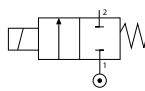




2/2 NC



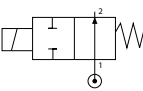
1/8" - 1/4"

Page 1.2

Ex



2/2 NO



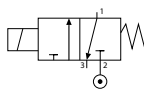
1/8" - 1/4"

Page 1.4

Ex



3/2 NC



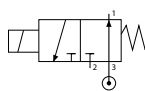
1/8" - 1/4"

Page 1.6

Ex



3/2 NO



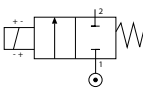
1/8" - 1/4"

Page 1.8

Ex



2/2 LATCHING



1/8" - 1/4"

Page 1.10

Ex



22 mm

Series A

Page 17.2

UL US
CSA C22.2



30 mm

Series B

Page 17.3

UL US
CSA C22.2

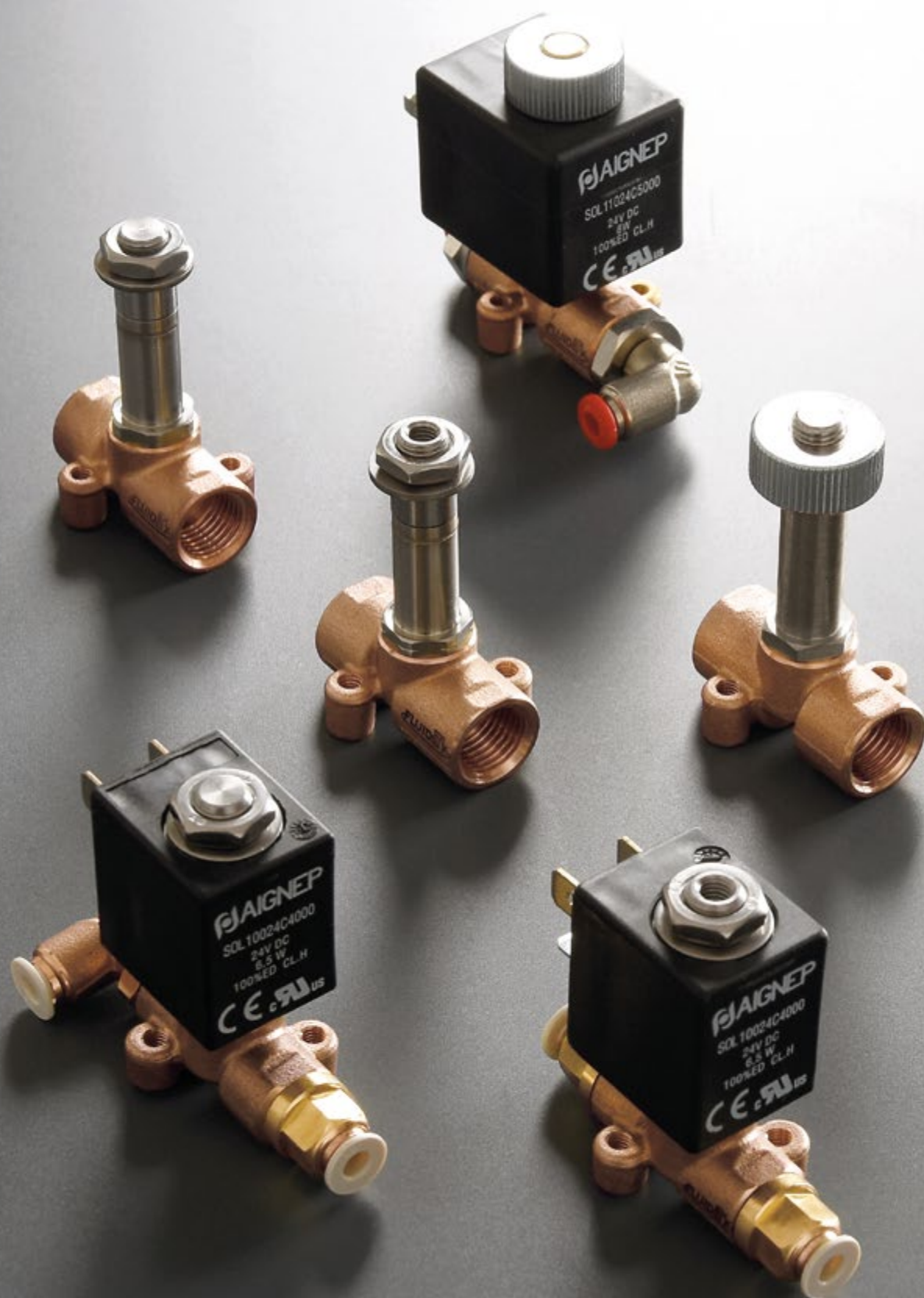


Connectors

Page 17.8 - 17.10

UL US
CSA C22.2

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY



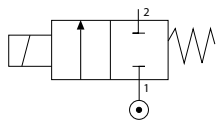
Series 01F

Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NC

1/8" - 1/4"



