

DESCRIPTION

Solenoid valve 2 way normally closed
direct acting poppet type

CONSTRUCTION

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

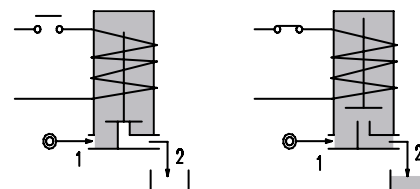
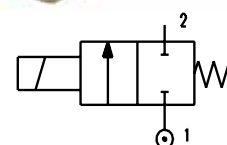
FEATURES

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)
Universal mounting position

OPTIONS: Manual override
Electroless nickel plating
Stainless steel seat insert
Version for use with industrial oxygen



2



CODE ① ②	Port Size NPT	Orifice Size		Flow Factor Cv	Min	Operating Pressure Differential (M.O.P.D.) ④				Nominal power			Coil		Seal ①	Temp. range (°F)	
		(in)	(mm)			AC (psi)	Max		DC (psi)	(bar)	AC (VA)		DC (W)	Series			Width (mm)
							(bar)	(bar)			Inrush	Holding					
E106BN...15///...	1/4	0.059	1.5	0.081	0	435	30	377	26	20	15	10	2	30	NBR=B	+14 +194	
E106BN...20///...		0.079	2	0.116	0	319	22	290	20								
E106BN...25///...		0.098	2.5	0.173	0	232	16	203	14								
E106BN...35///...		0.138	3.5	0.370	0	145	10	108	7.5								
E106BN...45///...		0.177	4.5	0.474	0	79	5.5	43.5	3								
E106BN...52///...		0.205	5.2	0.543	0	50	3.5	29	2								
E106BN...64///...		0.252	6.4	0.740	0	29	2	14.5	1								
E106BN...15///...	1/4	0.059	1.5	0.081	0	507	35	435	30	25	20	14	5	36	EPDM=E	+14 +284	
E106BN...20///...		0.079	2	0.116	0	435	30	362	25								
E106BN...25///...		0.098	2.5	0.173	0	362	25	290	20								
E106BN...35///...		0.138	3.5	0.370	0	261	18	217	15								
E106BN...45///...		0.177	4.5	0.474	0	152	10.5	79	5.5								
E106BN...52///...		0.205	5.2	0.543	0	108	7.5	58	4								
E106BN...64///...		0.252	6.4	0.740	0	58	4	29	2								
E106BN...15///...	1/4	0.059	1.5	0.081	0	1160	80	1160	80	40	30	27	5	36	PTFE=W ③	+14 +356	
E106BN...20///...		0.079	2	0.116	0	725	50	580	40								
E106BN...25///...		0.098	2.5	0.173	0	507	35	478	33								
E106BN...35///...		0.138	3.5	0.370	0	290	20	275	19								
E106BN...45///...		0.177	4.5	0.474	0	203	14	188	13								
E106BN...52///...		0.205	5.2	0.543	0	145	10	130	9								
E106BN...64///...		0.252	6.4	0.740	0	72.5	5	65	4.5								

① Seal

Ordination example: E106BNB20///U25F NBR seal, connection 1/4 NPT

② Coil

Coil 240V 60Hz certified and marked

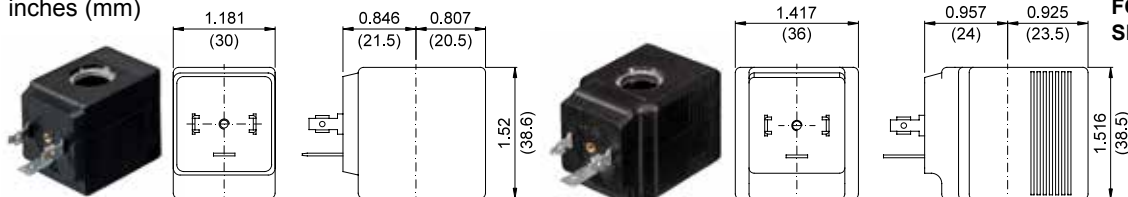
③ For PTFE seals the maximum allowable leakage is 0,0008gpm

④ Safe Working Pressure: 1450 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 87 psi with PTFE seals and 36 psi with EPDM seals.

