313 Series Valves





DESCRIPTION

Solenoid valve 3 way normally open direct acting poppet type

CONSTRUCTION

Body Brass Armature tube Brass

Plunger and core AISI 430FR Springs AISI 302

Seal material NBR - FPM - EPDM



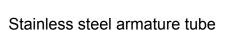
FEATURES

OPTIONS:

Maximum fluid viscosity 25cSt (mm²/s)

Ambient temperature: from +14°F to +176°F according to the coil

Universal mounting position

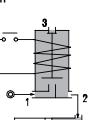


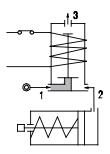
Electroless nickel plating

Exhaust port with hosetail connection Series 7 explosion proof coil according to

(Ex) ATEX II 2G Ex mb IIC T6, T5, T4 Gb

II 2D Ex mb IIIC T85°C, T100°C, T135°C Db similar to NEC 505 Div.1 Class II IIC T6





ON REQUEST: Versions for use with fluid temperature at -40°C

	CODE	Port Size	Orifice Size			Flow Factor		Operating Pressure Oifferential (M.O.P.D.) ③				Nominal power			Coil		Seal	Temp.	
				3	ize		Cv	Cv Min		in Max			Α	C	DC	Series	Width		range
ı		□1in	Inlet		Exhaust				AC DC 4		(VA)								
	① ②	(□25mm)	(in)	(mm)	(in)	(mm)	(gpm)		(psi)	(bar)	(psi)	(bar)	Inrush	Holding	(W)		(mm)	1	(°F)
	E313X12///	□1in (□25mm)	0.047		0.047	1.2	0.046	0	174	12	116	8	12	8	6.5	3	22	NBR=B	+14 +194
	E313X15///		0.059	1.5	0.047	1.2	0.069	0	130	9	87	6			0.5				+14 +284
	E313X12///	□1in (□25mm)	0.047		0.047	1.2	0.046	0	174	12	116	8	15	11	8	4	30		
	E313X15///		0.059	1.5	0.047	1.2	0.069	0	130	9	87	6						FPM=V	+14 +284

① Seal Ordination example: E313XB15///U35B NBR seal

② Coil Coil 24V 60Hz certified € Nus and marked C €

③ Safe Working Pressure: M.O.P.D. +10%.
Is the line or system pressure to which the valve may be subjected without being damaged.

4 Direct current (DC) series 3 coil available only without UL certification

COILS Code ②	24		ernatin	ıg Curr	rent	0V	12		Current		Electrical connection	Connectors	
Series 3 Width 22mm	U35B	30B	U35D	30D	U35F	30F	-	300	-	301	DIN 46244	PG9 code 10348000	
Series 4 Width 30mm	-	40B	-	40D	-	40F	U450	400	U451	401	DIN 43650A	PG9 code 10349000	

DESCRIPTION Class F or H insulation Voltage tolerance ±10% Protection class:

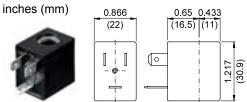
IP65 with connector attached IP00 without connector Continuous service ED100%

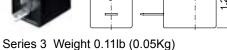
OPTIONS

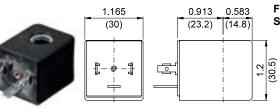
Cable attached Special coil voltage Special coil powers

FOR COIL SPECIFICATION SEE **SECTION 6**

OVERALL DIMENSIONS



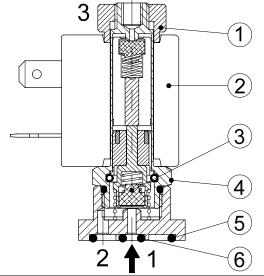




Series 4 Weight 0.22lb (0.1Kg)

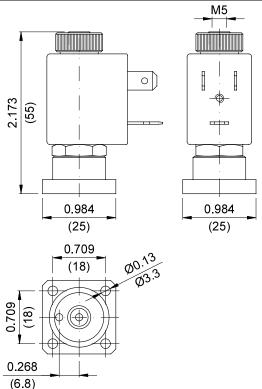
SPARE PARTS LIST

- 1. Coil fixing nut
- 2. Coil
- 3. Seal assembly
- 4. Armature tube assembly



OVERALL DIMENSIONS

inches (mm)



Weight=0.26lb (0.12Kg)