Component Parts and Materials

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



General features - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H -  - CSA C22.2



Maximum allowable pressure

580 psi (40 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
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils	
0 1 F	0 2	1	1 5	N	0	N	A	A
	02 = 1/8"	1 = 2/2 NC	15 = 1/16 (1.5)	N = NBR	0 = Standard	N = NPTF	A = A series - SOL10	A = 12V DC
	03 = 1/4"		02 = 5/64 (2)	E = EPDM			B = B series - SOL11	B = 24V DC
			25 = 3/32 (2.5)	V = FKM				1 = 24V AC
			03 = 1/8 (3)	C = CR				2 = 110V AC
			04 = 5/32 (4)					3 = 220V AC

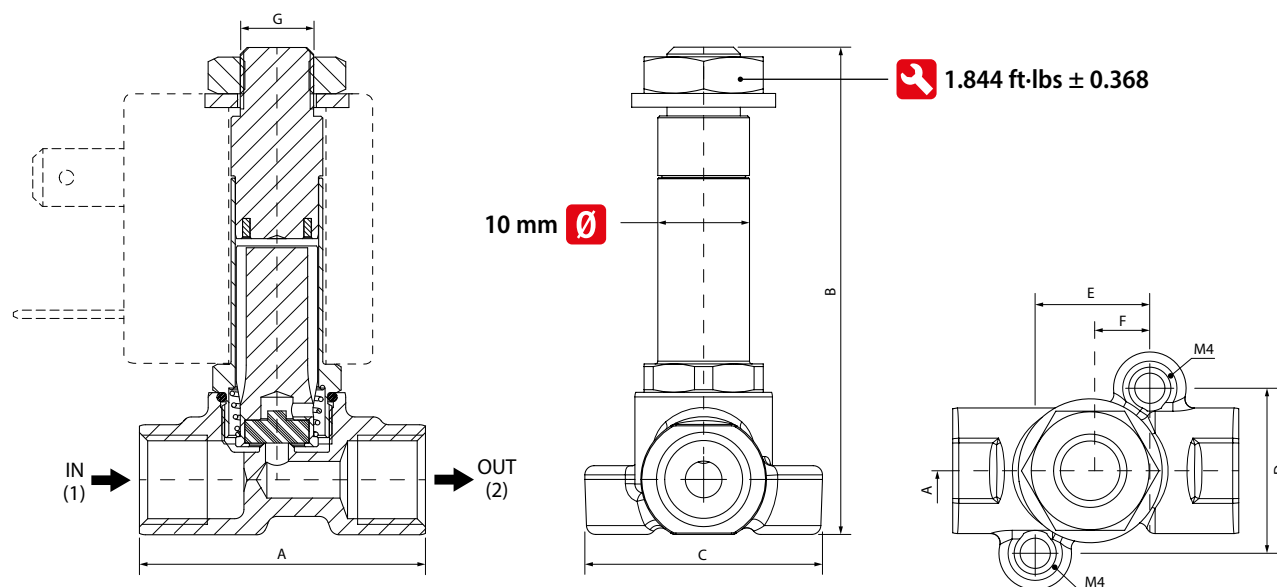
Valves and coils are supplied separately.
Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)			Power		Coils	
						psi (bar)			DC	AC	Size	Series
						Min	Max DC	Max AC				
①	①	NPTF	inch (mm)	cSt	gpm (m³/h)							
01F 02 1 15 _0 N	N = NBR +14°F +194°F (-10°C +90°C)	1/8"	1/16 (1.5)	25	0.07 (0.06)	0	232 (16)	435 (30)	6.5	7.5	22	A - SOL10
01F 02 1 02 _0 N			5/64 (2)	37	0.10 (0.09)	0	580 (40)	580 (40)	8	11	30	B - SOL11
01F 02 1 25 _0 N			3/32 (2.5)	53	0.17 (0.15)	0	174 (12)	363 (25)	6.5	7.5	22	A - SOL10
01F 02 1 03 _0 N			1/8 (3)	53	0.23 (0.20)	0	435 (30)	580 (40)	8	11	30	B - SOL11
01F 02 1 04 _0 N			5/32 (4)	53	0.35 (0.30)	0	65 (4.5)	261 (18)	6.5	7.5	22	A - SOL10
	V = FKM +14°F +284°F (-10°C +140°C)	1/8"					189 (13)	435 (30)	8	11	30	B - SOL11
							44 (3)	145 (10)	6.5	7.5	22	A - SOL10
							102 (7)	232 (16)	8	11	30	B - SOL11
							15 (1)	58 (4)	6.5	7.5	22	A - SOL10
							36 (2.5)	116 (8)	8	11	30	B - SOL11
01F 03 1 15 _0 N	E = EPDM +14°F +284°F (-10°C +140°C)	1/4"	1/16 (1.5)	25	0.07 (0.06)	0	232 (16)	435 (30)	6.5	7.5	22	A - SOL10
01F 03 1 02 _0 N			5/64 (2)	37	0.10 (0.09)	0	580 (40)	580 (40)	8	11	30	B - SOL11
01F 03 1 25 _0 N			3/32 (2.5)	53	0.17 (0.15)	0	174 (12)	363 (25)	6.5	7.5	22	A - SOL10
01F 03 1 03 _0 N			1/8 (3)	53	0.23 (0.20)	0	435 (30)	580 (40)	8	11	30	B - SOL11
01F 03 1 04 _0 N			5/32 (4)	53	0.35 (0.30)	0	65 (4.5)	261 (18)	6.5	7.5	22	A - SOL10
	C = CR -31°F +212°F (-35°C +100°C)	1/4"					189 (13)	435 (30)	8	11	30	B - SOL11
							44 (3)	145 (10)	6.5	7.5	22	A - SOL10
							102 (7)	232 (16)	8	11	30	B - SOL11
							15 (1)	58 (4)	6.5	7.5	22	A - SOL10
							36 (2.5)	116 (8)	8	11	30	B - SOL11

