

Manual Mar	Position	Connection and Port Size	Orifice Size	Flow Factor / Coefficient Ky		Operating Pressure Differential				Fluid Temperature		Seal	Approximate	Reference
Model No						Min. (For AC)	Min. (Far DC)	Max. (For AC)	Max. (For DEI	Min.	Max.	Jean	Weight	Figure
ESV		G	mm	L/m	mª/h	Bar	Bar	Bar	Bar	"C	ΩC.		kg	
ESV 403.00.010	N.C	1/8"	1	0.5	0.03	0	0	100	100	-10	160	VITON	0.35	Fig.1
ESV 403.00.018	N.C	1/8*	1.8	1.7	0.10	0	0	50	50	-10	160	VITON	0.35	Fig.1
ESV 403.00.025	N.C	1/8"	2.5	3.3	0.19	0	0	20	20	-10	160	VITON	0.35	Fig.1
ESV 403.01.010	N.C	1/4*	1	0.5	0.03	0	0	100	100	-10	160	VITON	0.33	Fig.1
ESV 403.01.018	N.C	1/4"	1.8	1.7	0.10	0	0	50	50	-10	160	VITON	0,33	Fig.1
ESV 403.01.025	N.C	1/4"	2.5	3.3	0.19	0	0	20	20	-10	160	VITON	0.33	Fig.1

HIGH PRESSURE FUEL OIL SOLENOID VALVES

ESV 403

DIRECT OPERATED, N.C, 2/2 WAY, G1/8" UP TO G1/4", 0 TO 100 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, manual override, seal can be stainless steel, filter, other pipe connections, 2 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 duly 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 IAC	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	EC0 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)
- Plunger: Stainless Steel (AISI 430FR)
- Springs: Stainless Steel (AISI 302)
- · Shading Ring: Copper
- · Seat: Brass
- · O-rings: NBR
- Internal Metal Parts: Stainless Steel





03-04