DESCRIPTION

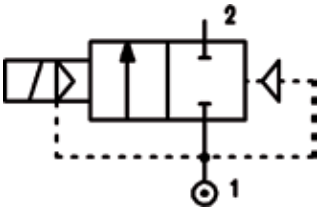
Solenoid valve 2 way normally closed in stainless steel AISI 316 with servo-assisted diaphragm

CONSTRUCTION

Body and cover	Stainless steel
Armature tube	Stainless steel
Plunger and core	Stainless steel
Springs	Stainless steel
Seal material	NBR - FPM - EPDM

FEATURES

Minimum differential pressure 2.2psi
Maximum fluid viscosity 25cSt (mm^2/s)
Ambient temperature: +14°F +131°F (class F coil)
+14°F +140°F (UL certified coil)
Preferred mounting position with vertical coil above



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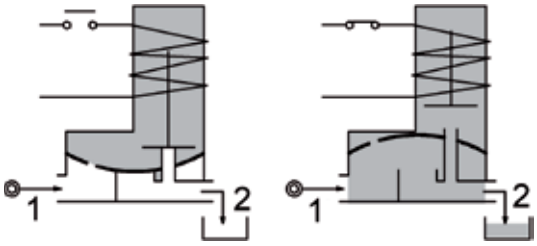
OPTIONS:

Manual override
Series 7 explosion proof coil according to
ATEX II 2G Ex mb IIC T6, T5, T4 Gb
II 2D Ex mb IIIC T85°C, T100°C, T135°C
similar to NEC 505 Div.1 Class II IIC T6
Food approval seal material
Version with slow closing diaphragm
Version for use with oxygen
Silver shading ring



CODE ① ②	Port Size NPT	Orifice Size (in)	Orifice Size (mm)	Flow Factor Cv (gpm)	Operating Pressure Differential (M.O.P.D.) ③ Min (psi)	Min (bar)	Max AC (psi)	Max AC (bar)	Max DC (psi)	Max DC (bar)	Nominal power AC (VA) Inrush	Nominal power AC (VA) Holding	Nominal power DC (W)	Coil Series	Coil Width (mm)	Seal ①	Temp. range (°F)
E177CN...12///...	**3/8**	**0.472**	**12**	**2.54**	**2.2**	**0.15**	**217**	**15**	**217**	**15**	**12**	**8**	**6.5**	**3**	**22**	**NBR=B**	**+14 +194**
E177DN...12///...	**1/2**	**0.472**	**12**	**2.89**	**2.2**	**0.15**	**217**	**15**	**217**	**15**							
E177EN...18///...	**3/4**	**0.709**	**18**	**6.36**	**2.2**	**0.15**	**188**	**13**	**188**	**13**						**EPDM=E**	**+14 +284**
E177FN...25///...	**1**	**0.984**	**25**	**11.79**	**2.2**	**0.15**	**145**	**10**	**145**	**10**						**FPM=V**	**+14 +284**

① Seal
② Coil

Ordination example: E177DNB12///U35D NBR seal, connection 1/2 NPT
Coil 120V 60Hz certified c UL us and marked CE

③ Safe Working Pressure:360 psi. Is the line or system pressure to which the valve may be subjected without being damaged. The maximum allowable pressure PS for steam is 36 psi.

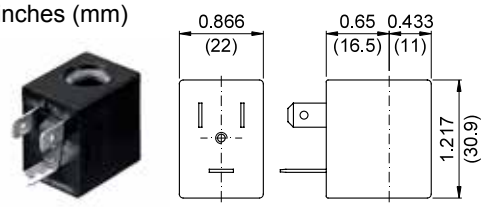
COILS Code ②	Alternating Current						Direct Current				Electrical connection	Connectors
	24V		120V		240V		12V		24V			
Series **3** Width 22mm	U35B	30B	U35D	30D	U35F	30F	U350	300	U351	301	DIN 46244	PG9 code 10348000

