitworth), M (Metric) etc...

- On request; diaphragm or sealing or o-rings can be FPM (VITON)
- [-10°C to 160°C], NBR [-10°C to 80°C]

• On request; various body surface coating, nickel plated body, different body materials, internal parts stainless steel (for ESV 111), manual override, seat can be stainless steel, filter, other pipe connections, flanged connection

• 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)

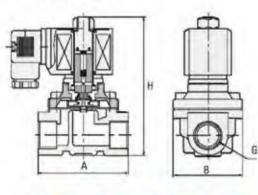
 On request; connector with LED or without connector, connector with visual indication and peak voltage suppression, connector with cable length of 2m, Spade plug (Cable Ø 8-10 mm), connector non-flammable

• On request other versions

POWER CONSUMPTION

Power Consumption										
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	12V	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	ECO 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 10.0C.230	230V	16	12			

DIMENSIONS (mm)



6	A	B	H
3/8**	69	57	135
1/2-	69	57	
3/4"	73	57	135
1"	99	77.5	150
11/4"	112	86.5	180
11/2"	123	94	190
2"	168	123	216

ELECTRICAL CHARACTERISTICS

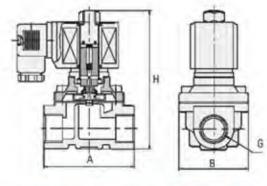
- · Protection Degree: IP 65 (EN 60529) (with connector)
- Plug Connection: DIN 46340-3 poles connectors (DIN 43650)
- Connector Specification: ISO 4400 / EN 175301-803 , Form A, Spade plug (Cable Ø 6-8 mm)
- Electrical Safety: IEC 335, EN 60335-1, EN 60204-1
- Coil Insulation Class: H (180°C)
- Coil Impregnation: Polyester Fiber-Resin Glass
- Coil Encapsulation Material: Fiber Glass Reinforced (V2)
- Supply Voltages: For AC(-) 12V , 24V , 48V , 110V , 230V
 - For DC (=1 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: EPDM

• Enclosing Tube: Stainless Steel (AISI 430FR and AISI 304) for ESV 110 Series , Stainless Steel (AISI 430FR and AISI 304) and Brass for ESV 111 Series

- Plunger: Stainless Steel (AISI 430FR)
- Springs: Stainless Steel (AISI 302)
- Shading Ring: Copper
- Seat: Brass
- + 0-rings: NBR
- Internal Metal Parts: Stainless Steel and Brass
- Cover: Brass
- Diaphragm/Seat Seal: EPDM
- Cover Screws: Stainless Steel



G	Δ	8	H	
3/8" 1/2" 3/4"	69	57	106	
1/2"	69	57	106	
3/4"	73	57	114	
1	99	77.5	121	
11/4"	112	86.5	150	
11/2"	123	94	160 183	
2"	168	123	183	

Fig. 1

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ESV 110-111 02-