

# 306 Series Valves



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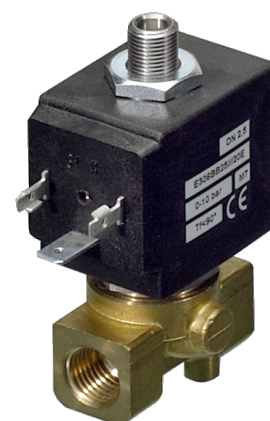
**RANKIN**   
COMPONENTS THAT AUTOMATE

## DESCRIPTION

Solenoid valve 3 way  
direct acting poppet type

## CONSTRUCTION

Body	Brass
Armature tube	AISI 303
Plunger and core	AISI 430FR
Springs	AISI 302
Seal material	NBR - FPM - EPDM



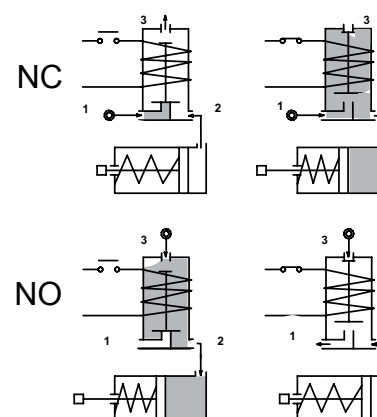
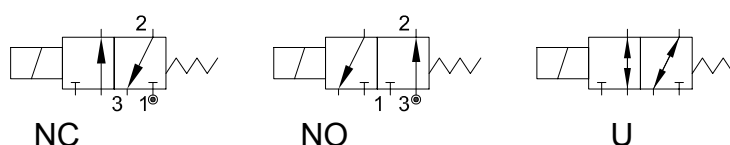
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## FEATURES

Maximum fluid viscosity 25cSt (mm<sup>2</sup>/s)  
Ambient temperature: from +14°F to +176°F according to the coil  
Universal mounting position

**OPTIONS:** Manual override  
Stainless steel seat  
Electroless nickel plating

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



CODE	Port Size	Orifice Size				Flow Factor Cv	Operating Pressure Differential (M.O.P.D.) <sup>③</sup>				Nominal power		Coil		Seal	Temp. range		
		Inlet		Exhaust			Min	Max		AC	DC	Series	Width					
① ②	NPT	(in)	(mm)	(in)	(mm)	(gpm)	(psi)	(bar)	(psi)	(bar)	Inrush (VA)	Holding (W)	(mm)	(mm)	①	(°F)		
<b>NC Normally closed</b>																		
E306BN...15///...	1/4	0.059	1.5	0.094	2.4	0.081	0	290	20	290	20	20	15	10	2	30	NBR=B	+14 +194
E306BN...20///...		0.079	2	0.094	2.4	0.127	0	188	13	188	13							
E306BN...25///...		0.098	2.5	0.094	2.4	0.185	0	145	10	145	10							
<b>NO Normally open</b>																		
E306BN...25/S/...	1/4	0.094	2.4	0.098	2.5	0.185	0	130	9	130	9	20	15	10	2	30	EPDM=E	+14 +284
E306BN...29/S/...		0.114	2.9	0.118	3	0.231	0	94	6.5	94	6.5							
<b>U Universal</b>																		
E306BN...25/G/...	1/4	0.098	2.5	0.094	2.4	0.185	0	72.5	5	58	4	20	15	10	2	30	FPM=V	+14 +284

① Seal Ordination example: E306BNB25/S/U25F NBR seal, connection 1/4 NPT , NO version

② Coil Coil 240V 60Hz certified c US and marked

③ Safe Working Pressure: M.O.P.D. +10%.

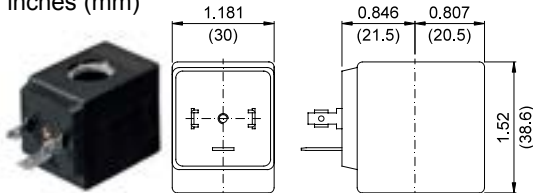
Is the line or system pressure to which the valve may be subjected without being damaged.

