

DESCRIPTION

Solenoid valve 2 way normally closed
with assisted-lift diaphragm

CONSTRUCTION

Body and cover	Brass
Armature tube	Stainless steel
Plunger and core	Stainless steel
Springs	Stainless steel
Seal material	FPM

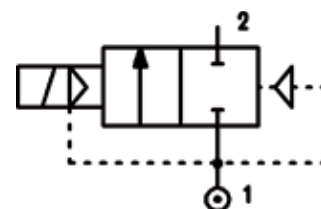


FEATURES

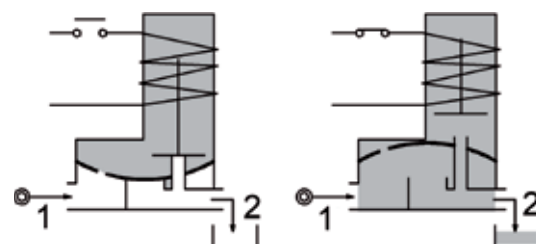
Maximum fluid viscosity 25cSt (mm²/s)
Ambient temperature: +14°F +131°F (class F coil)
+14°F +140°F (UL certified coil)
+14°F +176°F (class H coil)

Preferred mounting position with vertical coil above
For complete diaphragm opening, a differential pressure of at least 2.2psi (0.15bar) is necessary

OPTIONS: Electroless nickel plating



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CODE ①	Port Size NPT	Orifice Size (in) (mm)		Flow Factor Cv (gpm)	Operating Pressure Differential (M.O.P.D.) ②						Nominal power			Coil		Seal	Temp. range (°F)
					Min (psi) (bar)		Max				AC (VA)		DC (W)	Series	Width (mm)		
							AC (psi) (bar)		DC (psi) (bar)		Inrush	Holding					
E108CNV12///...	3/8	0.472	12	2.31	0	0	145	10	-	-	20	15	-	2	30	FPM=V	+14 +284
E108DNV12///...	1/2	0.472	12	2.54	0	0	145	10	-	-							
E108CNV12///...	3/8	0.472	12	2.31	0	0	174	12	145	10	40	30	27	5	36		
E108DNV12///...	1/2	0.472	12	2.54	0	0	174	12	145	10							
E108ENV18///...	3/4	0.709	18	5.2	0	0	130	9	-	-	40	30	-				
E108FNV25///...	1	0.984	25	9.82	0	0	101	7	-	-							
D108ENV18///...	3/4	0.709	18	5.2	0	0	-	-	130	9	-	-	27				
D108FNV25///...	1	0.984	25	9.82	0	0	-	-	116	8							

Ordination example: E108FV25///521 FPM seal, connection 1 NPT

① Coil

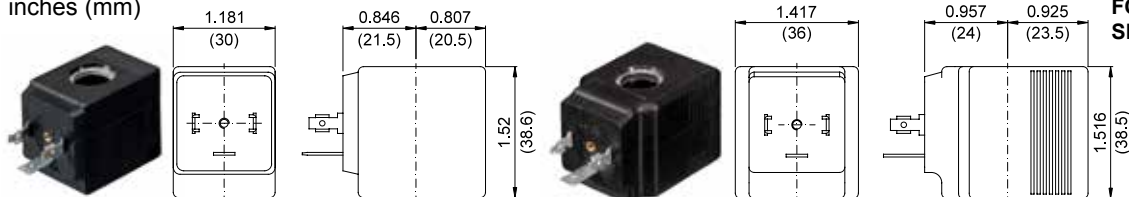
Coil 24V DC marked **CE**

② Safe Working Pressure:362 psi. Is the line or system pressure to which the valve may be subjected without being damaged.

COILS Code ①	Alternating Current 60Hz						Direct Current				Electrical connection	Connectors	DESCRIPTION Insulation class F or H Voltage tolerance ±10% Protection class: IP65 with connector attached IP00 without connector Continuous service ED100%
	24V		120V		240V		12V		24V				
Series 2 Width 30mm	U25B 	20B	U25D 	20D	U25F 	20F	-	-	-	-	DIN 43650A	PG9 code 10349000	
Series 5 Width 36mm	-	52B	-	52D	-	52F	-	520	-	521	DIN 43650A	PG11 code 10349001	
OPTIONS Cable attached Special coil voltage Special coil powers													

OVERALL DIMENSIONS

inches (mm)



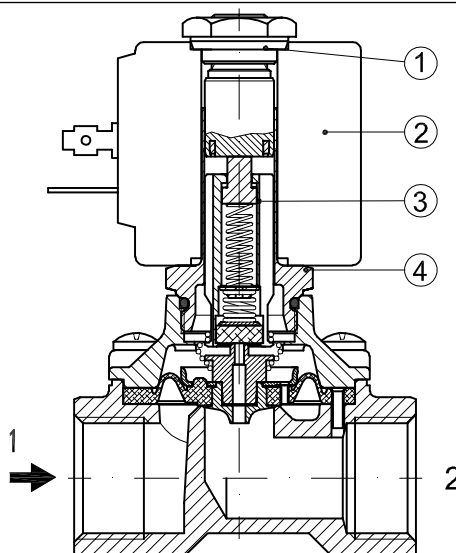
Series 2 Weight 0.26lb (0.12Kg)

Series 5 Weight 0.44lb (0.20Kg)

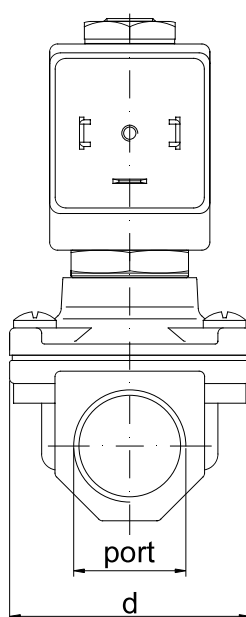
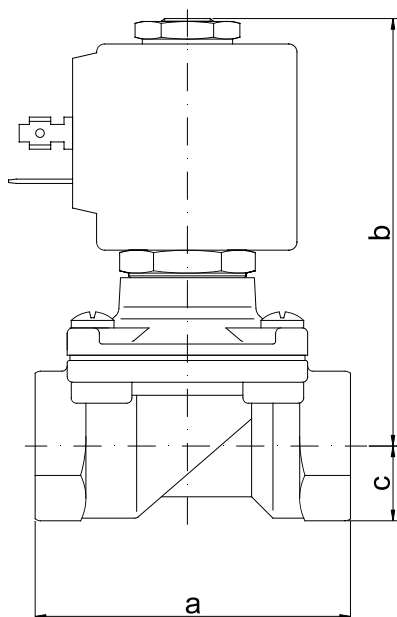
FOR COIL SPECIFICATION SEE SECTION 6

SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Plunger
4. Armature tube with core



OVERALL DIMENSION



PORT SIZE	a		b		c		d		weight (coil series 2)		weight (coil series 5)	
	in	mm	in	mm	in	mm	in	mm	lb	Kg	lb	Kg
3/8	2.32	59	3.27	83	0.55	14	1.77	45	1.15	0.52	1.32	0.60
1/2	2.32	59	3.27	83	0.55	14	1.77	45	1.08	0.49	1.26	0.57
3/4	3.11	79	3.54	90	0.71	18	2.17	55	-	-	1.79	0.81
1	3.78	96	3.98	101	0.79	20	2.83	72	-	-	2.69	1.22