① Select seal material

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

Coil not included



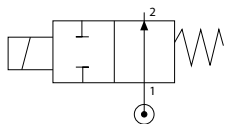
Size	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)	E inch (mm)	F inch (mm)	G inch (mm)
1/8"	1.228 (31.2)	2.090 (53.1)	1.019 (25.9)	0.708 (18)	0.492 (12.5)	0.255 (6.5)	M8 x 0.75
1/4"	1.456 (37)	2.208 (56.1)	1.141 (29)	0.826 (21)	0.472 (12)	0.236 (6)	M8 x 0.75

Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NO

1/8" - 1/4"



Component Parts and Materials

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



General features - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H -  - CSA C22.2



Maximum allowable pressure

580 psi (40 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
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils	
0 1 F	0 2	2	1 5	N	0	N	A	A
	02 = 1/8"	2 = 2/2 NO	15 = 1/16 (1.5)	N = NBR	0 = Standard	N = NPTF	A = A series - SOL10	A = 12V DC
	03 = 1/4"		02 = 5/64 (2)	E = EPDM			B = B series - SOL11	B = 24V DC
			25 = 3/32 (2.5)	V = FKM				1 = 24V AC
			03 = 1/8 (3)	C = CR				2 = 110V AC
								3 = 220V AC
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.								

