

2/2 NC

3/8" → 1"

Pag. 12.3

Ex

Series X6F

Coils & Connectors



30 mm

Series C

Page 15.4

UL US
CSA C22.2



30 mm

Series D

Page 15.5

UL US
CSA C22.2



36 mm

Series E

Page 15.6

UL US
CSA C22.2



Connectors

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UL US
CSA C22.2

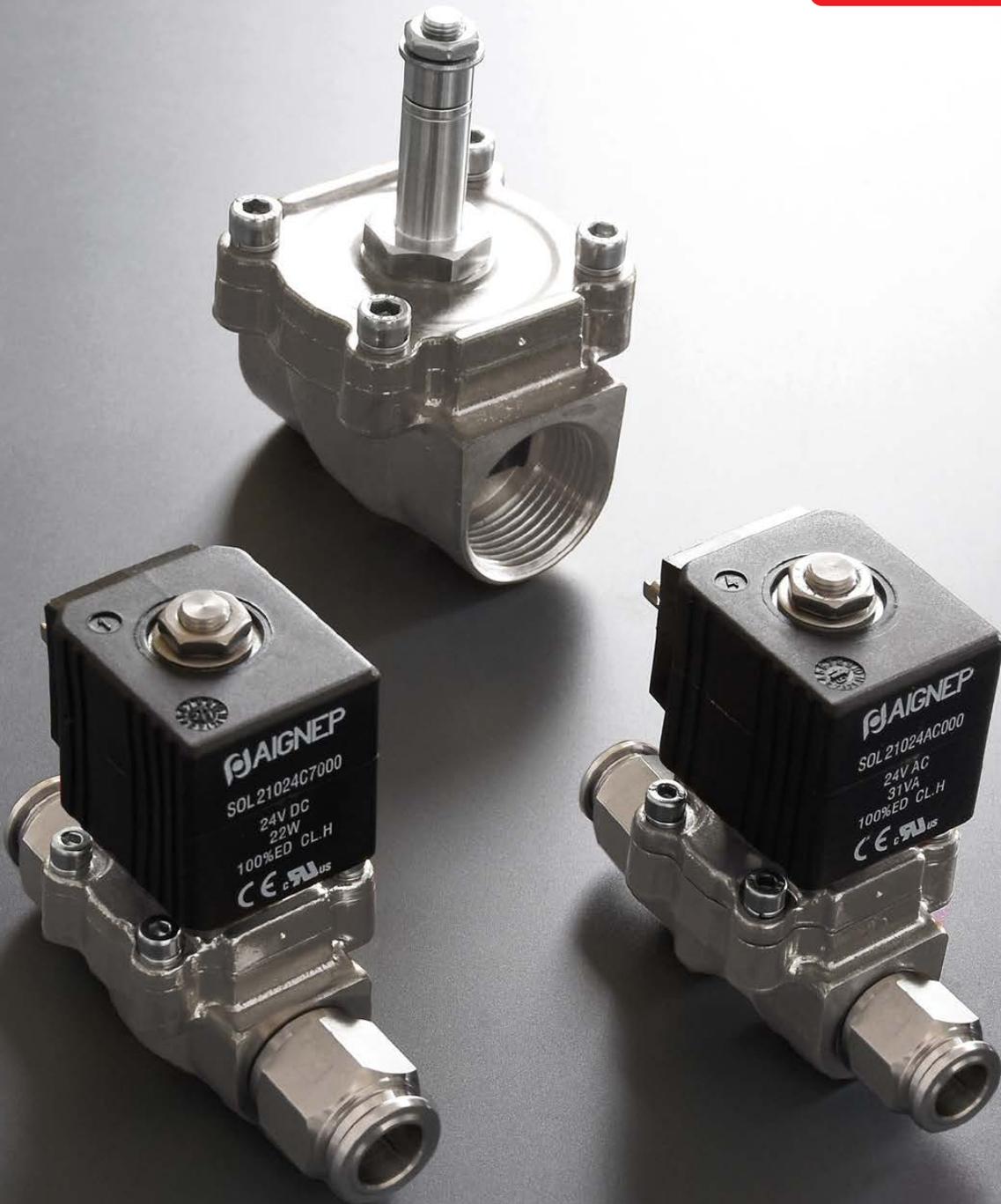
ASSISTED-LIFT DIAPHRAGM SOLENOID VALVES IN STAINLESS STEEL AISI 316L


II 2 G/D Ex h


cRU US
CSA C22.2

AISI 316L

$\Delta P = 0$ psi



Series X6F

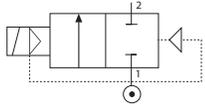
Series X6F

ASSISTED-LIFT DIAPHRAGM SOLENOID VALVES - $\Delta P = 0$ bar

2/2 NC

$\Delta P = 0$ psi

1/4" → 1"



Component Parts and Materials

- 1 Body: Stainless steel AISI 316L
- 2 Seals: NBR - EPDM - FKM
- 3 Armature tube: Stainless steel
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel
- 6 Shading ring: Copper