COILS Code ②	Alternating Current						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 c  US	201	U25D c  US	20D	U25F c  US	20F	U250 c  US	200	U251 c  US	201	DIN 43650A	PG9 code 10349000	
Series 5 Width 36mm	U55B c  US	521	U55D c  US	52D	U55F c  US	52F	U550 c  US	520	U551 c  US	521	DIN 43650A	PG11 code 10349001	
												OPTIONS Cable attached Special coil voltage Special coil power	

OVERALL DIMENSIONS

inches (mm)



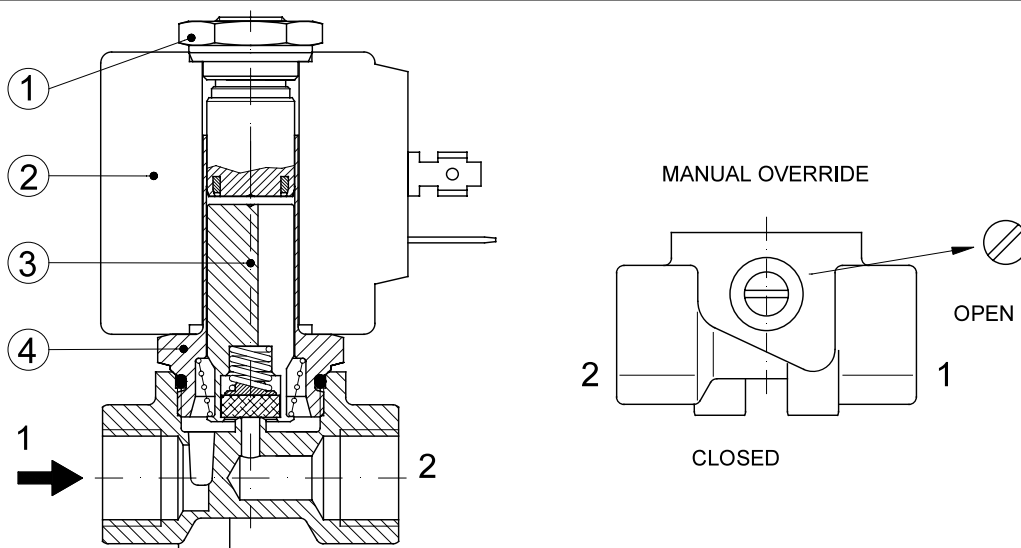
Series 2 Weight 0.26lb (0.12Kg)

Series 5 Weight 0.44lb (0.20Kg)

FOR COIL SPECIFICATION SEE SECTION 6

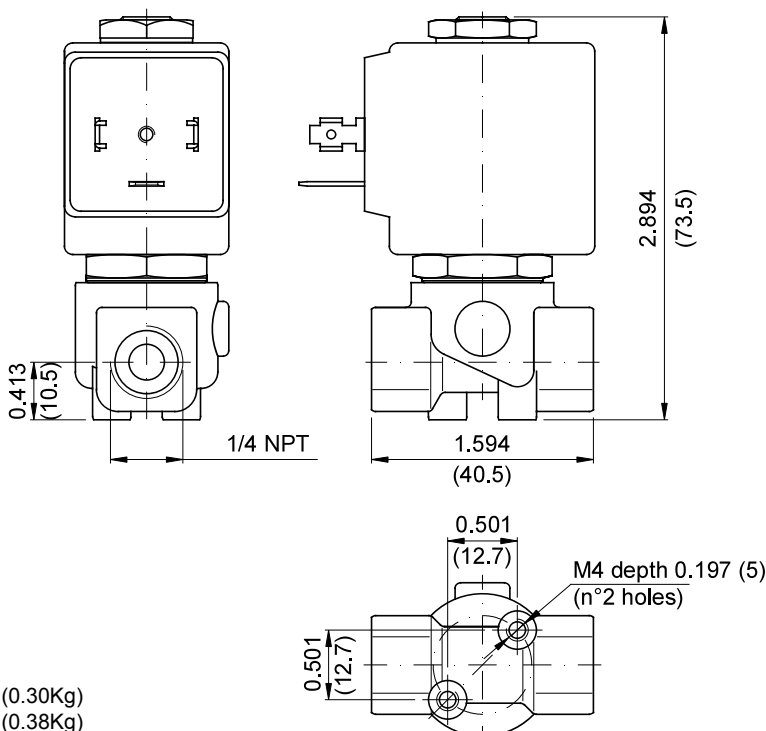
SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Plunger assembly
4. Armature tube assembly



