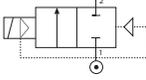




2/2 NC



3/8" → 1"



Pag. 11.3



30 mm

Series C



Page 15.4



30 mm

Series D



Page 15.5



36 mm

Series E



Page 15.6



Connectors



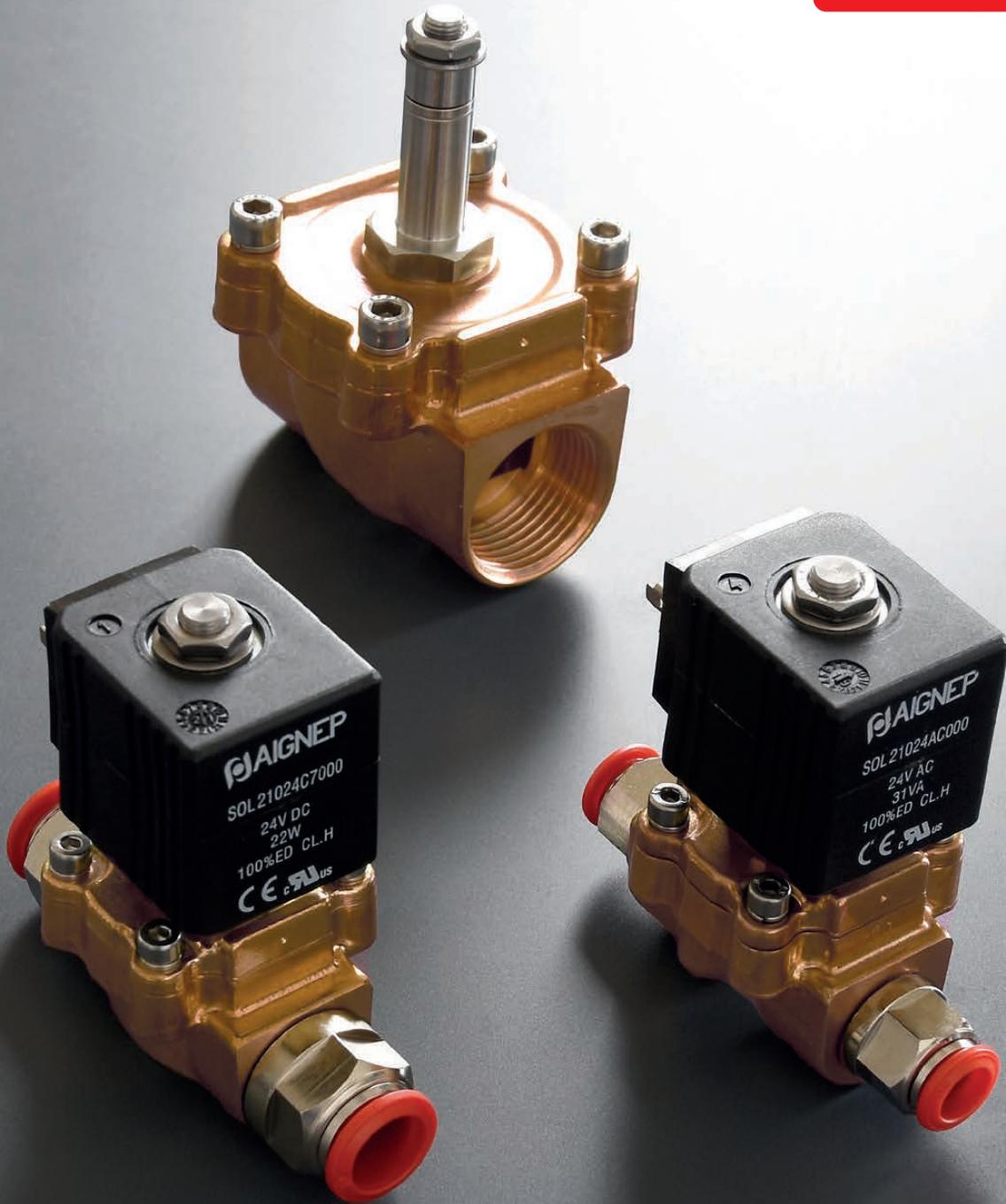
Page 15.8 - 15.10

ASSISTED-LIFT DIAPHRAGM SOLENOID VALVES

Ex
II 2 G/D Ex h

UL US
CSA C22.2

$\Delta P = 0$ psi



Series 06F

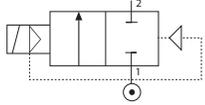
Series 06F

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: Brass CW617N
- 2 Seals: NBR - EPDM - FKM
- 3 Armature tube: Stainless steel
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



General features - 06F

- 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, Neutral liquids, Oils
- Car washes, Washing systems
- Industrial processes, Tank draining
- Air and Inert gases
- Vacuum, Packaging
- Oxygen, Steam, Medical, Sterilizers



Ordering codes

| Series | Port size | Functions | Orifice inch (mm) | Sealing materials | Version | Thread | Suitable coils |
|--------------|------------|------------|----------------------|-------------------|--------------|----------|--------------------------------------|
| 0 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.

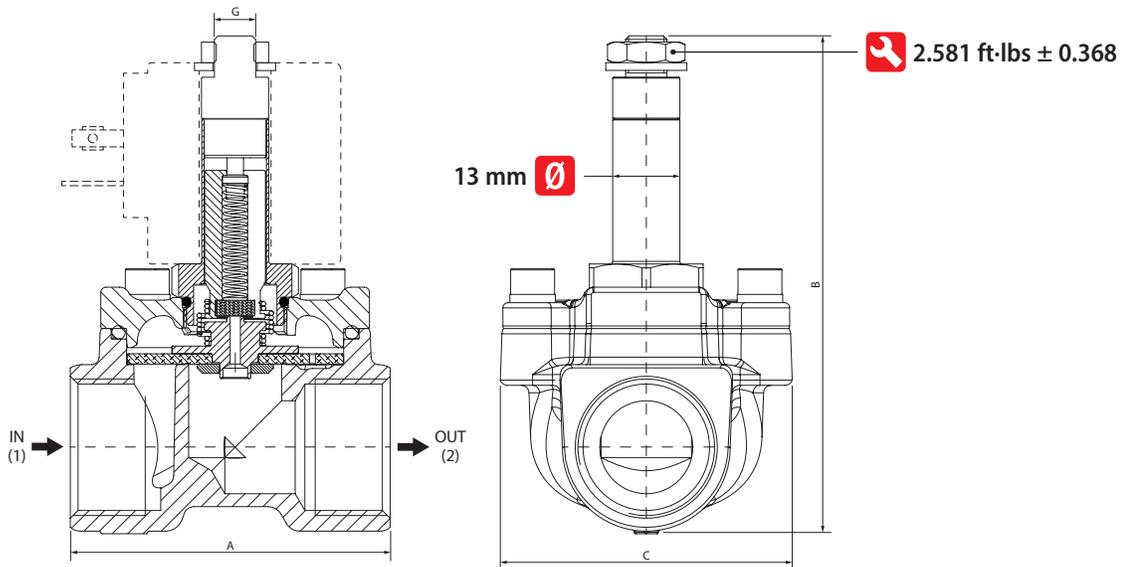
| Code | Sealing materials | Port size | Ø Orifice | Viscosity | Cv (Kv) | Differential pressure (OPD) | | |
|------------------------|---|-----------|------------|-----------|-------------|-----------------------------|-----------|----------|
| | | | | | | gpm (m ³ /h) | psi (bar) | |
| | | | | | | | Min | Max DC |
| 06F 04 1 14_0 N | N = NBR +14°F +194°F (-10°C +90°C) | 3/8" | 35/64 (14) | 25 | 3.15 (2.73) | 0 | - | 174 (12) |
| 14 (1) | | | | | | | 203 (14) | |
| 06F 05 1 14_0 N | | 1/2" | 35/64 (14) | 25 | 3.37 (2.92) | 0 | - | 174 (12) |
| 14 (1) | | | | | | | 203 (14) | |
| 06F 07 1 18_0 N | V = FKM +14°F +284°F (-10°C +140°C) | 3/4" | 45/64 (18) | 25 | 4.71 (4.08) | 0 | - | 174 (12) |
| 14 (1) | | | | | | | 203 (14) | |
| 06F 09 1 25_0 N | E = EPDM +14°F +284°F (-10°C +140°C) | 1" | 1 (25) | 25 | 7.66 (6.63) | 0 | - | 145 (10) |
| - | | | | | | | 174 (12) | |

| 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 |