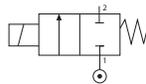


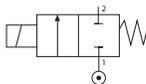
2/2 NC

1/4"
Page 5.3



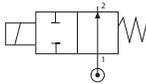
2/2 NC

3/8" - 1/2"
Page 5.5



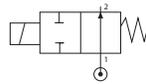
2/2 NO

1/4"
Page 5.7



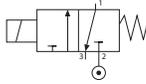
2/2 NO

3/8" - 1/2"
Page 5.9



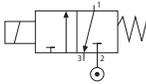
3/2 NC

1/4"
Page 5.11



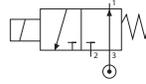
3/2 NC

3/8" - 1/2"
Page 5.13



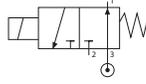
3/2 NO

1/4"
Page 5.15



3/2 NO

3/8" - 1/2"
Page 5.17



30 mm



Series C
Page 15.4



30 mm



Series D
Page 15.5



36 mm



Series E
Page 15.6



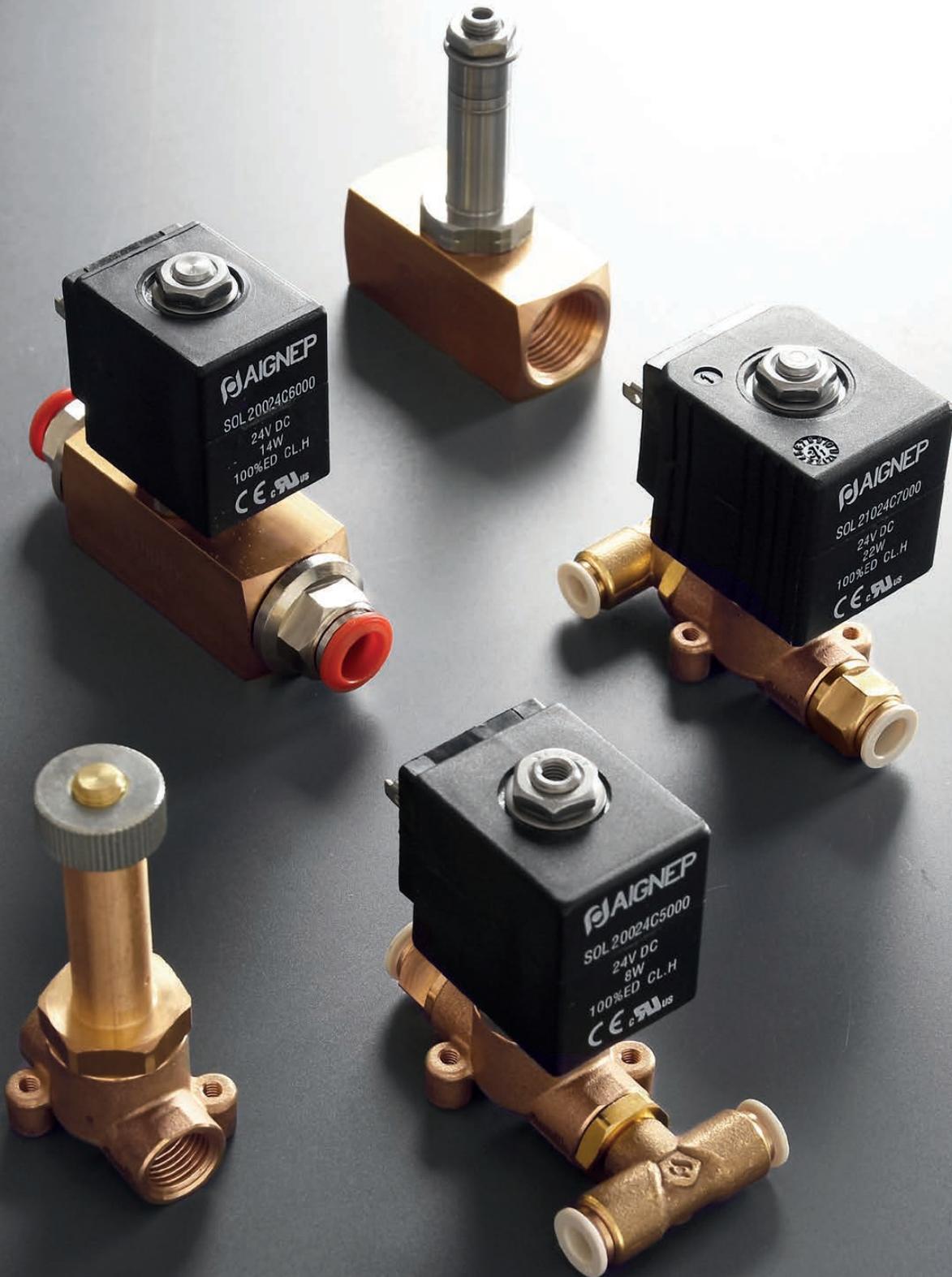

Connectors
Page 15.8 - 15.10



DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

Ex
II 2 G/D Ex h

C **UL** **US**
CSA C22.2



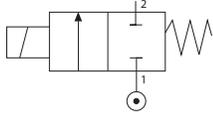
Series 02F

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NC

1/4"



Component Parts and Materials

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



General features - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

1450 psi (100 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 3 03 = 1/4"	1 1 = 2/2 NC	0 1 01 = 1/32 (1) 15 = 1/16 (1.5) 02 = 5/64 (2) 25 = 3/32 (2.5) 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5) 64 = 1/4 (6.4)	N N = NBR F = NBR E = EPDM V = FKM P = PTFE R = RUBY C = CR	0 0 = Standard 3 = Stainless Steel seat (on request)	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 1 = 24V AC 2 = 110V AC 3 = 220V AC

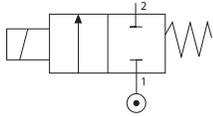
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NC

3/8" - 1/2"



Component Parts and Materials

- 1 Body: Brass CW614N
- 2 Seals: NBR - NBR - EPDM - FKM - PTFE - CR
- 3 Armature tube: Stainless steel
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



General features - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 4 04 = 3/8" 05 = 1/2"	1 1 = 2/2 NC	0 3 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5) 64 = 1/4 (6.4)	N N = NBR F = NBR E = EPDM V = FKM P = PTFE C = CR	0 0 = Standard	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 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)											
						gpm (m³/h)	psi (bar)										
							Min	Max DC	Max AC								
02F 04 1 03 _0 N	N = NBR +14°F +194°F (-10°C +90°C)	NPTF	1/8 (3)	53	0.24 (0.21)	0	145 (10)	305 (21)									
02F 04 1 04 _0 N							3/8"	5/32 (4)	53	0.41 (0.35)	0	44 (3)	145 (10)				
02F 04 1 05 _0 N												13/64 (5)	53	0.59 (0.51)	0	20 (1.4)	73 (5)
02F 04 1 64 _0 N																1/4 (6.4)	53
02F 05 1 03 _0 N	E = EPDM +14°F +284°F (-10°C +140°C)	NPTF	1/8 (3)	53	0.24 (0.21)	0	145 (10)	305 (21)									
02F 05 1 04 _0 N							1/2"	5/32 (4)	53	0.41 (0.35)	0	44 (3)	145 (10)				
02F 05 1 05 _0 N												13/64 (5)	53	0.59 (0.51)	0	20 (1.4)	73 (5)
02F 05 1 64 _0 N																1/4 (6.4)	53

Power		Coils	
DC	AC	Size	Series
W	VA	mm	C - Page 15.4 D - Page 15.5 E - Page 15.6
8	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21
8	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21
8	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
8	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21
8	14	30	C - SOL20
14	21	30	D - SOL20
22	31	36	E - SOL21

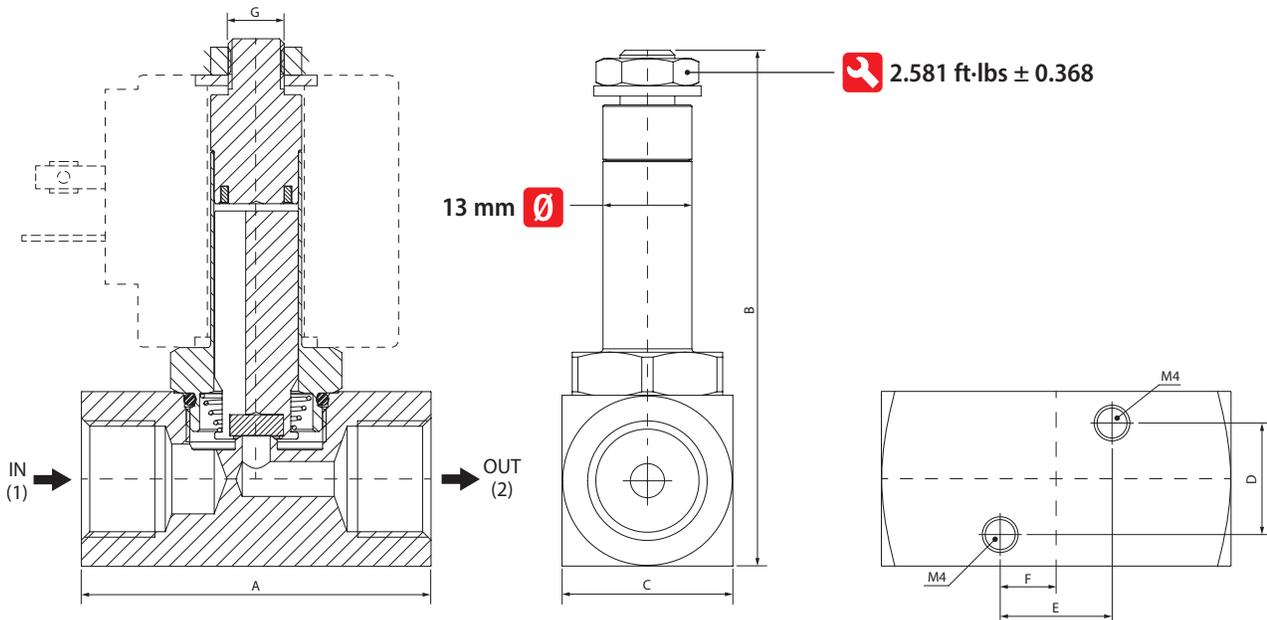
① Select seal material

With steam: EPDM - P max = 36 psi (2.5 bar) / PTFE - P max = 145 psi (10 bar)

Allowable leakage: PTFE = max 0.08 gph (300 cm³/h)

* PTFE - orifice max Ø 5/32" (4 mm): Only with stainless steel seat

Coil not included



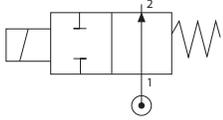
Size	A	B	C	D	E	F	G
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	
3/8"	1.968 (50)	2.972 (75.5)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1
1/2"	2.283 (58)	2.972 (75.5)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NO

1/4"



Component Parts and Materials

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



General features - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Stainless Steel armature tube on request



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 3 03 = 1/4"	2 2 = 2/2 NO	1 5 15 = 1/16 (1.5) 02 = 5/64 (2) 25 = 3/32 (2.5) 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5)	N N = NBR E = EPDM V = FKM C = CR	0 0 = Standard	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 1 = 24V AC 2 = 110V AC 3 = 220V AC

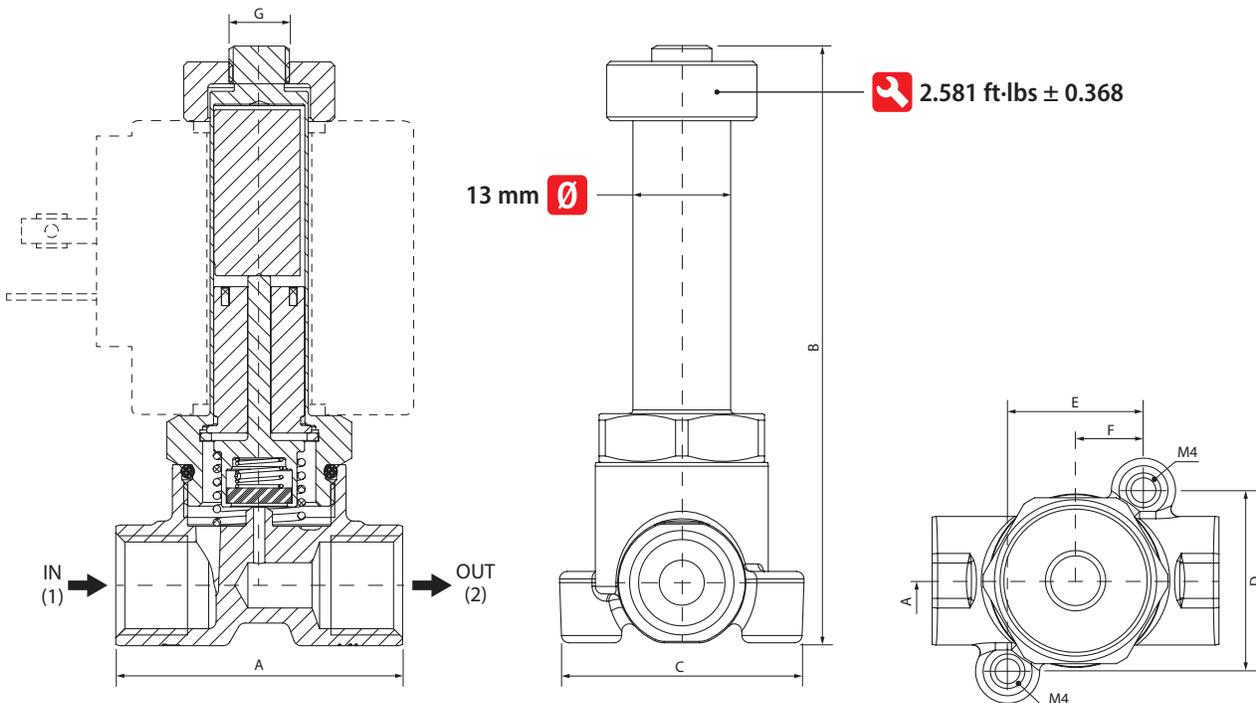
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)			Power		Coils				
						inch (mm)	cSt	gpm (m³/h)	psi (bar)			DC	AC	Size	Series C - Page 15.4 D - Page 15.5 E - Page 15.6
									Min	Max DC	Max AC	W	VA	mm	
02F 03 2 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)	NPTF	1/4"	1/16 (1.5)	25	0.07 (0.06)	0	-	363 (25)	-	14	30	C - SOL20		
363 (25)								363 (25)	363 (25)	363 (25)	D - SOL20				
363 (25)								363 (25)	363 (25)	363 (25)	E - SOL21				
02F 03 2 02 _0 N				5/64 (2)	37	0.12 (0.10)	0	-	261 (18)	-	14	30	C - SOL20		
261 (18)								261 (18)	261 (18)	261 (18)	D - SOL20				
261 (18)								261 (18)	261 (18)	261 (18)	E - SOL21				
02F 03 2 25 _0 N	3/32 (2.5)	53	0.17 (0.15)	0	-	174 (12)	-	14	30	C - SOL20					
174 (12)					174 (12)	174 (12)	174 (12)	D - SOL20							
174 (12)					174 (12)	174 (12)	174 (12)	E - SOL21							
02F 03 2 03 _0 N	1/8 (3)	53	0.24 (0.21)	0	-	109 (7.5)	-	14	30	C - SOL20					
109 (7.5)					109 (7.5)	109 (7.5)	109 (7.5)	D - SOL20							
109 (7.5)					109 (7.5)	109 (7.5)	109 (7.5)	E - SOL21							
02F 03 2 04 _0 N	5/32 (4)	53	0.41 (0.35)	0	-	65 (4.5)	-	14	30	C - SOL20					
65 (4.5)					65 (4.5)	65 (4.5)	65 (4.5)	D - SOL20							
65 (4.5)					65 (4.5)	65 (4.5)	65 (4.5)	E - SOL21							
02F 03 2 05 _0 N	13/64 (5)	53	0.59 (0.51)	0	-	36 (2.5)	-	14	30	C - SOL20					
36 (2.5)					36 (2.5)	36 (2.5)	36 (2.5)	D - SOL20							
36 (2.5)					36 (2.5)	36 (2.5)	36 (2.5)	E - SOL21							

① Select seal material

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

Coil not included



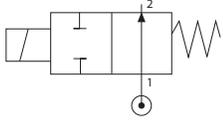
Size	A	B	C	D	E	F	G
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	
1/4"	1.496 (38)	3.129 (79.5)	1.279 (32.5)	0.944 (24)	0.708 (18)	0.354 (9)	M8 x 1

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

2/2 NO

3/8 - 1/2"



Component Parts and Materials

- 1 Body: Brass CW614N
- 2 Seals: NBR - EPDM - FKM - CR
- 3 Armature tube: Brass
- 4 Fixed and mobile core: Stainless steel AISI 430FR
- 5 Springs: Stainless steel



General features - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Stainless Steel armature tube on request



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 4 04 = 3/8" 05 = 1/2"	2 2 = 2/2 NO	0 3 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5)	N N = NBR E = EPDM V = FKM C = CR	0 0 = Standard	N N = NPTF	C C = C series - SOL20 D D = D series - SOL20 E E = E series - SOL21
							A A = 12V DC B = 24V DC 1 = 24V AC 2 = 110V AC 3 = 220V AC

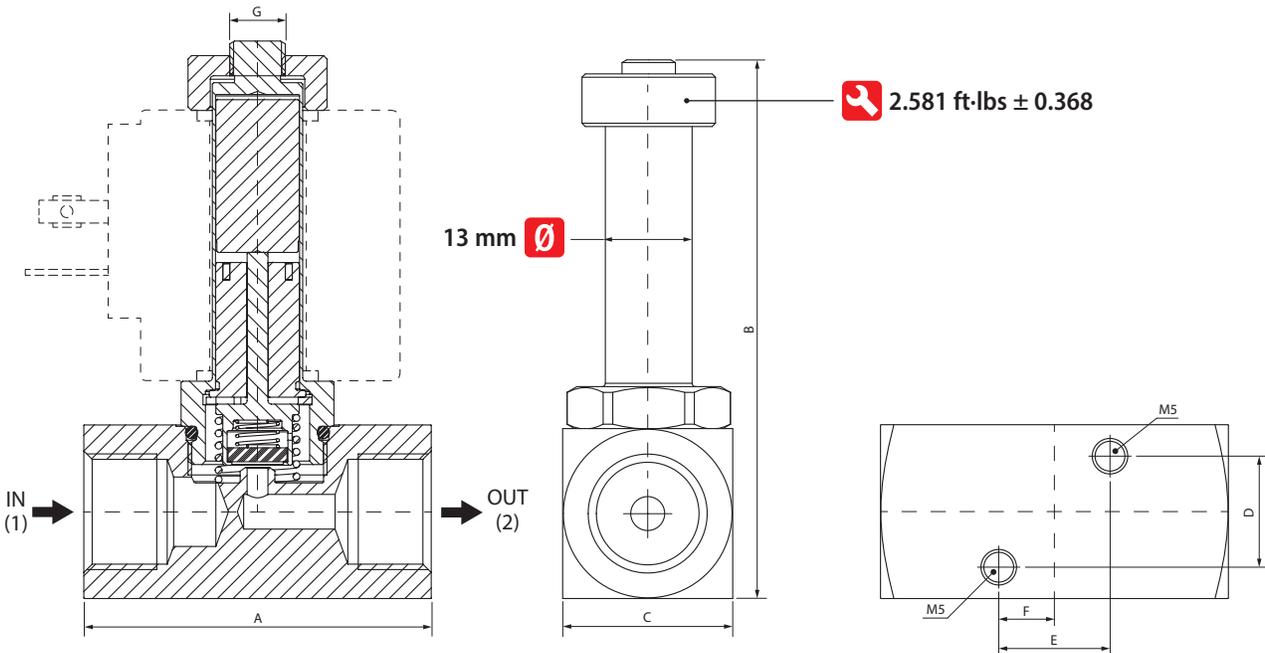
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice	Viscosity	Cv (Kv)	Differential pressure (OPD)			Power		Coils		
						gpm (m ³ /h)	psi (bar)		DC	AC	Size	Series	
							Min	Max DC					Max AC
02F 04 2 03 _0 N	N = NBR +14°F +194°F (-10°C +90°C)	3/8"	1/8 (3)	53	0.24 (0.21)	0	-	109 (7.5)	109 (7.5)	-	14	30	C - SOL20
109 (7.5)							109 (7.5)	14	21	30	D - SOL20		
109 (7.5)							109 (7.5)	22	31	36	E - SOL21		
02F 04 2 04 _0 N	V = FKM +14°F +284°F (-10°C +140°C)	3/8"	5/32 (4)	53	0.41 (0.35)	0	-	65 (4.5)	65 (4.5)	-	14	30	C - SOL20
65 (4.5)							65 (4.5)	14	21	30	D - SOL20		
65 (4.5)							65 (4.5)	22	31	36	E - SOL21		
02F 04 2 05 _0 N	E = EPDM +14°F +284°F (-10°C +140°C)	3/8"	13/64 (5)	53	0.59 (0.51)	0	-	36 (2.5)	36 (2.5)	-	14	30	C - SOL20
36 (2.5)							36 (2.5)	14	21	30	D - SOL20		
36 (2.5)							36 (2.5)	22	31	36	E - SOL21		
02F 05 2 03 _0 N	E = EPDM +14°F +284°F (-10°C +140°C)	1/2"	1/8 (3)	53	0.24 (0.21)	0	-	109 (7.5)	109 (7.5)	-	14	30	C - SOL20
109 (7.5)							109 (7.5)	14	21	30	D - SOL20		
109 (7.5)							109 (7.5)	22	31	36	E - SOL21		
02F 05 2 04 _0 N	C = CR -31°F +212°F (-35°C +100°C)	1/2"	5/32 (4)	53	0.41 (0.35)	0	-	65 (4.5)	65 (4.5)	-	14	30	C - SOL20
65 (4.5)							65 (4.5)	14	21	30	D - SOL20		
65 (4.5)							65 (4.5)	22	31	36	E - SOL21		
02F 05 2 05 _0 N	C = CR -31°F +212°F (-35°C +100°C)	1/2"	13/64 (5)	53	0.59 (0.51)	0	-	36 (2.5)	36 (2.5)	-	14	30	C - SOL20
36 (2.5)							36 (2.5)	14	21	30	D - SOL20		
36 (2.5)							36 (2.5)	22	31	36	E - SOL21		

① Select seal material

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

Coil not included



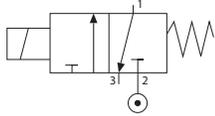
Size	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)	E inch (mm)	F inch (mm)	G
3/8"	1.968 (50)	3.161 (80.3)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1
1/2"	2.283 (58)	3.161 (80.3)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NC

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 - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 3 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) 05 = 13/64 (5)	N N = NBR E = EPDM V = FKM C = CR	0 0 = Standard	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 1 = 24V AC 2 = 110V AC 3 = 220V AC

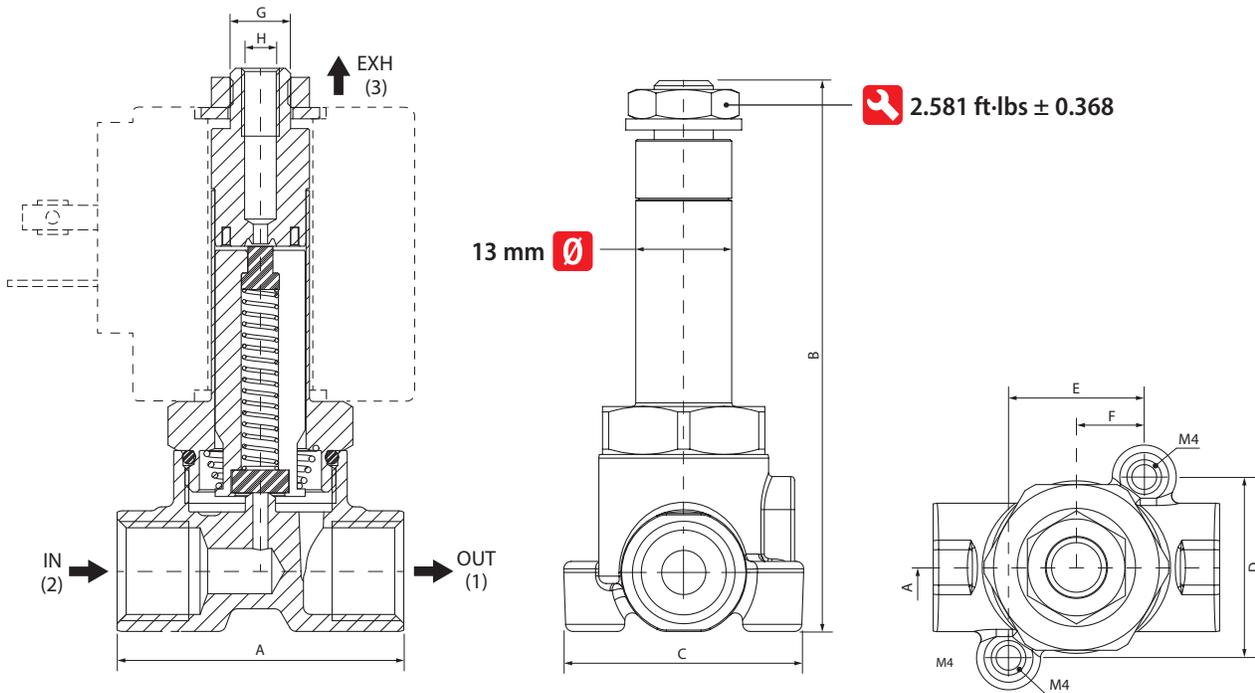
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice		Viscosity	Cv (Kv)		Differential pressure (OPD)			Power		Coils			
			inch (mm)			cSt	gpm (m³/h)		psi (bar)			DC	AC	Size	Series	
			IN	EXH			IN	EXH	Min	Max DC	Max AC	W	VA			mm
02F 03 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) C = CR -31°F +212°F (-35°C +100°C)	1/4"	1/16	5/64	25	0.07	0.12	0	363 (25)	363 (25)	8	14	30	C - SOL20		
02F 03 3 02 _0 N			5/64	5/64		37	0.12		0.12	0	261 (18)	261 (18)	14	21	30	D - SOL20
02F 03 3 25 _0 N			3/32	5/64			37		0.17		0.12	0	189 (13)	189 (13)	22	31
02F 03 3 03 _0 N			1/8	5/64	37	0.24		0.12	0	145 (10)	145 (10)		8	14	30	C - SOL20
02F 03 3 04 _0 N			5/32	5/64		37	0.41	0.12		0	87 (6)	87 (6)	14	21	30	D - SOL20
02F 03 3 05 _0 N			13/64	5/64	37		0.59	0.12	0		44 (3)	44 (3)	22	31	36	E - SOL21

① Select seal material

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

Coil not included



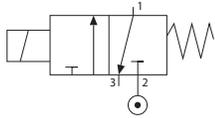
Size	A	B	C	D	E	F	G	H
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		
1/4"	1.496 (38)	2.940 (74.7)	1.279 (32.5)	0.944 (24)	0.708 (18)	0.354 (9)	M8 x 1	M5

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NC

3/8 - 1/2"



Component Parts and Materials

- 1 Body: Brass CW614N
- 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 - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 4 04 = 3/8" 05 = 1/2"	3 3 = 3/2 NC	0 3 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5)	N N = NBR E = EPDM V = FKM C = CR	0 0 = Standard	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 1 = 24V AC 2 = 110V AC 3 = 220V AC

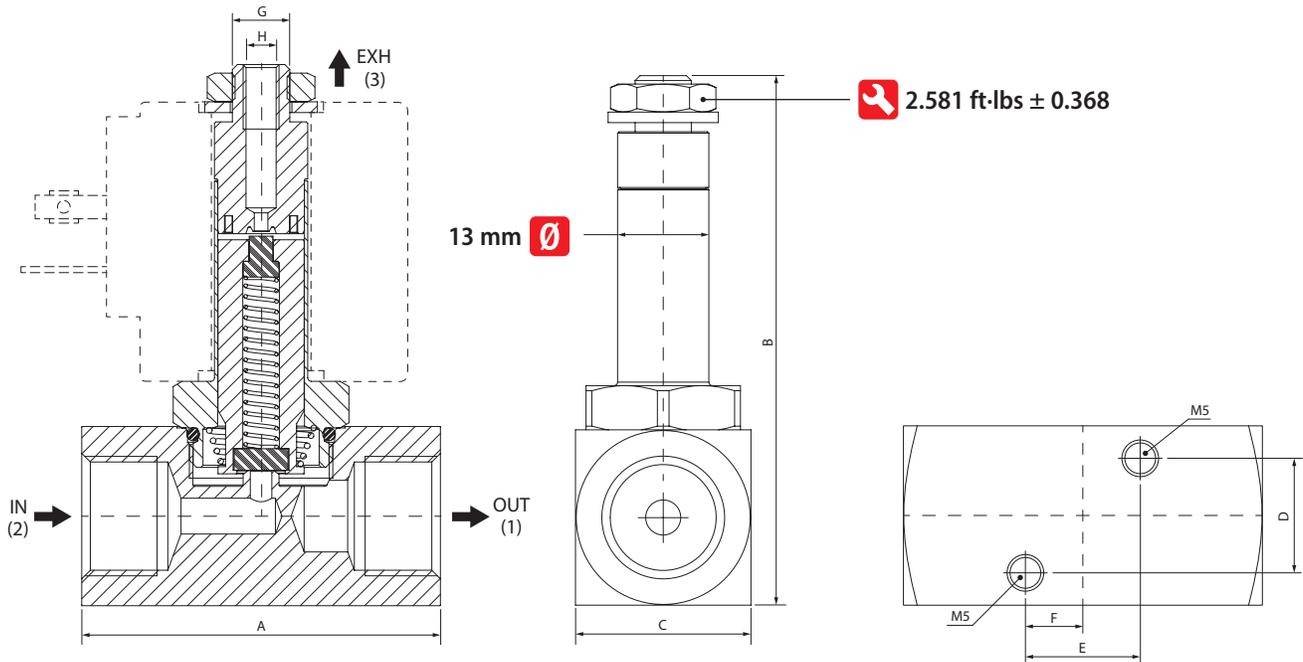
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice		Viscosity	Cv (Kv)		Differential pressure (OPD)			Power		Coils			
			inch (mm)			cSt	gpm (m ³ /h)		psi (bar)			DC	AC	Size	Series	
			IN	EXH			IN	EXH	Min	Max DC	Max AC	W	VA	mm	C - Page 15.4 D - Page 15.5 E - Page 15.6	
02F 04 3 15_0 N	N = NBR +14°F +194°F (-10°C +90°C)	3/8"	1/8 (3)	5/64 (1.9)	37	0.24 (0.21)	0.12 (0.10)	0	145 (10)	145 (10)	145 (10)	145 (10)	8	14	30	C - SOL20
02F 04 3 02_0 N			5/32 (4)	5/64 (1.9)		0.41 (0.35)	0.12 (0.10)		87 (6)	87 (6)	87 (6)	87 (6)	8	14	30	C - SOL20
02F 04 3 25_0 N			13/64 (5)	5/64 (1.9)		0.59 (0.51)	0.12 (0.10)		44 (3)	44 (3)	44 (3)	44 (3)	8	14	30	C - SOL20
02F 05 3 03_0 N	E = EPDM +14°F +284°F (-10°C +140°C)	1/2"	1/8 (3)	5/64 (1.9)	37	0.24 (0.21)	0.12 (0.10)	0	145 (10)	145 (10)	145 (10)	145 (10)	8	14	30	C - SOL20
02F 05 3 04_0 N			5/32 (4)	5/64 (1.9)		0.41 (0.35)	0.12 (0.10)		87 (6)	87 (6)	87 (6)	87 (6)	8	14	30	C - SOL20
02F 05 3 05_0 N			13/64 (5)	5/64 (1.9)		0.59 (0.51)	0.12 (0.10)		44 (3)	44 (3)	44 (3)	44 (3)	8	14	30	C - SOL20

① Select seal material

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

Coil not included



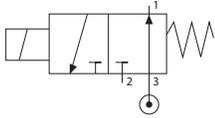
Size	A	B	C	D	E	F	G	H
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		
3/8"	1.968 (50)	2.972 (75.5)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1	M5
1/2"	2.283 (58)	2.972 (75.5)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1	M5

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NO

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 - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 3 03 = 1/4"	4 4 = 3/2 NO	1 5 15 = 1/16 (1.5) 02 = 5/64 (2) 25 = 3/32 (2.5) 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5)	N N = NBR E = EPDM V = FKM C = CR	0 0 = Standard	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 1 = 24V AC 2 = 110V AC 3 = 220V AC

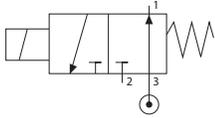
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Series 02F

DIRECT ACTING SOLENOID VALVES WITH BRASS BODY

3/2 NO

3/8 - 1/2"



Component Parts and Materials

- 1 Body: Brass CW614N
- 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 - 02F

- Universal mounting position
- Operator kit Ø 13 mm
- ATEX II 2G/D Ex h certification
- Coils: Class H - - CSA C22.2



Maximum allowable pressure

725 psi (50 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, Air, Inert gases, Vacuum
- Food industry, Misting
- Car washes, Washing systems, Pressure washers
- Industrial processes, Automation, Refrigeration
- Machine tools, Laser cutting, Compressors
- Oxygen, Steam, Medical, Sterilizers
- