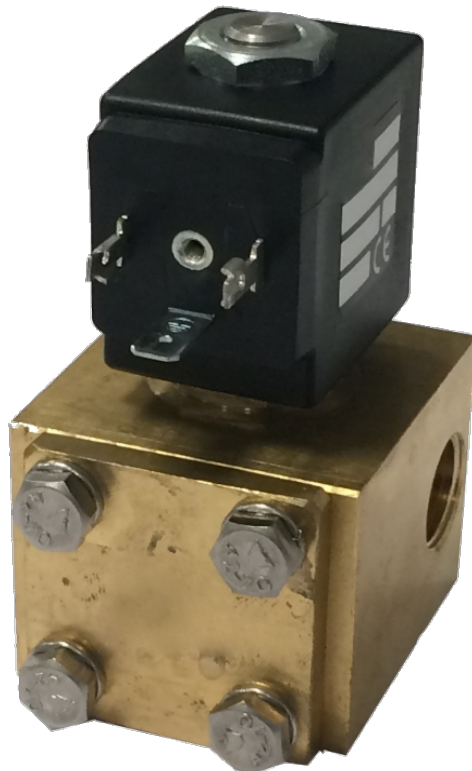


# 123 Series Valves



800.909.4988  
info@rankinusa.com

**RANKIN**   
COMPONENTS THAT AUTOMATE

## DESCRIPTION

Solenoid valve 2 way normally closed with servo-assisted piston suitable for air and water.

Its requested a minimum differential pressure of 10 psi.

## COSTRUCTION

Body and cover	Brass
Armature tube	AISI 303
Plunger and core	AISI 430FR
Piston	AISI 304
Springs	AISI 302
Seal material	main seal PTFE other FPM

## FEATURES

Minimum differential pressure 10 psi

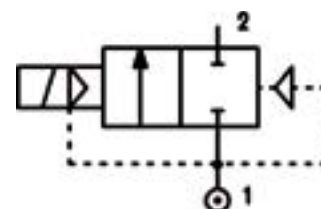
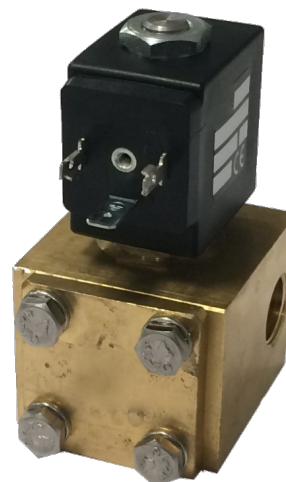
Maximum allowable pressure 2900 psi

Maximum fluid viscosity 12cSt (mm<sup>2</sup>/s)

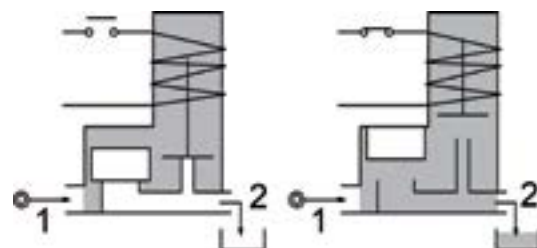
Ambient temperature: from +14°F to +176°F according to the coil

Preferred mounting position with vertical coil above

**OPTIONS:** Electroless nickel plating  
 US certified coils








**4**




CODE	Port Size GAS ISO 228	Orifice Size		Flow Factor Cv (gpm)	Operating Pressure Differential (M.O.P.D.)				Nominal power			Coil		Seal	Temp. range (°F)	
		(in)	(mm)		Min		Max		AC (VA)		DC (W)	Series	Width (mm)			
					(psi)	(bar)	(psi)	(bar)	Inrush	Holding						
E123CW07///...	3/8	0.276	7	0.97	10	0.7	1450	100	1160	80	20	15	10	2	PTFE=W	+14 +203
							2175	150	2175	150	40	30	27	5		

② Coil Example: E123CW07///201 PTFE seal  
Coil 24V DC

COILS Code ②	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
Series 5 Width 36mm	52B		52D		52F		520		521		DIN 43650A	PG11 code 10349001

