

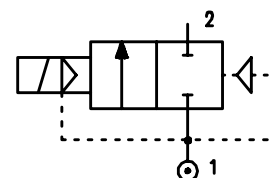
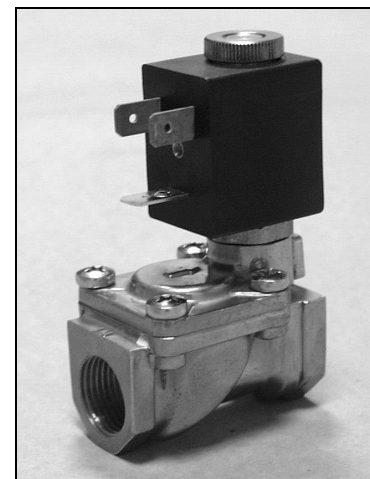
**DESCRIPTION**

Solenoid valve 2 way with servo-assisted diaphragm bi-stable.

The bi-stable function is achieved by the use of a polarised permanent magnet energising the coil with a DC current for at least 15ms in the reverse direction of the preceding impulse.

**CONSTRUCTION**

Body and cover	Brass
Armature tube	Stainless steel
Armature & core	Stainless steel
Magnet	SmCo5
Spring	Stainless steel
Seal Material	NBR
	FPM
	EPDM

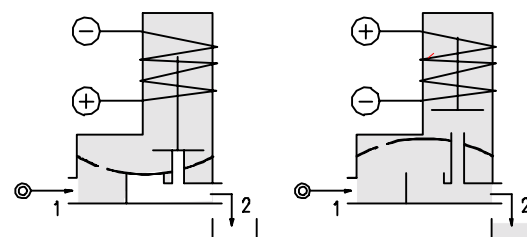


**4**

**FEATURES**

- Minimum differential pressure 0.15 bar
- Maximum allowable pressure 25 bar
- Maximum fluid viscosity 25cSt (mm<sup>2</sup>/s)
- Ambient temperature : with class F coil -10° +55°C  
with class H coil -10°+80°C
- Preferred mounting position with vertical coil above

**OPTIONS :** Electroless nickel plating  
Special power



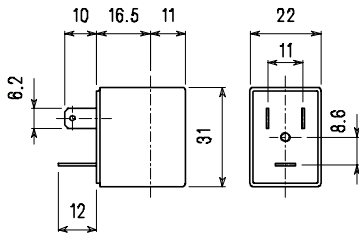
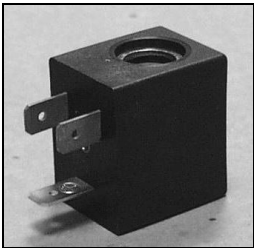
CODE ① ②	Connection BSP	Orifice mm	KV m <sup>3</sup> /h	Differential Pressure bar			Nominal Power			COIL		Seal ①	Temp. Range °C
				Min	Max		AC Inrush	VA Holding	DC Watt	Type	Width		
					AC	DC							
D117B.....10///.....	1/4"	10	1.5	0.15	---	8	---	---	2	3	22	NBR=B	-10 +90
D117B.....10///.....	1/4"	10	1.5	0.15	---	15	---	---	5	3	22		
D117C.....10///.....	3/8"	10	1.7	0.15	---	8	---	---	2	3	22		
D117C.....10///.....	3/8"	10	1.7	0.15	---	15	---	---	5	3	22		
D117C.....12///.....	3/8"	12	2	0.15	---	8	---	---	2	3	22	EPDM=E	<+140
D117C.....12///.....	3/8"	12	2	0.15	---	15	---	---	5	3	22		
D117D.....12///.....	1/2"	12	2	0.15	---	8	---	---	2	3	22		
D117D.....12///.....	1/2"	12	2.2	0.15	---	15	---	---	5	3	22		
D117E .....18///.....	3/4"	18	5.2	0.15	---	8	---	---	2	3	22	FPM=V	-10+130
D117E .....18///.....	3/4"	18	5.2	0.15	---	13	---	---	5	3	22		
D117F.....25///.....	1"	24	10.2	0.15	---	8	---	---	2	3	22		
D117F.....25///.....	1"	24	10.2	0.15	---	10	---	---	5	3	22		

