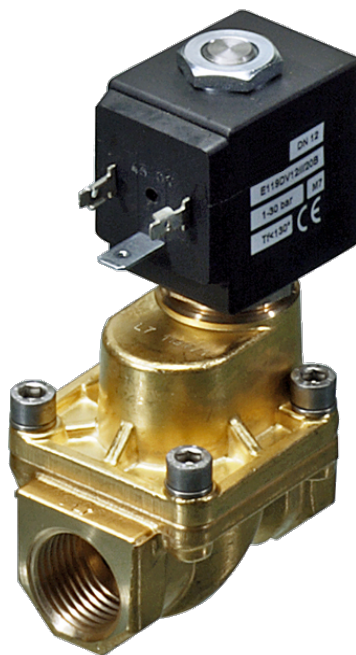


219 Series Valves



800.909.4988
info@rankinusa.com

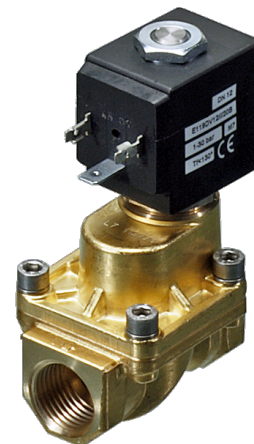
RANKIN 
COMPONENTS THAT AUTOMATE

DESCRIPTION

Solenoid valve 2 way normally open with servo-assisted piston

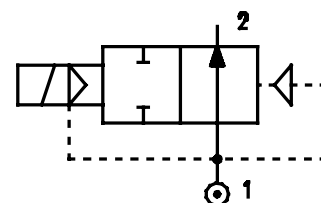
CONSTRUCTION

Body and cover	Brass
Armature tube	Brass
Plunger and core	AISI 430FR
Springs	AISI 302
Piston	Brass
Piston seal	PTFE reinforced
Seal material	Main seal PTFE, other FPM



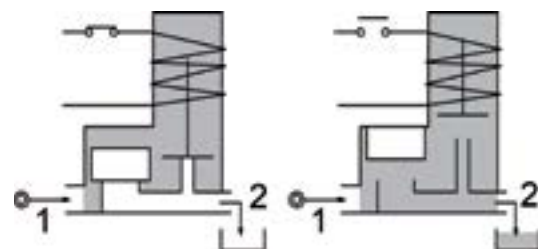
FEATURES

Minimum differential pressure 14.5psi
 Maximum fluid viscosity 25cSt (mm²/s)
 Ambient temperature: from +14°F to +176°F according to the coil
 Preferred mounting position with vertical coil above



4

OPTIONS: Electroless nickel plating
 Stainless steel armature tube



CODE	Port Size	Orifice Size		Flow Factor Cv	Operating Pressure Differential (M.O.P.D.) ②						Nominal power			Coil		Seal	Temp. range (°F)
					Min		Max				AC (VA)		DC (W)	Series	Width (mm)		
					(psi)	(bar)	(psi)	(bar)	(psi)	(bar)	Inrush	Holding					
E219CNV12///...	3/8	0.472	12	2.31	14.5	1	362	25	362	25	20	15	10	2	30	PTFE/FPM	+14 +284
E219DNV12///...	1/2	0.472	12	2.54	14.5	1	362	25	362	25							






Ordination example: E219DNV12///U251 FPM/PTFE seal, connection 1/2 NPT

① Coil

Coil 24V DC certified us and marked

② Safe Working Pressure: 580 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.

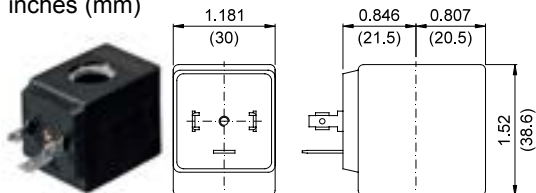
Series 219

COILS Code ①	Alternating Current						Direct Current				Electrical connection	Connectors
	24V		120V		240V		12V		24V			
Series 2 Width 30mm	U25B c  US	20B	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)

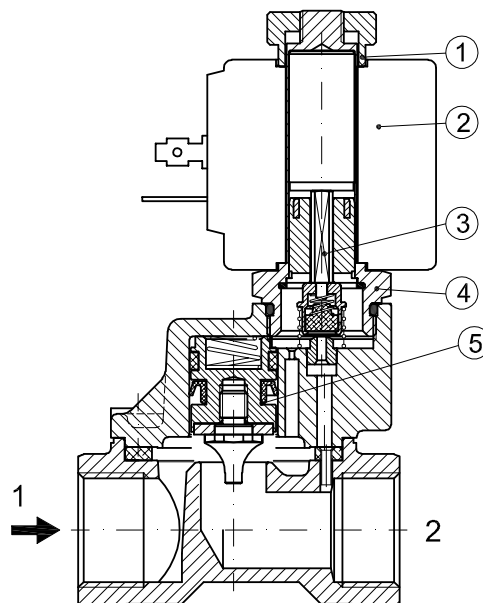
OPTIONS

Cable attached
 Special coil voltage
 Special coil powers

FOR COIL SPECIFICATION SEE SECTION 6

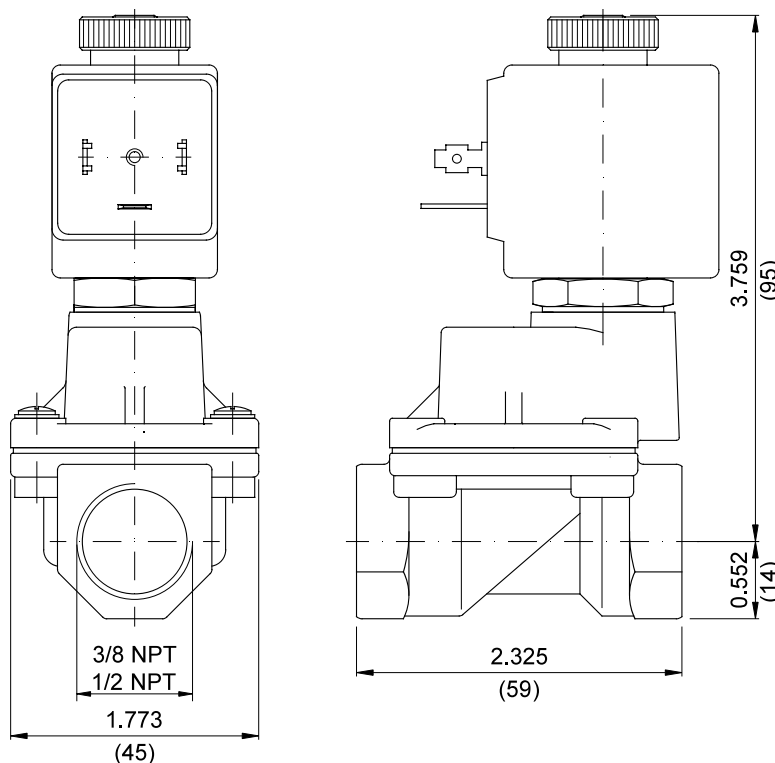
SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Seal assembly
4. Armature tube with core
5. Piston assembly



OVERALL DIMENSIONS

inches (mm)



Weight=1.39lb (0.63Kg)