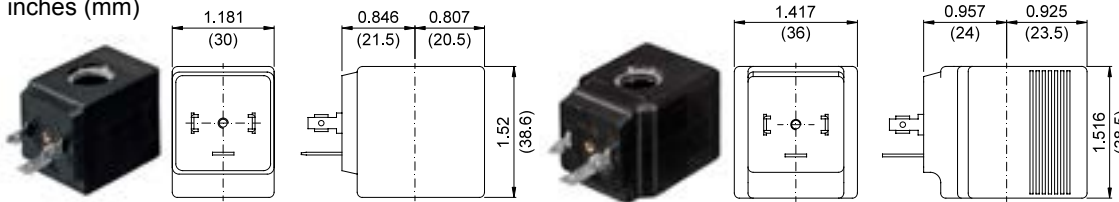
**DESCRIPTION**  
 Insulation class  
 Series 2 =F Series 5=H  
 Voltage tolerance  $\pm 10\%$   
 Protection class  
 IP65 with connector fitted  
 IP00 without connector  
 Continuous service ED100%

**OPTIONS**  
 Class H insulation (series 2)  
 Cable attached  
 Special coil voltage  
 Special coil powers  
 c  US certified coils

**FOR COIL SPECIFICATION  
 SEE SECTION 6**

### OVERALL DIMENSIONS

inches (mm)

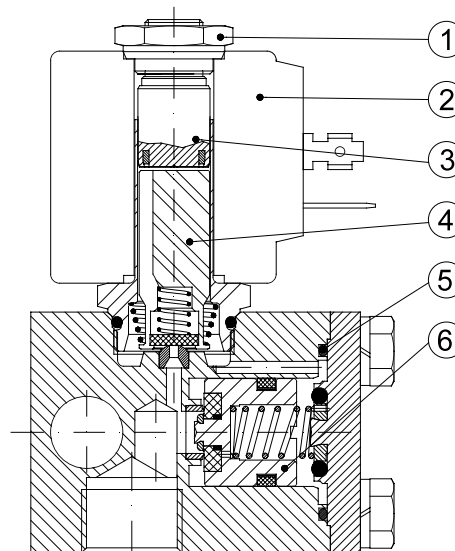


Series 2 Weight 0.26lb (0.12Kg)

Series 5 Weight 0.44lb (0.20Kg)

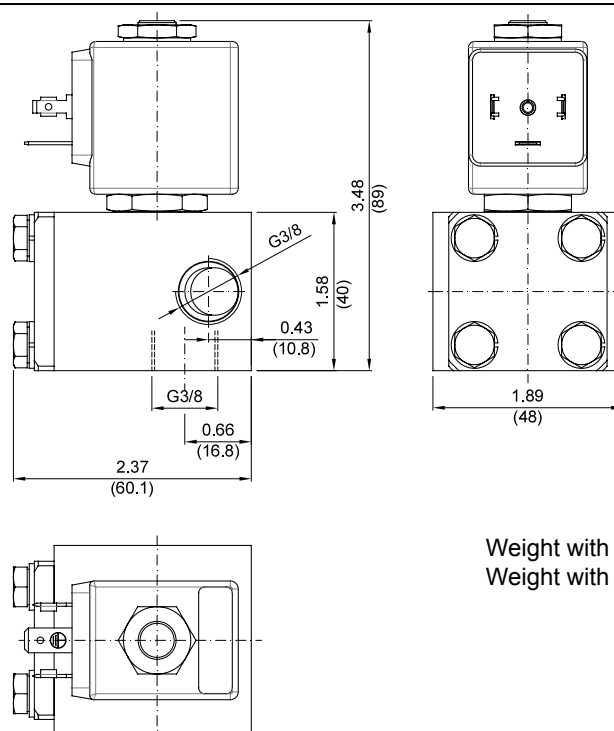
### SPARE PARTS LIST

1. Coil fixing nut
2. Coil
3. Armature tube assembly
4. Plunger assembly
5. Piston assembly
6. OR
7. OR



### OVERALL DIMENSION

inches (mm)



Weight with coil series 2 =2lb (0,91kg)  
 Weight with coil series 5 =2,18lb (0,99Kg)