

271 Series Valves



800.909.4988
info@rankinusa.com

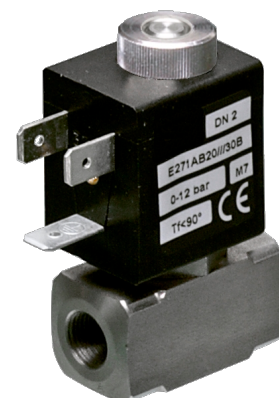
RANKIN 
COMPONENTS THAT AUTOMATE

DESCRIPTION

Solenoid valve 2 way normally open in stainless steel AISI 316 direct acting poppet type

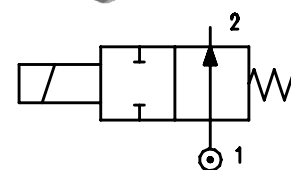
CONSTRUCTION


Body	AISI 316
Armature tube	AISI 316
Plunger and core	AISI 430FR
Shading ring	Silver
Springs	AISI 316
Seal material	NBR - FPM - EPDM

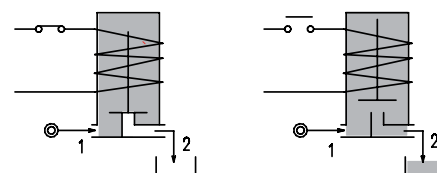


FEATURES

Maximum fluid viscosity 25cSt (mm²/s)
 Ambient temperature: from +14°F to +176°F according to the coil
 Universal mounting position




OPTIONS: Versions for use with industrial oxygen
 Series 7 explosion proof coil according to ATEX - EExmII
 c  us certified coils



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.)				Nominal power			Coil		Seal	Temp. range	
					Min	Max		AC Inrush	DC Holding	Series	Width					
						AC (psi)	AC (bar)					DC (psi)	DC (bar)			
① ②	NPT	(in)	(mm)	(gpm)										①	(°F)	
E271AN...12///...	1/8	0.047	1.2	0.046	0	246	17	246	17	12	8	6.5	3	22	NBR=B	+14 +194
E271AN...15///...		0.059	1.5	0.069	0	188	13	188	13							
E271AN...20///...		0.079	2	0.104	0	101	7	101	7							
E271AN...25///...		0.098	2.5	0.162	0	50	3.5	50	3.5							
E271AN...31///...		0.118	3	0.220	0	29	2	29	2							
E271AN...12///...	1/8	0.047	1.2	0.046	0	246	17	246	17	15	11	8	4	30	EPDM=E	+14 +284
E271AN...15///...		0.059	1.5	0.069	0	188	13	188	13							
E271AN...20///...		0.079	2	0.104	0	101	7	101	7							
E271AN...25///...		0.098	2.5	0.162	0	50	3.5	50	3.5							
E271AN...31///...		0.118	3	0.220	0	29	2	29	2							

- ① Seal Ordination example: E271ANB15///U35B NBR seal, connection 1/8 NPT
- ② Coil Coil 24V 60Hz certified c  us and marked CE
- ③ Safe Working Pressure: 725 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.
- ④ Direct current (DC) series 3 coil available only without UL certification

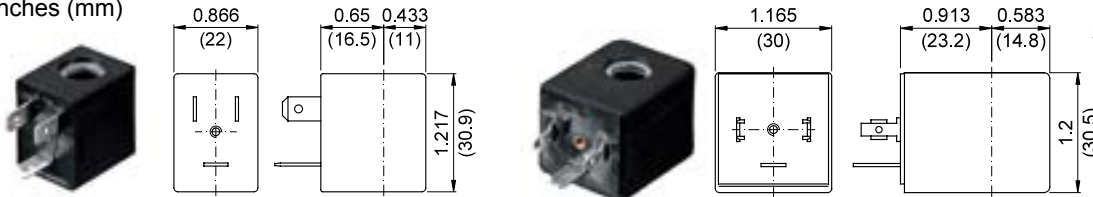
COILS Code ②	Alternating Current						Direct Current				Electrical connection	Connectors
	24V		120V		240V		12V		24V			
Series 3 Width 22mm	U35B c RA US	30B	U35D c RA US	30D	U35F c RA US	30F	-	300	-	301	DIN 46244	PG9 code 10348000
Series 4 Width 30mm	-	40B	-	40D	-	40F	U450 c RA US	400	U451 c RA US	401	DIN 43650A	PG9 code 10349000