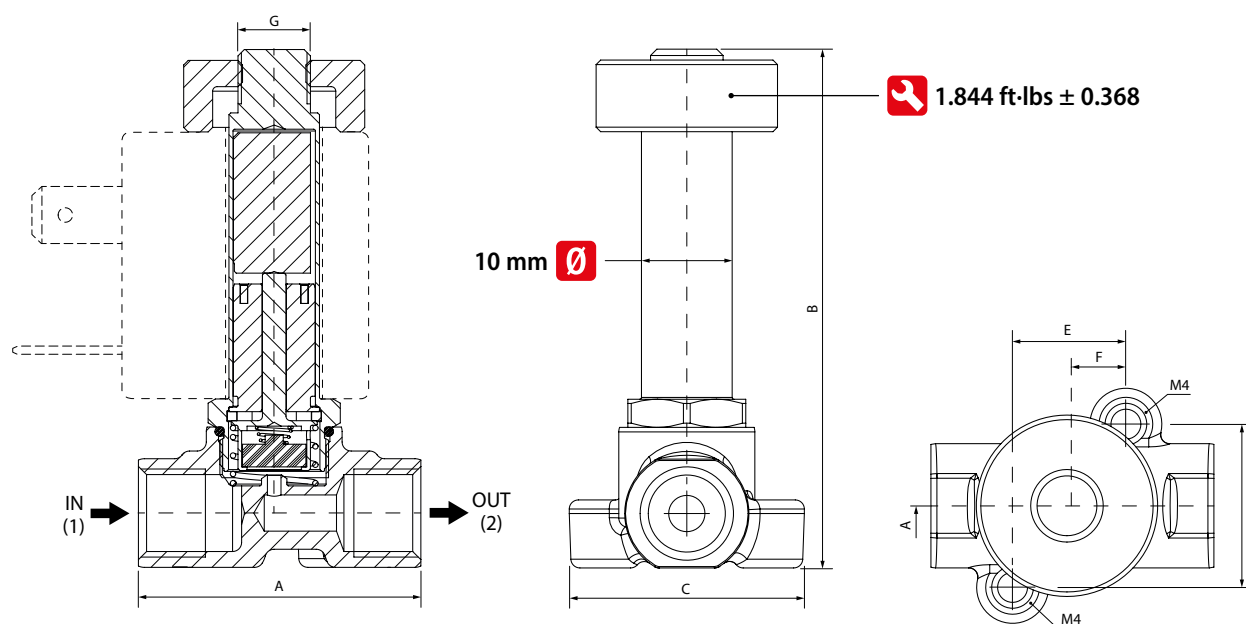
Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)		
						psi (bar)		
①	①	NPTF	inch (mm)	cSt	gpm (m³/h)	Min	Max DC	Max AC
01F 02 2 15 _ 0 N	N = NBR +14°F +194°F (-10°C +90°C)	1/8"	1/16 (1.5)	25	0.07 (0.06)	0	-	261 (18)
01F 02 2 02 _ 0 N			5/64 (2)	37	0.10 (0.09)	0	-	145 (10)
01F 02 2 25 _ 0 N			3/32 (2.5)	53	0.17 (0.15)	0	-	94 (6.5)
01F 02 2 03 _ 0 N			1/8 (3)	53	0.23 (0.20)	0	-	61 (4.2)
01F 03 2 15 _ 0 N	E = EPDM +14°F +284°F (-10°C +140°C)	1/4"	1/16 (1.5)	25	0.07 (0.06)	0	-	261 (18)
01F 03 2 02 _ 0 N			5/64 (2)	37	0.10 (0.09)	0	-	145 (10)
01F 03 2 25 _ 0 N			3/32 (2.5)	53	0.17 (0.15)	0	-	94 (6.5)
01F 03 2 03 _ 0 N			1/8 (3)	53	0.23 (0.20)	0	-	61 (4.2)

Power		Coils	
DC	AC	Size	Series
W	VA	mm	A - Page 17.2 B - Page 17.3
-	7.5	22	A - SOL10
8	11	30	B - SOL11
-	7.5	22	A - SOL10
8	11	30	B - SOL11
-	7.5	22	A - SOL10
8	11	30	B - SOL11
-	7.5	22	A - SOL10
8	11	30	B - SOL11
-	7.5	22	A - SOL10
8	11	30	B - SOL11
-	7.5	22	A - SOL10
8	11	30	B - SOL11

① Select seal material

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

Coil not included



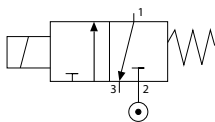
Size	A	B	C	D	E	F	G
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	
1/8"	1.228 (31.2)	2.251 (57.2)	1.019 (25.9)	0.708 (18)	0.492 (12.5)	0.255 (6.5)	M8 x 1
1/4"	1.456 (37)	2.370 (60.2)	1.141 (29)	0.826 (21)	0.472 (12)	0.236 (6)	M8 x 1

Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NC

1/8" - 1/4"



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 - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

580 psi (40 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
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils	
0 1 F	0 2 02 = 1/8" 03 = 1/4"	3 3 = 3/2 NC	1 5 15 = 1/16 (1.5) 02 = 5/64 (2) 25 = 3/32 (2.5) 03 = 1/8 (3) 04 = 5/32 (4)	N N = NBR E = EPDM V = FKM	0 0 = Standard	N N = NPTF	A A = A series - SOL10 B = B series - SOL11	A A = 12V DC B = 24V DC 1 = 24V AC 2 = 110V AC 3 = 220V AC