COILS Code ②	Alternating Current						Direct Current				Electrical connection	Connectors
	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

**DESCRIPTION**  
 Insulation class F or H  
 Voltage tolerance ±10%  
 Protection class:  
 IP65 with connector attached  
 IP00 without connector  
 Continuous service ED100%

### OVERALL DIMENSIONS

inches (mm)



Series 2 Weight 0.26lb (0.12Kg)

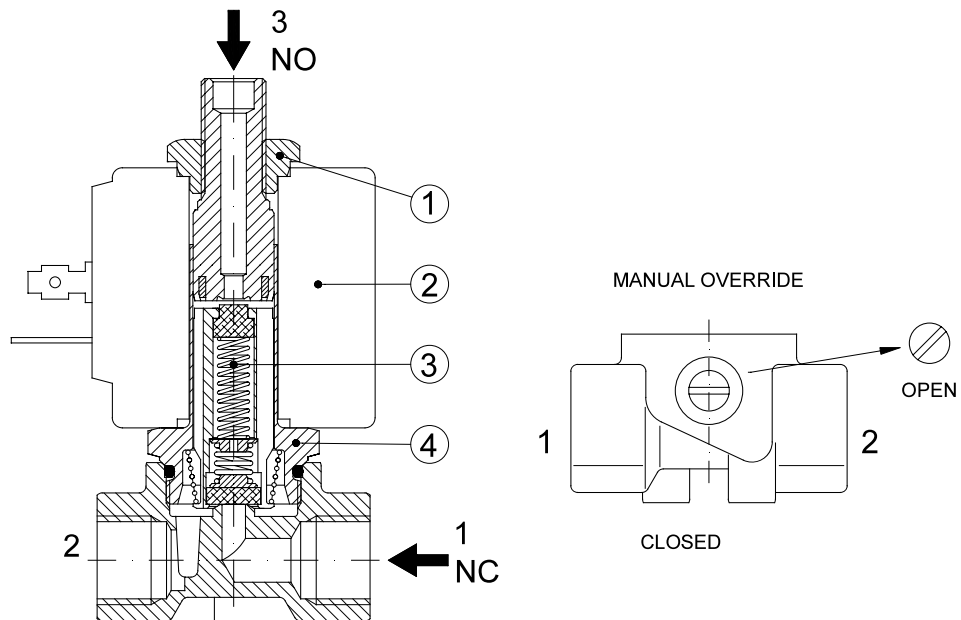
### OPTIONS

Cable attached  
 Special coil voltage  
 Special coil powers

**FOR COIL SPECIFICATION SEE SECTION 6**

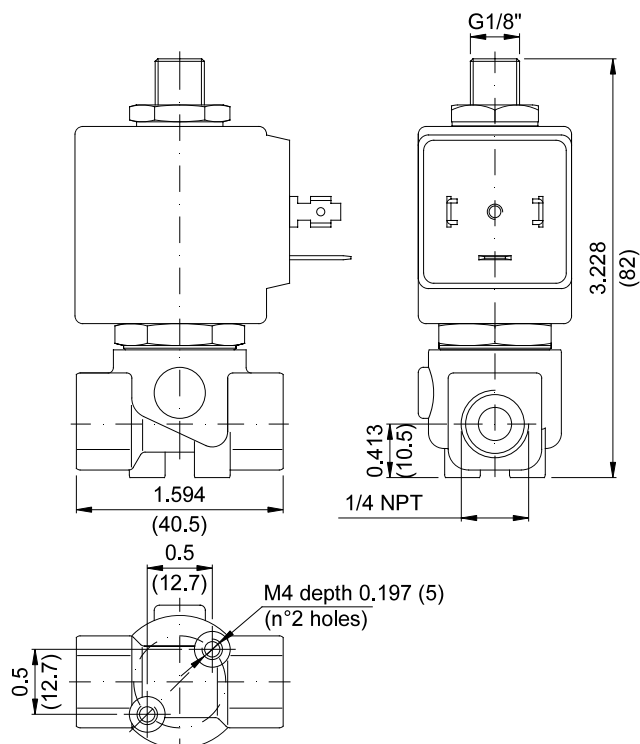
### SPARE PARTS LIST

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



### OVERALL DIMENSIONS

inches (mm)



Weight=0.7lb (0.32Kg)