

DESCRIPTION

Solenoid valve 2 way normally closed in stainless steel AIS 316 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)

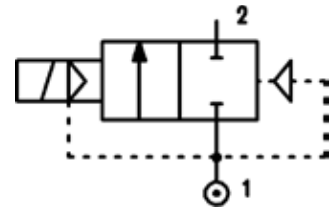


VALVE CONSTRUCTION

Body AISI 3116
Seal material FPM, NBR

EXPLOSION PROOF COIL CONSTRUCTION

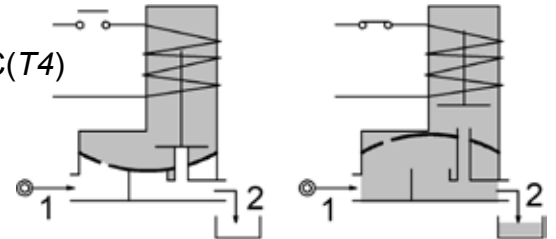
Housing Red colour alloy (painted with epoxy powder)
Electrical connection 1/2" NPT (M20x1 on request)


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FEATURES

Minimum allowable pressure 0.15bar
Maximum allowable pressure PS 25bar
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: Versions with slow closing diaphragm



NOTE: The solenoid valve is suitable only with media that are **NOT** potentially explosive

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 Holding	DC			
A177CV12/1/...	3/8"	12	2.2	0.15	15	15	12 VA	8W	A6	FPM=V	-10 +140
A177DV12/1/...	1/2"	12	2.5	0.15	15	15					
A177EV18/1/...	3/4"	18	5.5	0.15	13	13					
A177FV25/1/...	1"	25	10.2	0.15	10	10					

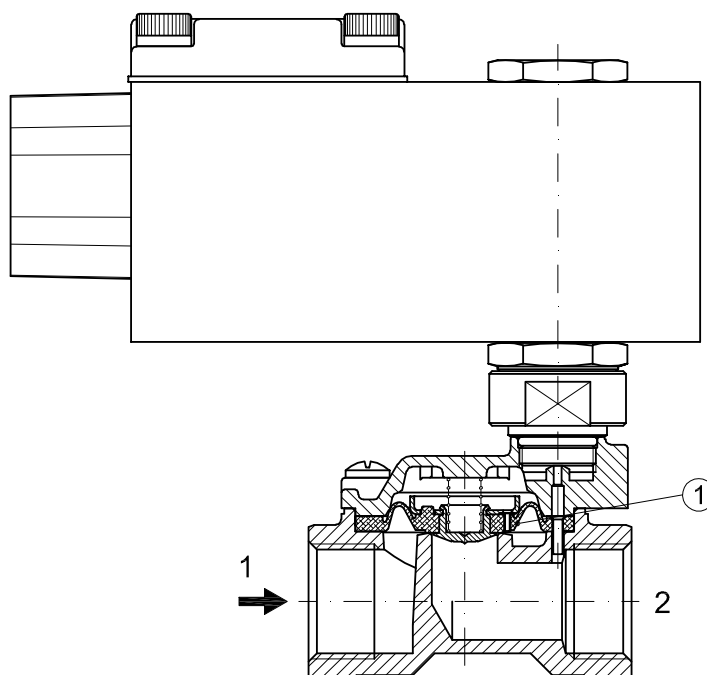
② Coil

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

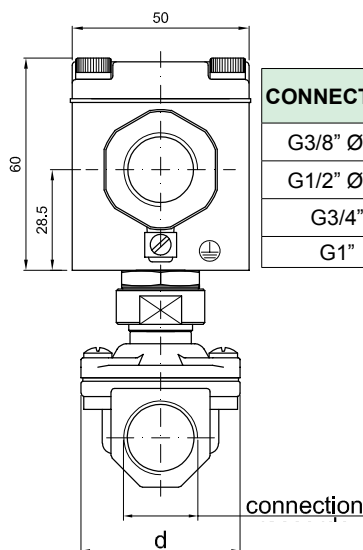
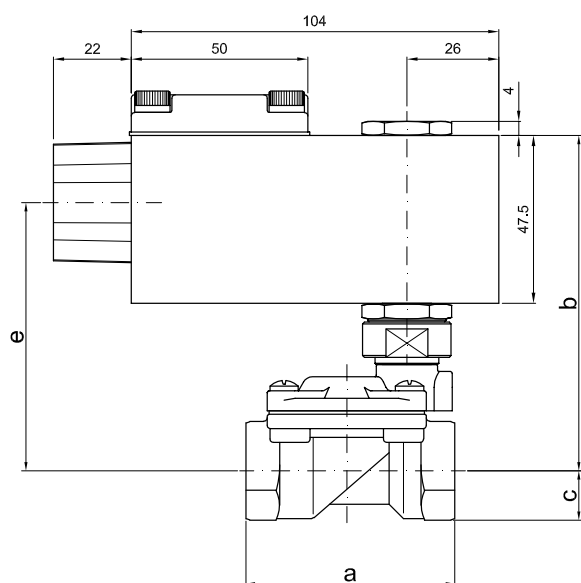
DESCRIPTION
Voltage tolerance
AC +15% -10%
DC $\pm 10\%$
Protection class IP66
Continuous service ED100%

SPARE PARTS LIST

1. Diaphragm assembly



OVERALL DIMENSION



CONNECTION	a	b	c	d	e	weight Kg
G3/8" Ø12	59	95	14	45	76	1.12
G1/2" Ø12	59	95	14	45	76	1.14
G3/4"	79	101	18	54	82	1.37
G1"	96	110	20	72	91	1.77