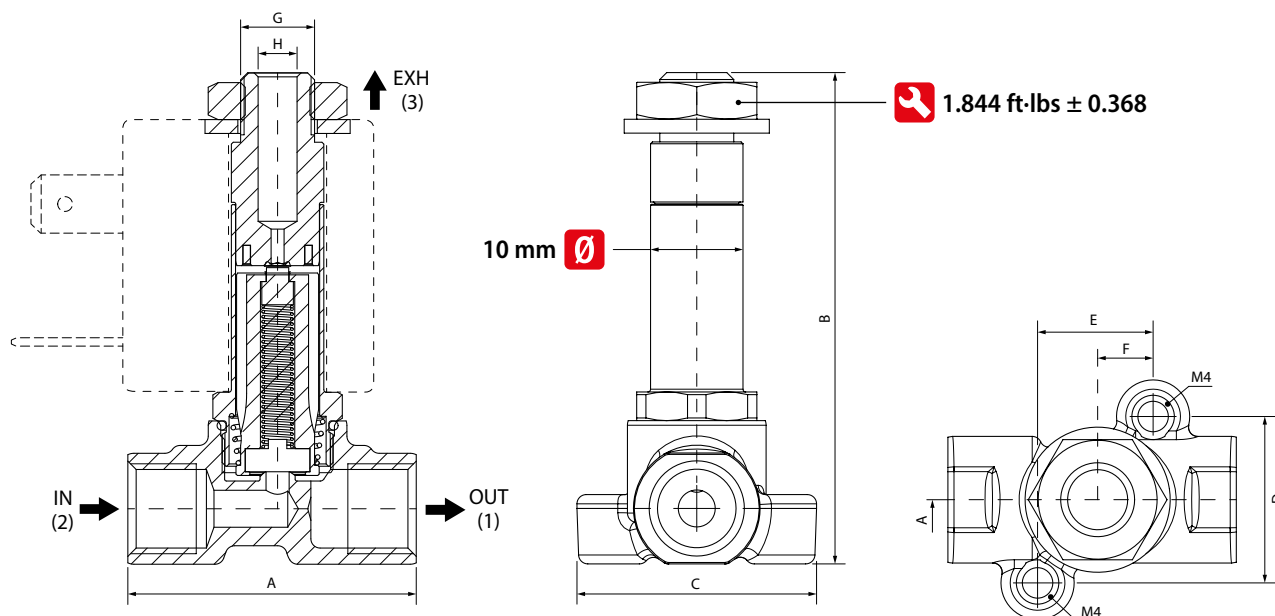
Valves and coils are supplied separately.
Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice		Viscosity	Cv (Kv)		Differential pressure (OPD)			Power		Coils	
①	①	NPTF	inch (mm)		cSt	gpm (m³/h)		psi (bar)			DC	AC	Size	Series
			IN	EXH		IN	EXH	Min	Max DC	Max AC	W	VA	mm	
01F 02 3 15 _ 0 N	N = NBR +14°F +194°F (-10°C +90°C)	1/8"	1/16 (1.5)	1/16 (1.4)	25	0.07 (0.06)	0.06 (0.05)	0	196 (13.5)	196 (13.5)	6.5	7.5	22	A - SOL10
01F 02 3 02 _ 0 N			5/64 (2)	1/16 (1.4)	25	0.10 (0.09)	0.06 (0.05)	0	116 (8)	116 (8)	8	11	30	B - SOL11
01F 02 3 25 _ 0 N			3/32 (2.5)	1/16 (1.4)	25	0.17 (0.15)	0.06 (0.05)	0	73 (5)	73 (5)	6.5	7.5	22	A - SOL10
01F 02 3 03 _ 0 N			1/8 (3)	1/16 (1.4)	25	0.23 (0.20)	0.06 (0.05)	0	-	51 (3.5)	-	7.5	22	A - SOL10
01F 02 3 04 _ 0 N			5/32 (4)	1/16 (1.4)	25	0.35 (0.30)	0.06 (0.05)	0	-	15 (1)	-	7.5	22	A - SOL10
01F 03 3 15 _ 0 N	V = FKM +14°F +284°F (-10°C +140°C)	1/4"	1/16 (1.5)	1/16 (1.4)	25	0.07 (0.06)	0.06 (0.05)	0	196 (13.5)	196 (13.5)	6.5	7.5	22	A - SOL10
01F 03 3 02 _ 0 N			5/64 (2)	1/16 (1.4)	25	0.10 (0.09)	0.06 (0.05)	0	116 (8)	116 (8)	8	11	30	B - SOL11
01F 03 3 25 _ 0 N			3/32 (2.5)	1/16 (1.4)	25	0.17 (0.15)	0.06 (0.05)	0	73 (5)	73 (5)	6.5	7.5	22	A - SOL10
01F 03 3 03 _ 0 N			1/8 (3)	1/16 (1.4)	25	0.23 (0.20)	0.06 (0.05)	0	-	51 (3.5)	-	7.5	22	A - SOL10
01F 03 3 04 _ 0 N			5/32 (4)	1/16 (1.4)	25	0.35 (0.30)	0.06 (0.05)	0	-	15 (1)	-	7.5	22	A - SOL10

