

DESCRIPTION

Solenoid valve 2 way normally closed
with servo-assisted diaphragm.

With explosion proof coil certified for hazardous area:

ATEX II 2GDEx d IIC T6 or T5 or T4 Gb IP66

Ex tb IIC T85°C or T100°C or T135°C Db IP66

CESI 03 ATEX 344/02

Tamb -40°C ÷ +35°C(T6) or +50°C(T5) or +60°C(T4)

(other certifications e.g.. EAC, INMETRO, CCOE etc. on request)

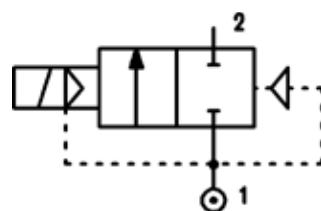


VALVE CONSTRUCTION

Body Brass
Seal material FPM, NBR

EXPLOSION PROOF COIL CONSTRUCTION

Housing Red colour alloy (painted with epoxy powder)
Electrical connection 1/2" NPT (M20x1 on request)


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FEATURES

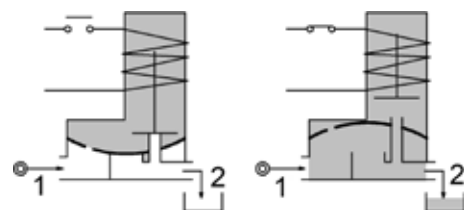
Minimum differential pressure 0.15bar

Maximum allowable pressure PS 25bar^③

Maximum fluid viscosity 25cSt (mm²/s)

Ambient temperature: -40°C ÷ +35°C(T6), +50°C(T5), +60°C(T4)

Mounting position with vertical coil above



OPTIONS: Electroless nickel-plating

Versions with slow closing diaphragm

CODE ②	Connection G ISO 228	Orifice mm	Kv m ³ /h	Differential pressure bar			Nominal power		Coil Series	Seal	Temp. range °C
				Min	Max AC	Max DC	AC Holding	DC			
A107BV10/1/...	1/4"	10	1.5	0.15	15	15	12 VA	8W	A6	FPM=V	-10 +140
A107CV10/1/...	3/8"	10	1.7	0.15	15	15					
A107CV12/1/...	3/8"	12	2.2	0.15	15	15					
A107DV12/1/...	1/2"	12	2.5	0.15	15	15					
A107EV18/1/...	3/4"	18	5.5	0.15	13	13					
A107FV25/1/...	1"	25	10.2	0.15	10	10					
A107GV30/1/...	1"1/4	30	15	0.15	10	10					
A107GV37/1/...	1"1/4	37	18	0.15	10	10					
A107HV37/1/...	1"1/2	37	21	0.15	10	10					
A107IV50/1/...	2"	50	36	0.15	10	10					
A107MB75/1/...	2"1/2	75	75	0.3	5	5				NBR=B	-10 +90
A107RB75/1/...	3"	75	84	0.3	5	5					

② Coil

③ **G2"1/2 e G3" SOLENOID VALVES**

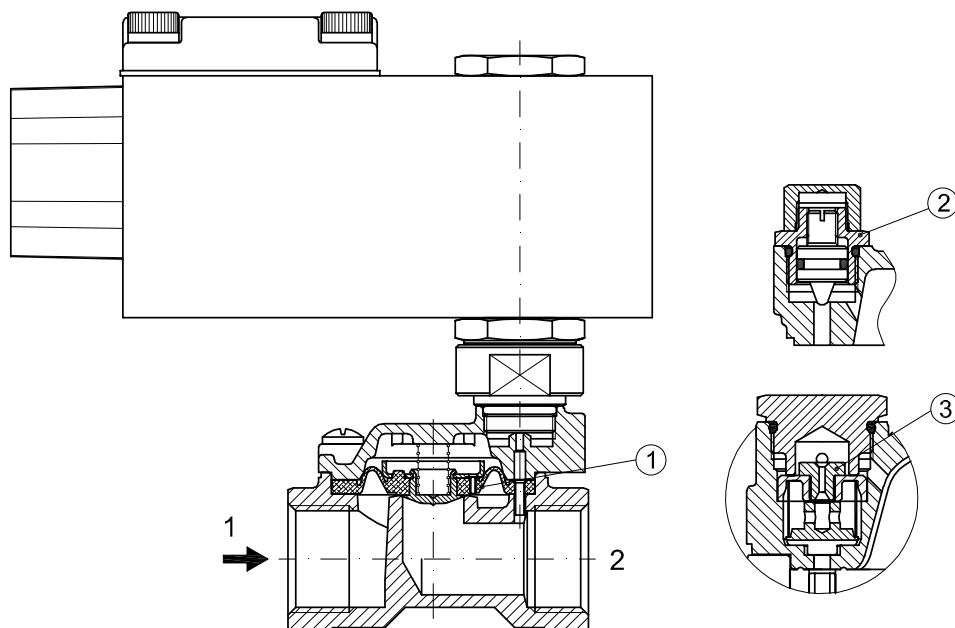
For applications with fluids listed in chapter 3 / group 1 of the PED Directive 2014/68 / EU (potentially hazardous or explosive fluids / mixtures) consider a PS value reduced to 15 bar max.

