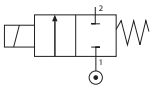
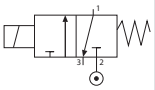
2/2 NC



1/8" - 1/4"

Page 5.2

3/2 NC



1/8" - 1/4"

Page 5.4

36 mm

Series N

Page 17.7

AIGNEP

DIRECT ACTING SOLENOID VALVES IN STAINLESS STEEL 316L

II 2 G/D Ex h

AISI 316L

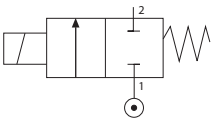
Series X1C

Series X1C

DIRECT ACTING SOLENOID VALVES WITH BODY IN STAINLESS STEEL AISI 316L

2/2 NC

1/8" - 1/4"



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 - X1C

- Universal mounting position
- Operator kit Ø 9 mm
- Coils: Series SOL03

Maximum allowable pressure

580 psi (40 bar)

Compatibility and materials table

Page 0.13 - 0.14

Room temperature with coil class H

+14°F *-10°C* **+140°F** *+60°C*

Applications

- Water, Oils, Corrosive liquids
- Air, Inert and aggressive gases, Vacuum
- Food industry
- Laser cutting, Welding, Metallurgy
- Oxygen, Steam, Medical
- Chemical and Petrochemical Industry

Ordering codes

Series	Port size	Functions	Orifice *inch (mm)*	Sealing materials	Version	Thread
X1C	02 = 1/8" 03 = 1/4"	1 = 2/2 NC	15 = 1/16 *(1.5)* 02 = 5/64 *(2)* 25 = 3/32 *(2.5)*	N = NBR E = EPDM V = FKM	0 = Standard	N = NPTF

Suitable coils	
N = N series - SOL03	A = 12V DC B = 24V DC 6 = 120V AC 4 = 240V AC

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

COILS: SERIES N PAGE: 17.7

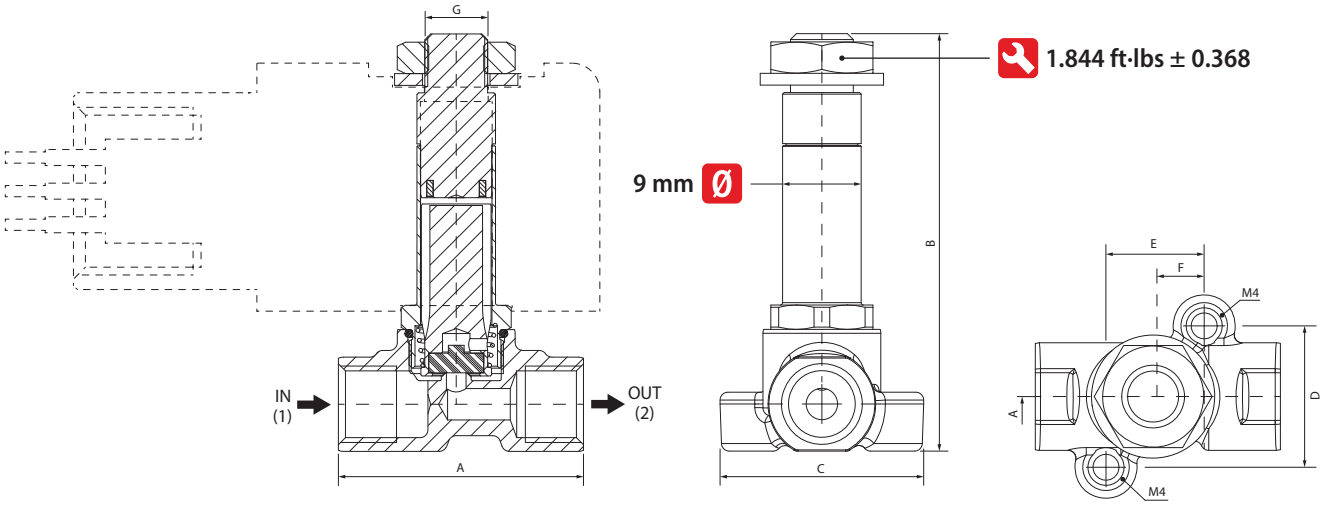
Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)			Power		Coils	
						psi (bar)			DC	AC	Size	Series N - Page 17.7
①	①	NPTF	inch (mm)	cSt	gpm (m^3/h)	Min	Max DC	Max AC	W	VA	mm	
X1C 02 1 15 _ 0 N	N = NBR +14°F +194°F (-10°C +90°C) V = FKM +14°F +284°F (-10°C +140°C) E = EPDM +14°F +284°F (-10°C +140°C)	1/8"	1/16 (1.5)	25	0.07 (0.06)	0	580 (40)	580 (40)	4.6	6.8	36	N - SOL03 *
X1C 02 1 02 _ 0 N			5/64 (2)	37	0.10 (0.09)	0	435 (30)	580 (40)				
X1C 02 1 25 _ 0 N			3/32 (2.5)	53	0.17 (0.15)	0	145 (10)	290 (20)				
X1C 03 1 15 _ 0 N		1/4"	1/16 (1.5)	25	0.07 (0.06)	0	580 (40)	580 (40)				
X1C 03 1 20 _ 0 N			5/64 (2)	37	0.10 (0.09)	0	435 (30)	580 (40)				
X1C 03 1 25 _ 0 N			3/32 (2.5)	53	0.17 (0.15)	0	145 (10)	290 (20)				