① Select seal material

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

Coil not included



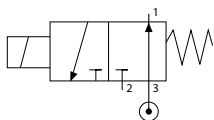
Size	A	B	C	D	E	F	G	H
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		
1/8"	1.228 (31.2)	2.090 (53.1)	1.019 (25.9)	0.708 (18)	0.492 (12.5)	0.236 (6)	M8 x 0.75	M5
1/4"	1.456 (37)	2.208 (56.1)	1.141 (29)	0.826 (21)	0.472 (12)	0.236 (6)	M8 x 0.75	M5

Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NO

1/8" - 1/4"



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 - 01F

- Universal mounting position
- Operator kit Ø 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

580 psi (40 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
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils	
0 1 F	0 2 02 = 1/8" 03 = 1/4"	4 4 = 3/2 NO	1 5 15 = 1/16 (1.5) 02 = 5/64 (2) 25 = 3/32 (2.5)	N N = NBR E = EPDM V = FKM	0 0 = Standard	N N = NPTF	A A = A series - SOL10	A A = 12V DC B = B series - SOL11 1 = 24V AC 2 = 110V AC 3 = 220V AC

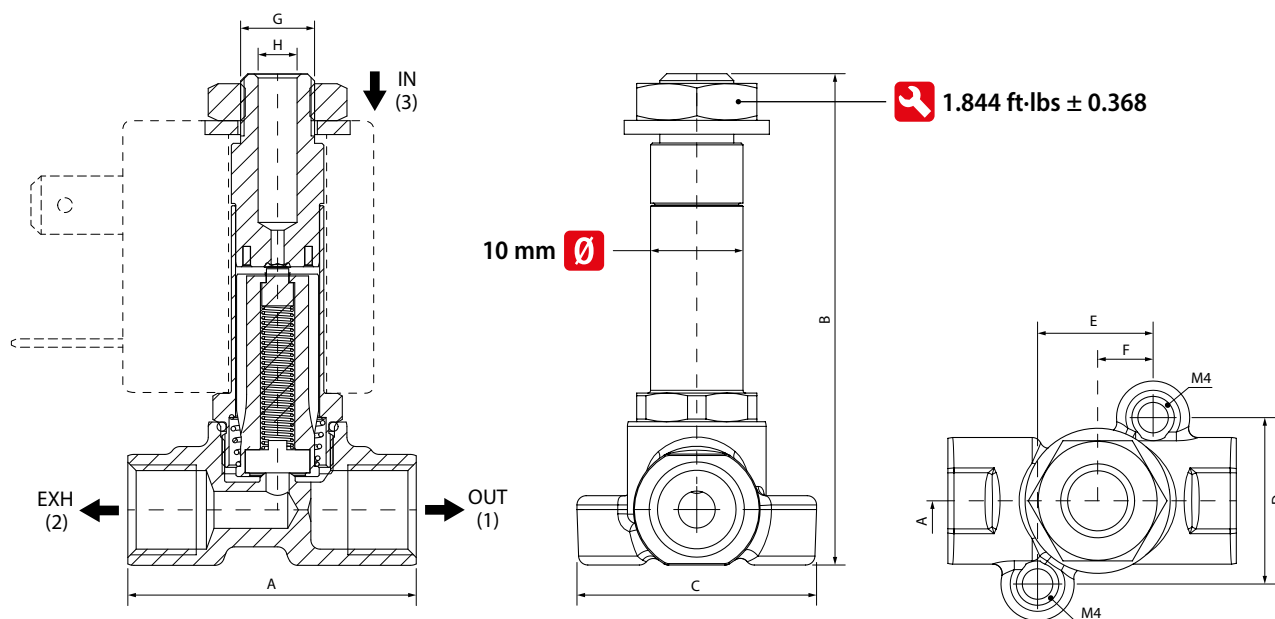
Valves and coils are supplied separately.
Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice		Viscosity	Cv (Kv)		Differential pressure (OPD)			Power		Coils	
①	①	NPTF	inch (mm)		cSt	gpm (m³/h)		psi (bar)			DC	AC	Size	Series
			IN	EXH		IN	EXH	Min	Max DC	Max AC	W	VA	mm	
01F 02 4 15 _ 0 N	N = NBR +14°F +194°F (-10°C +90°C)	1/8"	1/16 (1.4)	1/16 (1.5)	25	0.06 (0.05)	0.07 (0.06)	0	145 (10)	145 (10)	6.5	7.5	22	A - SOL10
01F 02 4 02 _ 0 N			1/16 (1.4)	5/64 (2)	25	0.06 (0.05)	0.10 (0.09)	0	145 (10)	145 (10)	8	11	30	B - SOL11
01F 02 4 25 _ 0 N			1/16 (1.4)	3/32 (2.5)	25	0.06 (0.05)	0.17 (0.15)	0	58 (4)	145 (10)	6.5	7.5	22	A - SOL10
01F 03 4 15 _ 0 N	V = FKM +14°F +284°F (-10°C +140°C)	1/4"	1/16 (1.4)	1/16 (1.5)	25	0.06 (0.05)	0.07 (0.06)	0	145 (10)	145 (10)	8	11	30	B - SOL11
01F 03 4 02 _ 0 N			1/16 (1.4)	5/64 (2)	25	0.06 (0.05)	0.10 (0.09)	0	145 (10)	145 (10)	6.5	7.5	22	A - SOL10
01F 03 4 25 _ 0 N			1/16 (1.4)	3/32 (2.5)	25	0.06 (0.05)	0.17 (0.15)	0	58 (4)	145 (10)	8	11	30	B - SOL11