General features - X6F

- Recommended horizontal mounting position
- Operator kit \varnothing 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

363 psi (25 bar)



Compatibility and materials table

Page 0.13 - 0.14



Room temperature with coil class H

+14°F +176°F
-10°C +80°C



Applications

- Water, Oils, Neutral and corrosive liquids
- Car washes, Washing systems
- Industrial processes, Tank draining
- Air, Inert and aggressive gases
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
X 6 F	0 4	1	1 4	N	0	N	C A
	04 = 3/8"	1 = 2/2 NC	14 = 35/64 (14)	N = NBR	0 = Standard	N = NPTF	C = C series - SOL20 A = 12V DC
	05 = 1/2"		18 = 45/64 (18)	E = EPDM			D = D series - SOL20 B = 24V DC
	07 = 3/4"		25 = 1 (25)	V = FKM			E = E series - SOL21 1 = 24V AC
	09 = 1"						2 = 110V AC
							3 = 220V AC

Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

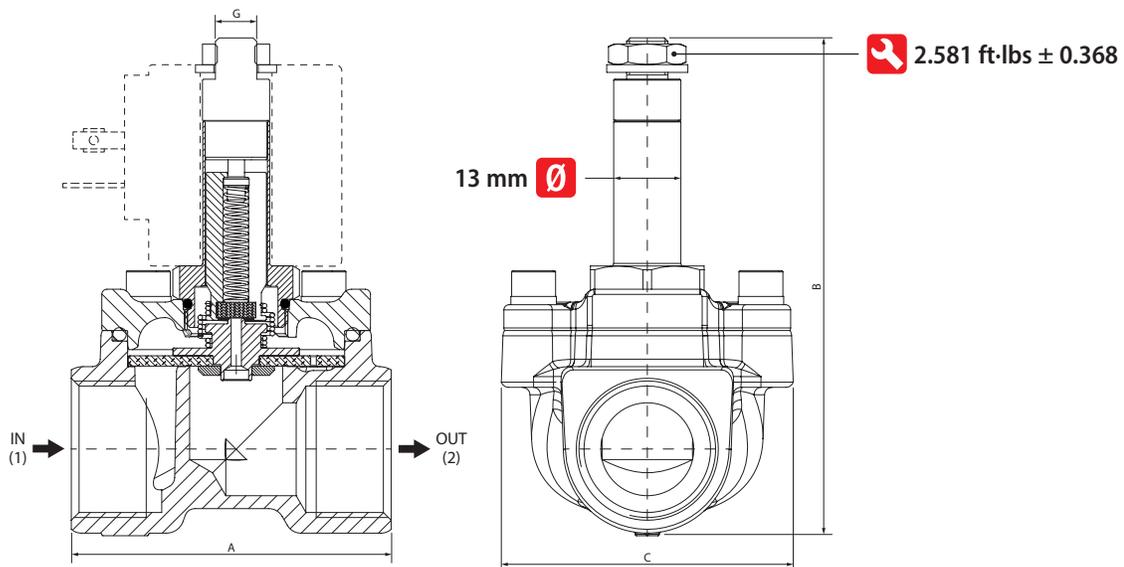
Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)		
						gpm (m ³ /h)	psi (bar)	
							Min	Max DC
X6F 04 1 14_0 N	N = NBR +14°F +194°F (-10°C +90°C) V = FKM +14°F +284°F (-10°C +140°C) E = EPDM +14°F +284°F (-10°C +140°C)	3/8"	35/64 (14)	25	3.15 (2.73)	0	-	174 (12)
14 (1)							203 (14)	
X6F 05 1 14_0 N		1/2"	35/64 (14)	25	3.37 (2.92)	0	-	174 (12)
14 (1)							203 (14)	
X6F 07 1 18_0 N	3/4"	45/64 (18)	25	4.71 (4.08)	0	-	174 (12)	
14 (1)						203 (14)		
X6F 09 1 25_0 N	1"	1 (25)	25	7.66 (6.63)	0	-	145 (10)	
72 (5)						217 (15)		

Power		Coils	
DC	AC	Size	Series
W	VA	mm	C - Page 15.4 D - Page 15.5 E - Page 15.6
-	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21
-	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21
-	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21
-	14	30	C - SOL20
-	21	30	D - SOL20
22	31	36	E - SOL21

① Select seal material

With steam: EPDM - P max = 36 psi (2.5 bar)

Coil not included



Size	A inch (mm)	B inch (mm)	C inch (mm)	G
3/8"	2.047 (52)	3.582 (91)	1.830 (46.5)	M8 x 1
1/2"	2.047 (52)	3.582 (91)	1.830 (46.5)	M8 x 1
3/4"	2.440 (62)	3.799 (96.5)	2.224 (56.5)	M8 x 1
1"	2.854 (72.5)	4.133 (105)	2.598 (66)	M8 x 1