① Select seal material

* *COIL SERIES N - SOL03*
Ex m II T4 and Division 1

Specifications in accordance to CSA certificate:
- Class I, Division 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III;
- Class I, Division 2, Groups A, B, C, D.

Specifications in accordance to FM certificate:
- Explosionproof Class I, Division 1, Groups A, B, C, D, T4, Ta=60°C
- Encapsulation/explosionproof Class I, Zone 1, AEx m II T4, Ta=60°C
- Dust-ignitionproof for Class II/III, Division 1, Group E, F and G, T4, Ta=60°C
- Nonincendive Class I, Division 2, Groups A, B, C, D, T4, Ta=60°C
- Suitable for Class II, III, Division 2, Groups E, F, G, T4, Ta=60°C



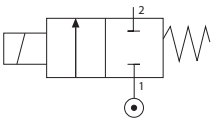
Size	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)	E inch (mm)	F inch (mm)	G
1/8"	1.228 (31.2)	2.090 (53.1)	1.019 (25.9)	0.708 (18)	0.492 (12.5)	0.255 (6.5)	M8 x 0.75
1/4"	1.456 (37)	2.208 (56.1)	1.141 (29)	0.826 (21)	0.472 (12)	0.236 (6)	M8 x 0.75

Series X1C

DIRECT ACTING SOLENOID VALVES WITH BODY IN STAINLESS STEEL AISI 316L

3/2 NC

1/8" - 1/4"



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 - X1C

- Universal mounting position
- Operator kit Ø 9 mm
- Coils: Series SOL03

Maximum allowable pressure

580 psi (40 bar)

Compatibility and materials table

Page 0.13 - 0.14

Room temperature with coil class H

+14°F *-10°C* **+140°F** *+60°C*

Applications

- Water, Oils, Corrosive liquids
- Air, Inert and aggressive gases, Vacuum
- Food industry
- Laser cutting, Welding, Metallurgy
- Oxygen, Steam, Medical
- Chemical and Petrochemical Industry

Ordering codes

Series	Port size	Functions	Orifice *inch (mm)*	Sealing materials	Version	Thread
X1C	02	3	15	N	0	N

- **Port size:** 02 = 1/8" · 03 = 1/4"
- **Functions:** 3 = 3/2 NC
- **Orifice:** 15 = 1/16 *(1.5)* · 02 = 5/64 *(2)* · 25 = 3/32 *(2.5)*
- **Sealing materials:** N = NBR · E = EPDM · V = FKM
- **Version:** 0 = Standard
- **Thread:** N = NPTF