① Select seal material

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

Coil not included



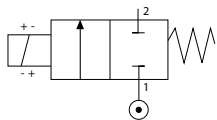
Size	A	B	C	D	E	F	G	H
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		
1/8"	1.228 (31.2)	2.090 (53.1)	1.019 (25.9)	0.708 (18)	0.492 (12.5)	0.236 (6)	M8 x 0.75	M5
1/4"	1.456 (37)	2.208 (56.1)	1.141 (29)	0.826 (21)	0.472 (12)	0.236 (6)	M8 x 0.75	M5

Series 01F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 LATCHING

1/8" - 1/4"



Pulse switching ≥ 20 ms, polarity reversed



Component Parts and Materials

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



General features - 01F

- Universal mounting position
- Operator kit $\varnothing$ 10 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

580 psi (40 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
- Food industry, Coffee & vending
- Air, Inert gases, Vacuum
- Industrial processes, Automation
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical
- Chemical and Petrochemical industry



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils	
0 1 F	0 2	B	1 5	N	0	N	A	A
	02 = 1/8"	B = 2/2 Latching	15 = 1/16 (1.5)	N = NBR	0 = Standard	N = NPTF	A = A series - SOL10	A = 12V DC
	03 = 1/4"		02 = 5/64 (2)	E = EPDM			B = B series - SOL11	B = 24V DC
			25 = 3/32 (2.5)	V = FKM				F = 3V DC
			03 = 1/8 (3)	C = CR				H = 9V DC
			04 = 5/32 (4)					