DESCRIPTION
 Class F or H insulation
 Voltage tolerance $\pm 10\%$
 Protection class:
 IP65 with connector attached
 IP00 without connector
 Continuous service ED100%

OPTIONS
 Cable attached
 Special coil voltage
 Special coil powers

OVERALL DIMENSIONS

inches (mm)



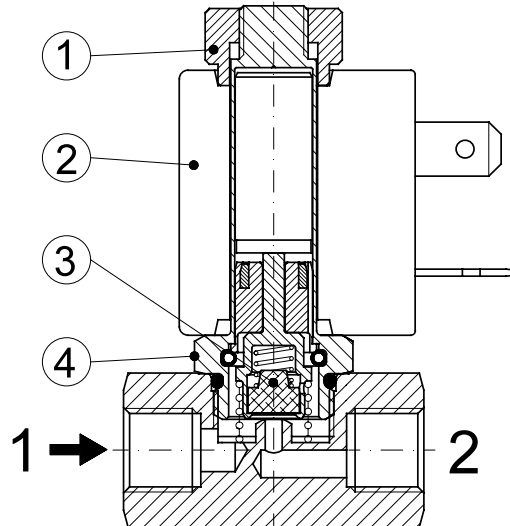
Series 3 Weight 0.11lb (0.05Kg)

Series 4 Weight 0.22lb (0.1Kg)

FOR COIL SPECIFICATION SEE SECTION 6

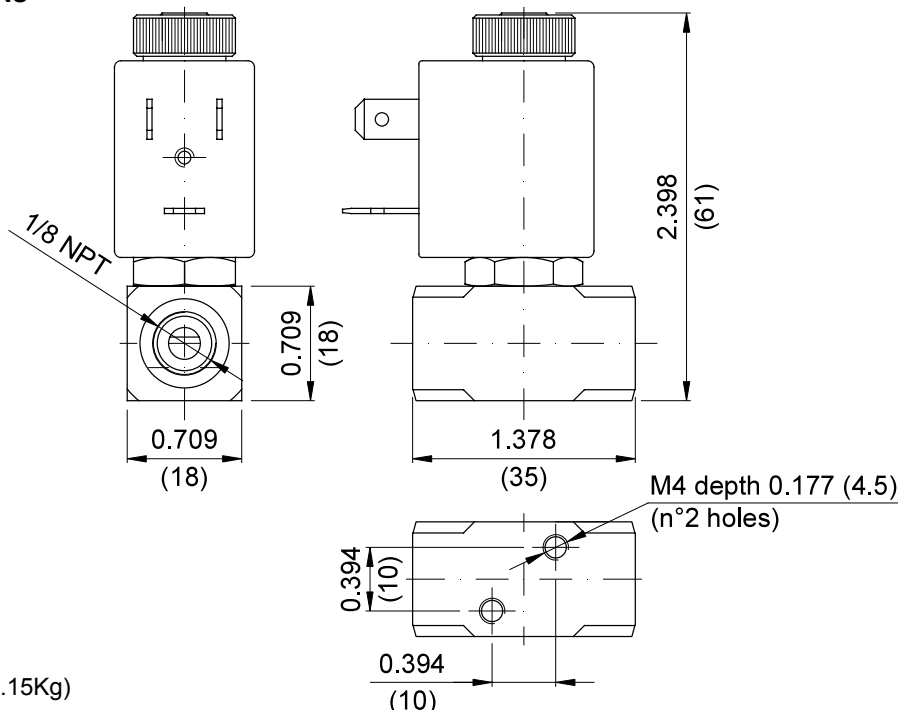
SPARE PARTS LIST

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



OVERALL DIMENSIONS

inches (mm)



Weight = 0.33lb (0.15Kg)