Suitable coils

N	A
N = N series - SOL03	A = 12V DC B = 24V DC 6 = 120V AC 4 = 240V AC

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

COILS: SERIES N PAGE: 17.7

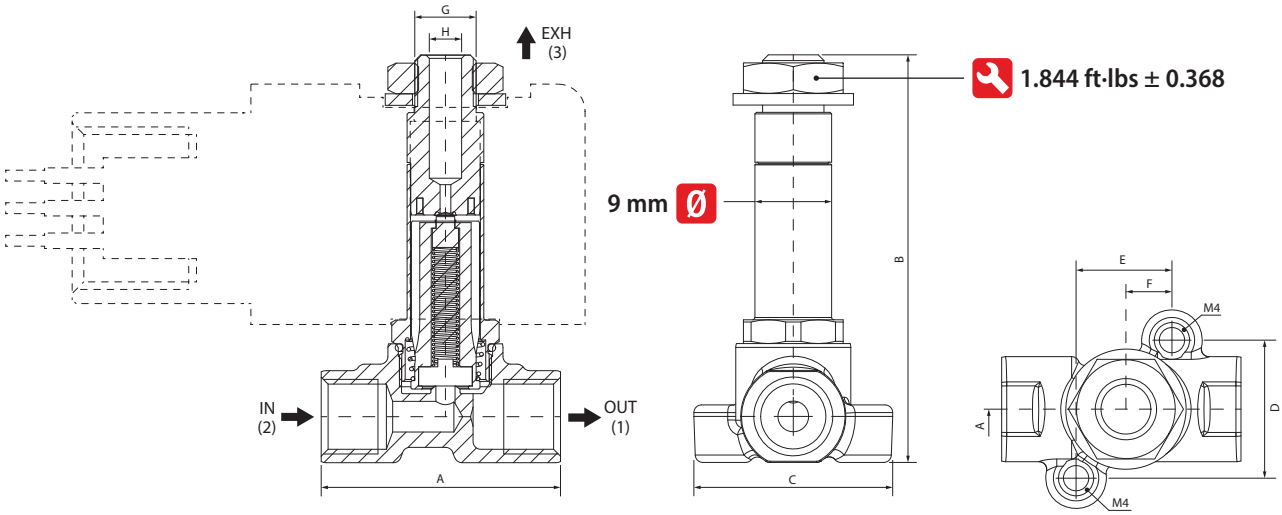
Code	Sealing materials	Port size	Ø Orifice		Viscosity	Cv (Kv)		Differential pressure (OPD)			Power		Coils	
		NPTF	inch (mm)		cSt	gpm (m^3/h)		psi (bar)			DC	AC	Size	Series N - Page 17.7
①	①		IN	EXH		IN	EXH	Min	Max DC	Max AC	W	VA	mm	
X1C 02 3 15 _ 0 N	N = NBR +14°F +194°F (-10°C +90°C) V = FKM +14°F +284°F (-10°C +140°C) E = EPDM +14°F +284°F (-10°C +140°C)	1/8"	1/16 (1.5)	1/16 (1.4)	25	0.07 (0.06)	0.06 (0.05)	0	137 (9.5)	137 (9.5)	4.6	6.8	36	N - SOL03 *
X1C 02 3 02 _ 0 N			5/64 (2)	1/16 (1.4)	37	0.10 (0.09)	0.06 (0.05)	0	72 (5)	72 (5)				
X1C 02 3 25 _ 0 N			3/32 (2.5)	1/16 (1.4)	53	0.17 (0.15)	0.06 (0.05)	0	43 (3)	43 (3)				
X1C 03 3 15 _ 0 N		1/4"	1/16 (1.5)	1/16 (1.4)	25	0.07 (0.06)	0.06 (0.05)	0	137 (9.5)	137 (9.5)				
X1C 03 3 20 _ 0 N			5/64 (2)	1/16 (1.4)	37	0.10 (0.09)	0.06 (0.05)	0	72 (5)	72 (5)				
X1C 03 3 25 _ 0 N			3/32 (2.5)	1/16 (1.4)	53	0.17 (0.15)	0.06 (0.05)	0	43 (3)	43 (3)				

① Select seal material

* ***COIL SERIES N - SOL03***
Ex m II T4 and Division 1

Specifications in accordance to CSA certificate:
- Class I, Division 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III;
- Class I, Division 2, Groups A, B, C, D.

Specifications in accordance to FM certificate:
- Explosionproof Class I, Division 1, Groups A, B, C, D, T4, Ta=60°C
- Encapsulation/explosionproof Class I, Zone 1, AEx m II T4, Ta=60°C
- Dust-ignitionproof for Class II/III, Division 1, Group E, F and G, T4, Ta=60°C
- Nonincendive Class I, Division 2, Groups A, B, C, D, T4, Ta=60°C
- Suitable for Class II, III, Division 2, Groups E, F, G, T4, Ta=60°C



Size	A	B	C	D	E	F	G	H
	inch (mm)	*inch (mm)*	*inch (mm)*	*inch (mm)*	*inch (mm)*	*inch (mm)*		
1/8"	1.228 (31.2)	2.090 (53.1)	1.019 (25.9)	0.708 (18)	0.492 (12.5)	0.236 (6)	M8 x 0.75	M5
1/4"	1.456 (37)	2.208 (56.1)	1.141 (29)	0.826 (21)	0.472 (12)	0.236 (6)	M8 x 0.75	M5