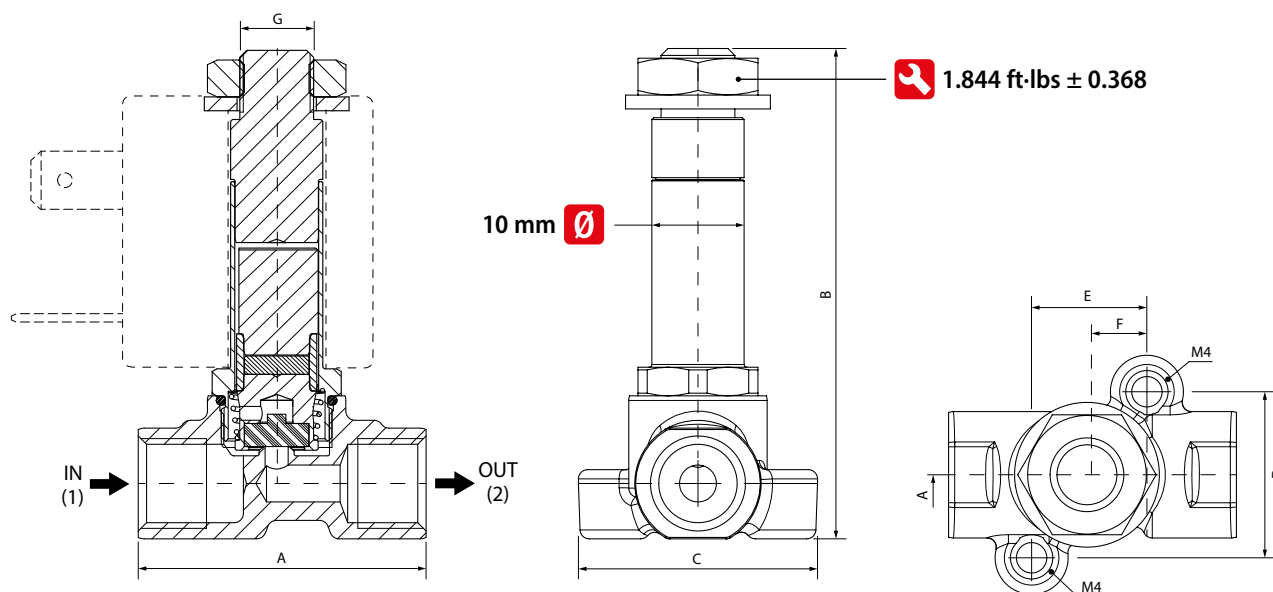
Valves and coils are supplied separately.
Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)		Power	Coils					
①	①	NPTF	inch (mm)	cSt	gpm (m³/h)	psi (bar)		DC	Size	Series				
						Min	Max DC	W	mm	A - Page 17.2 B - Page 17.3				
01F 02 B 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) C = CR -31°F +212°F (-35°C +100°C)	1/8"	1/16 (1.5)	25	0.07 (0.06)	0	145 (10)	2	22	A - SOL10				
01F 02 B 02 _ 0 N							5/64 (2)	37	0.10 (0.09)	0	290 (20)	3	22	A - SOL10
											507 (35)	4	30	B - SOL11
01F 02 B 25 _ 0 N			3/32 (2.5)	53	0.17 (0.15)	0					94 (6.5)	2	22	A - SOL10
							188 (13)	3	22	A - SOL10				
333 (23)							4	30	B - SOL11					
01F 02 B 03 _ 0 N		1/8 (3)	53	0.23 (0.20)	0	36 (2.5)	2	22	A - SOL10					
						72 (5)	3	22	A - SOL10					
145 (10)						4	30	B - SOL11						
01F 03 B 15 _ 0 N		1/4"	1/16 (1.5)	25	0.07 (0.06)	0	43 (3)	2	22	A - SOL10				
							797 (5.5)	4	30	B - SOL11				
							145 (10)	2	22	A - SOL10				
01F 03 B 02 _ 0 N	5/64 (2)			37	0.10 (0.09)	0	290 (20)	3	22	A - SOL10				
							507 (35)	4	30	B - SOL11				
							94 (6.5)	2	22	A - SOL10				
01F 03 B 25 _ 0 N	3/32 (2.5)			53	0.17 (0.15)	0	188 (13)	3	22	A - SOL10				
							333 (23)	4	30	B - SOL11				
							36 (2.5)	2	22	A - SOL10				
01F 03 B 03 _ 0 N	1/8 (3)		53	0.23 (0.20)	0	72 (5)	3	22	A - SOL10					
						145 (10)	4	30	B - SOL11					
						43 (3)	2	22	A - SOL10					
						797 (5.5)	4	30	B - SOL11					

① Select seal material

With steam: **EPDM - $P_{max} = 36 \text{ psi (2.5 bar)}$**

Coil not included



Size	A	B	C	D	E	F	G
	<i>inch (mm)</i>	<i>inch (mm)</i>	<i>inch (mm)</i>	<i>inch (mm)</i>	<i>inch (mm)</i>	<i>inch (mm)</i>	
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