OVERALL DIMENSIONS

inches (mm)



Weight with coil series 2=0.66lb (0.30Kg)

Weight with coil series 5=0.84lb (0.38Kg)

DESCRIPTION

Solenoid valve 2 way normally closed
direct acting poppet type

CONSTRUCTION

Body	Brass
Armature tube	Stainless steel
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Springs	Stainless steel
Seal material	NBR - FPM - EPDM - PTFE

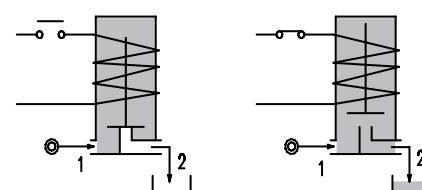
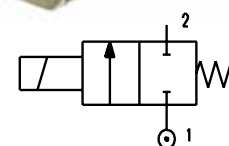
FEATURES

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)
Universal mounting position

OPTIONS: Electroless nickel plating
Version for use with industrial oxygen



2



CODE ① ② ③	Port Size NPT	Orifice Size		Flow Factor Cv	Operating Pressure Differential (M.O.P.D.) ⑤				Nominal power			Coil		Seal ②	Temp. range (°F)	
		(in)	(mm)		Min	Max		AC (VA) Inrush Holding	DC (W)	Series	Width (mm)					
						AC (psi)	bar					DC (psi)	bar			
E106...N...30///...	3/8 1/2	0.118	3	0.289	0	188	13	145	10	20	15	10	2	30	NBR=B	+14 +194
E106...N...35///...		0.138	3.5	0.370	0	145	10	108	7.5							
E106...N...40///...		0.157	4	0.416	0	108	7.5	72.5	5							
E106...N...45///...		0.177	4.5	0.474	0	79	5.5	43.5	3							
E106...N...52///...		0.205	5.2	0.543	0	50	3.5	29	2							
E106...N...64///...		0.252	6.4	0.740	0	29	2	14.5	1							
E106...N...30///...	3/8 1/2	0.118	3	0.289	0	319	22	261	18	27	20	14	5	36	EPDM=E	+14 +284
E106...N...35///...		0.138	3.5	0.370	0	261	18	217	15							
E106...N...40///...		0.157	4	0.416	0	188	13	145	10							
E106...N...45///...		0.177	4.5	0.474	0	152	10.5	79	5.5						FPM=V	
E106...N...52///...		0.205	5.2	0.543	0	108	7.5	58	4							
E106...N...64///...		0.252	6.4	0.740	0	58	4	29	2							
E106...N...30///...	3/8 1/2	0.118	3	0.289	0	362	25	348	24	40	30	27	5	36	PTFE=W ④	+14 +356
E106...N...35///...		0.138	3.5	0.370	0	290	20	275	19							
E106...N...40///...		0.157	4	0.416	0	232	16	217	15							
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E106...N...64///...		0.252	6.4	0.740	0	72.5	5	65	4.5							

① Port size: C=3/8 D=1/2

② Seal Ordination example: E106CNB20///U25B NBR seal, connection 3/8 NPT

③ Coil Coil 24V 60Hz certified cULus and marked CE

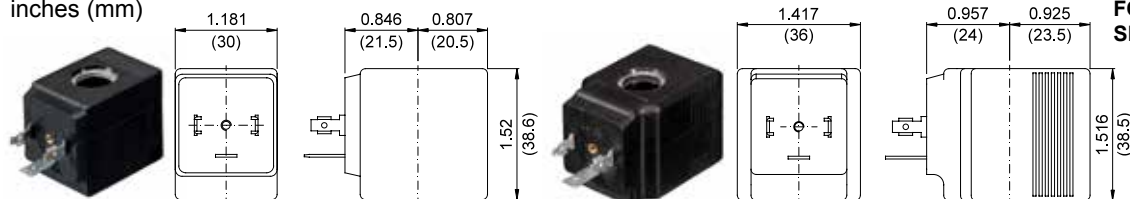
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Series 5 Width 36mm	U55B  US	521	U55D  US	52D	U55F  US	52F	U550  US	520	U551  US	521	DIN 43650A	PG11 code 10349001	
OPTIONS Cable attached Special coil voltage Special coil power													