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

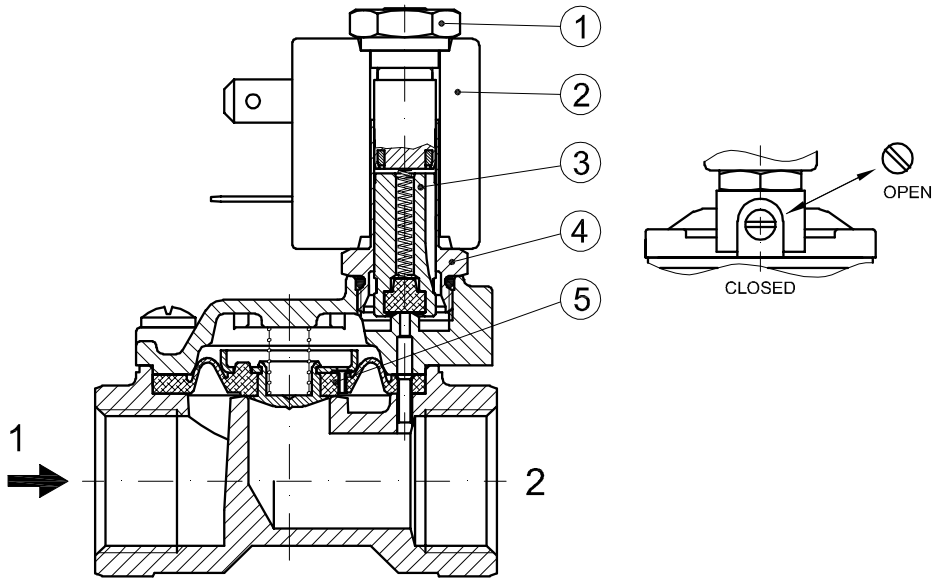
FOR COIL SPECIFICATION SEE SECTION 6

OVERALL DIMENSIONS
inches (mm)

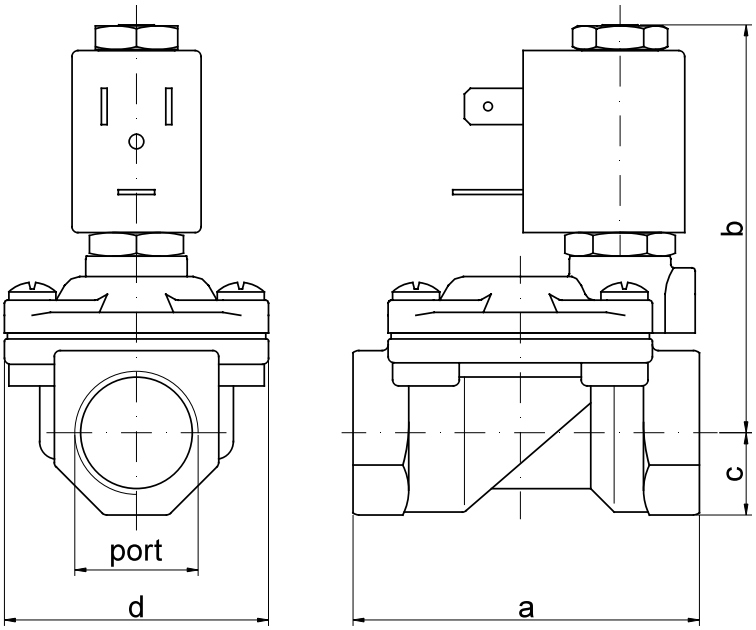


Series 3 Weight 0.11lb (0.05Kg)

SPARE PARTS LIST
1. Coil fixing nut
2. Coil
3. Plunger
4. Armature tube with core
5. Diaphragm assembly



OVERALL DIMENSION



PORT SIZE	a		b		c		d		weight	
	in	mm	in	mm	in	mm	in	mm	lb	Kg
3/8	2.32	59	2.76	70	0.43	11	1.77	45	0.70	0.32
1/2	2.32	59	2.76	70	0.51	13	1.77	45	0.68	0.31
3/4	3.11	79	2.91	74	0.71	18	2.13	54	1.21	0.55
1	3.78	96	3.35	85	0.79	20	2.83	72	2.09	0.95