

DESCRIPTION

Solenoid valve 2 way normally closed in stainless steel AISI 316 direct acting poppet type.

With explosion proof coil certified for hazardous area:

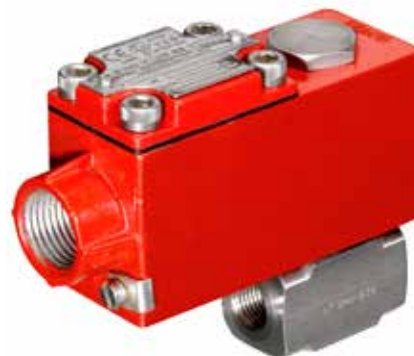
ATEX II 2GDEx d IIC T6 or T5 or T4 Gb IP66

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)



2

VALVE CONSTRUCTION

Body	AISI 316
Armature tube	AISI 316
Plunger and core	AISI 430FR
Shading ring	Silver
Springs	AISI 316
Seal	NBR - FPM - EPDM



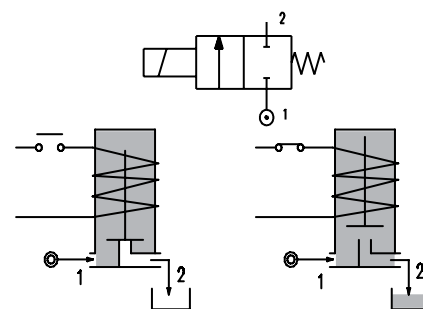
Alloy housing
(series A6)



S.Steel housing
(series X6)

EXPLOSION PROOF COIL CONSTRUCTION

Housing	Red colour alloy (coil A6) Stainless steel (coil X6)
Electrical connection	1/2" NPT (M20x1 on request)



FEATURES

Maximum allowable pressure PS 100bar

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

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

CODE ① ② ③	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			
A170... ..10///...	1/4"	1	0.04	0	80	80	12 VA	8W	A6 or X6	NBR=B EPDM=E FPM=V	-10 +80
A170... ..12///...		1.2	0.05	0	60	60					
A170... ..15///...		1.5	0.07	0	30	26					
A170... ..20///...		2	0.1	0	22	20					
A170... ..25///...	3/8"	2.5	0.15	0	16	14					
A170... ..30///...		3	0.25	0	15	10					
A170... ..35///...		3.5	0.32	0	10	8					
A170... ..40///...		4	0.36	0	8	5					
A170... ..45///...	1/2"	4.5	0.41	0	6.5	3.5					

① Connection: B=1/4", C=3/8", D=1/2"

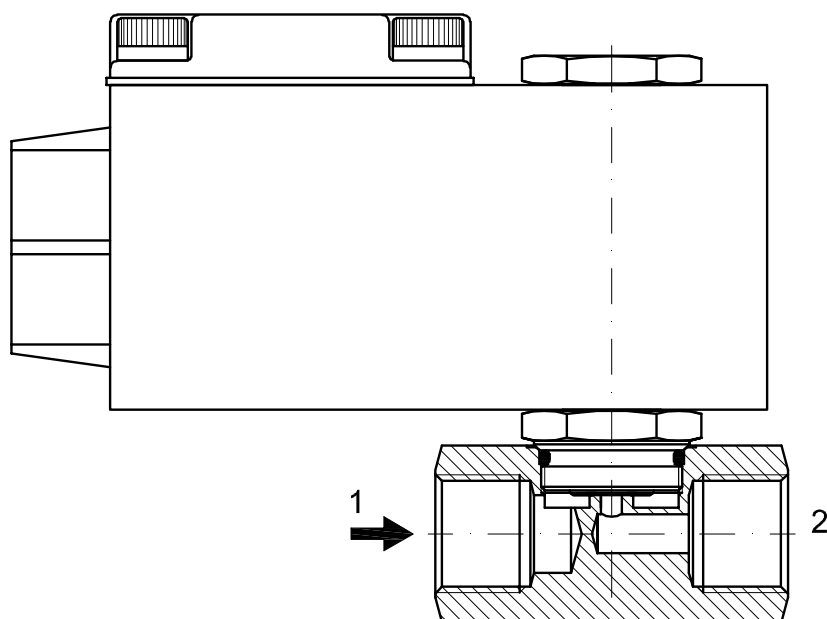
② Seal

③ Coil

Example: A170BV12///A6B - connections G1/4", FPM seal, 24V AC, alloy housing

A170BV12///X6B - connections G1/4", FPM seal, 24V AC, stainless steel housing

COILS ②	Alternating Current 50/60Hz (V)				Direct Current (V)			Electrical connection	DESCRIPTION Voltage tolerance AC +15% -10% DC ± 10% Protection class IP66 Continuous service ED100%
	24	48	110	220 230	12	24	48		
Series A6 alloy housing	A6B	A6C	A6D	A6E	A60	A61	A62	1/2” NPT	
Series X6 s.steel housing	X6B	X6C	X6D	X6E	X60	X61	X62		



OVERALL DIMENSION

The data in brackets refer to the X6 series coil ...