COILS ②	Alternating Current 50/60Hz (V)				Direct Current (V)			Electrical connection
	24	48	110	220 230	12	24	48	
Series A6	A6B	A6C	A6D	A6E	A60	A61	A62	1/2" NPT

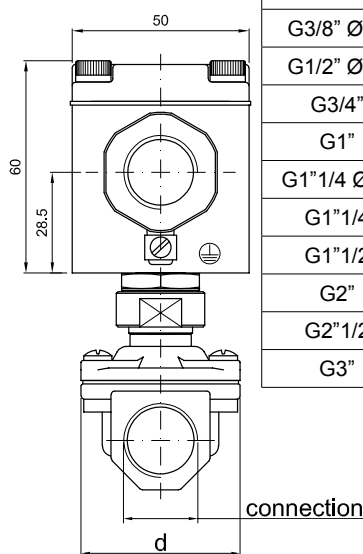
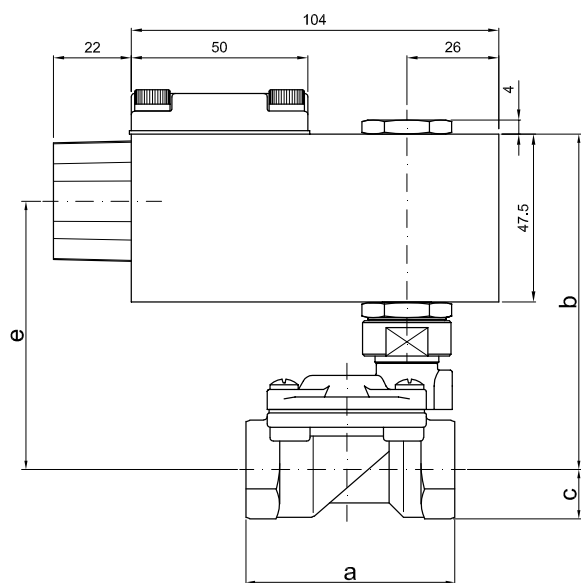
DESCRIPTION
Voltage tolerance
AC +15% -10%
DC ± 10%
Protection class IP66
Continuous service ED100%

SPARE PARTS LIST

1. Diaphragm assembly
2. Speed control valve
3. Water hammering reducer
Ø0.8-Ø1.2-Ø1.5 (G2"1/2-3")



OVERALL DIMENSION



CONNECTION	a	b	c	d	e	weight Kg
G1/4" Ø10	49	90	11	32	71	0.72
G3/8" Ø10	49	90	11	32	71	0.72
G3/8" Ø12	59	95	14	45	76	0.92
G1/2" Ø12	59	95	14	45	76	0.92
G3/4"	79	101	18	54	82	1.10
G1"	96	110	20	72	91	1.50
G1"1/4 Ø30	119	118	25	85	99	2.27
G1"1/4	142	110	28	102	91	3.33
G1"1/2	142	110	28	102	91	3.12
G2"	158	119	35	119	100	4.72
G2"1/2	226	138	51	169	119	10.4
G3"	226	138	51	169	119	10