

Model No	Position	Connection and Port Size	Orifice Size	Flow Factor /		Operating Pressure Differential			Fluid Temperature		Seal	Approximate	Reference	
				Coeffic	ient Kv	Min. (For AC)	Min. (Fer DC)	Max. (For AC)	Max.(For DC)		Мах.	Deat	Weight	Figure
ESV		G	mm	L/m	m³/h	Bar	Bar	Bar	Bar	ΰG	рС		kg	
ESV 200.02	N.C	3/8"	12	40	2.40	0.35	0.35	5	5	-10	160	PTFE	0.62	Fig.1
ESV 200.03	N.C	1/2"	15	70	4.20	0.35	0.35	5	5	-10	160	PTFE	0,58	Fig.1
ESV 200.04	N.C	3/4"	20	130	7.80	0.35	0.35	5	5	-10	160	PTFE	0.74	Fig.1
ESV 200.05	N.C	1"	25	180	10.80	0.35	0.35	5	5	-10	160	PTFE	1	Fig.1
ESV 200.06	N.C	11/4"	32	380	22.80	0.5	0.5	3	3	-10	140	EPDM	2,95	Fig.2
ESV 200.07	N.C	11/2"	40	480	28.80	0.5	0.5	3	3	-10	140	EPDM	2,85	Fig.2
ESV 200.08	N.C	2"	50	600	36.00	0.5	0.5	3	3	-10	140	EPDM	3.3	Fig.2
ESV 201.02	N.O	3/8"	12	40	2.40	0.35	0.35	5	5	-10	160	PTFE	0.65	Fig.1
ESV 201.03	N.O.	1/2"	15	70	4.20	0.35	0.35	5	5	-10	160	PTFE	D.61	Fig.1
ESV 201.04	N.O	3/4"	20	130	7.80	0.35	0.35	5	5	-10	160	PTFE	0.75	Fig.1
ESV 201.05	N.O.	1"	25	180	10.80	0.35	0.35	5	5	-10	160	PTFE	1.03	Fig.1
ESV 201.06	N.0	11/4"	32	380	22,80	0.5	0.5	3	3	-10	140	EPDM	2,98	Fig.2
ESV 201,07	N.O	11/2"	40	480	28.80	0.5	0.5	3	3	-10	140	EPDM	2.88	Fig.2
ESV 201.08	N.0	2"	50	600	36.00	0.5	0.5	3	3	-10	140	EPDM	3.33	Fig.2
ESV 200.00,120	N.C	1/8"	12	20	1.20	0.35	0.35	5	5	-10	160	PTFE	0.67	Fig.1
ESV 200.01.120	N.C	1/4"	12	25	1.50	0.35	0.35	5	5	-10	160	PTFE	0.65	Fig.1
ESV 201.00.120	N.O	1/8"	12	20	1.20	0,35	0.35	5	5	-10	160	PTFE	0.7	Fig.1
ESV 201.01.120	N.O	1/4"	12	25	1.50	0.35	0.35	5	5	-10	160	PTFE	0.68	Fig.1

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ESV 200-201





PILOT OPERATED, N.C AND N.O, 2/2 WAY, G1/8" UP TO G2", 0,35 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 / Whitworth), M (Metric) etc...

• On request; various body surface coating, nickel plated body, different body materials, internal parts stainless steel (for ESV 201), 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)

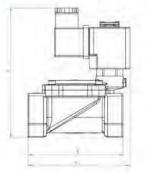
 On request; connector with LED or without connector, connector with visual indication and peak voltage suppression, connector with cable length of 2m, Spade plug (Cable Ø 8–10 mm), connector non-flammable

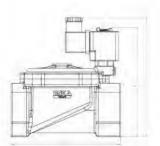
• On request other versions

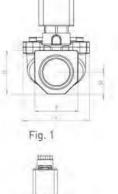
POWER CONSUMPTION

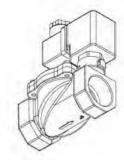
		Pow	er Con	sumption				
Alterna	ating Cur	rent (AC	Direct Current (DC)					
Model No	Voltage	Inrush (VA)	Holding [VA]	Model No	Voltage	Cold [W]	Hot (W)	
ECO 10.AC.012	12V	30	18	ECO 10.DC.012	12V	16	12	
ECO 10.AC.024	24V	30	18	EC0 10.DC.024	24V	16	12	
ECO 10.AC.048	48V	30	18	ECO 10.DC.048	48V	16	12	
ECO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

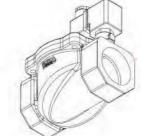
DIMENSIONS (mm)











Size	A	В	C	D	E	F	G
1/8"	105.3	69	76.5	26.8	26.9	44	13.4
1/4"	105.3	69	76,5	26,8	26.9	.44	13.4
3/8"	105.3	69	76.5	26.8	26.9	44	13.4
1/2"	105.3	69	76.5	26.8	26.9	44	13.4
3/4"	109.8	80	86.8	31.8	31.9	53.8	15.3
1=	120.3	89	95,5	40,9	40.7	62	20.5

06-02

ESV 200-201

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: PTFE

• Enclosing Tube: Stainless Steel (AISI 430FR and AISI 304) for ESV 200 Series , Stainless Steel (AISI 430FR and AISI 304) and Brass for ESV 201 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
 - Internat Metatra
- Cover: Brass

Å

110

140

145

117

127

143

130

140

156

48

56

70

74

98

110

74

28

35

11/4"

11/2"

2"

- Diaphragm/Seat Seal: PTFE [1/8" up to 1"],
- EPDM (1/4" up to 2")

• Cover Screws: Stainless Steel

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