OVERALL DIMENSIONS

inches (mm)



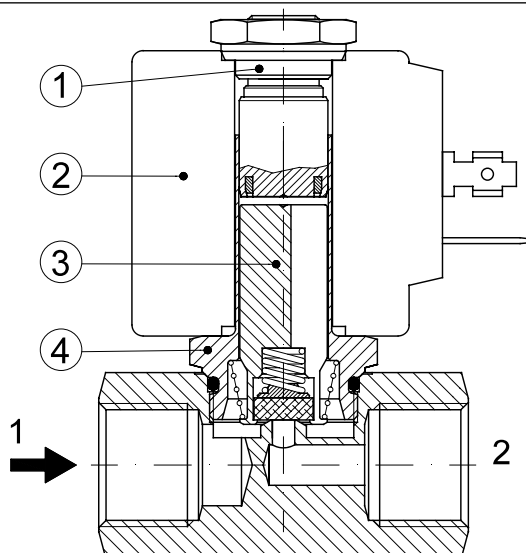
Series 2 Weight 0.26lb (0.12Kg)

Series 5 Weight 0.44lb (0.20Kg)

FOR COIL SPECIFICATION SEE SECTION 6

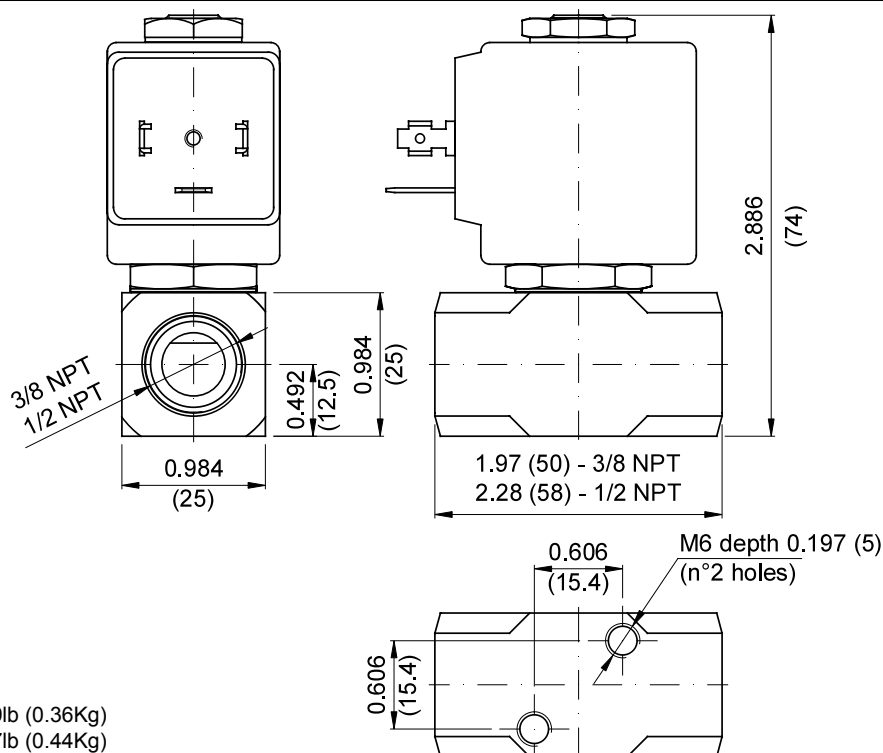
SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Plunger assembly
4. Armature tube assembly



OVERALL DIMENSIONS

inches (mm)



Weight with coil series 2=0.79lb (0.36Kg)
Weight with coil series 5=0.97lb (0.44Kg)