4.117.A/01/02

- ① Seal
- ② Coil

Example D117DB12///301120 NBR Seal  
Coil 24V DC 2 watt

COIL	DIRECT CURRENT															Electrical Connection	Connector
	3V			6V			9V			12V			24V				
	2W	5W	6.5W	2W	5W	6.5W	2W	5W	6.5W	2W	5W	6.5W	2W	5W	6.5W		
Type 3 Width 22 Code ②	308120			305120	305150		307120	307150		300120	300150	300	301120	301150	301	DIN 46244	PG9 code 10348000



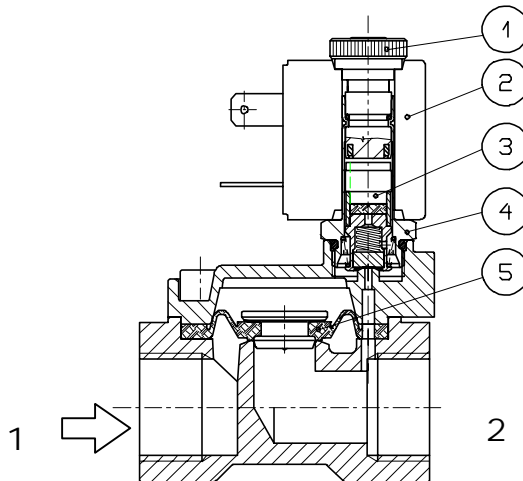
**DESCRIPTION**  
 Class F insulation  
 Voltage tolerance  $\pm 10\%$   
 Protection to IP65 with connector fitted

**OPTIONS**  
 Class H insulation  
 Special coil voltage  
 Special coil power

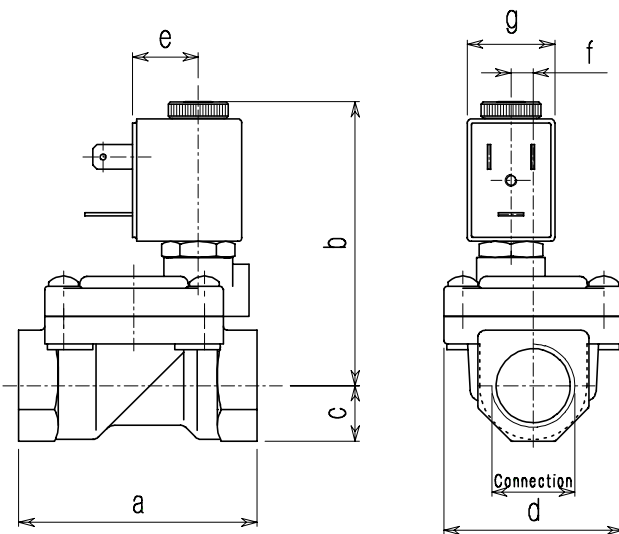
Type 3 Weight 0.05Kg

**SPARE PARTS LIST**

- 1.Coil fixing nut
- 2.Coil
- 3.Armature assembly
- 4.Armature tube with core
- 5.Diaphragm assembly



**OVERALL DIMENSION**



Connection	a	b	c	d	e	f	g	Weight kg
1/4"BSP"Ø10	47	64	11	32	16	---	22	0.25
3/8"BSP"Ø10	47	64	11	32	16	---	22	0.22
3/8"BSP"Ø12	60	73	14	45	16	6	22	0.45
1/2"BSP	60	73	14	45	16	6	22	0.40
3/4"BSP	75	75	18	55	20	8.5	22	0.66
1"BSP	96	85	20	72	32	---	22	1.20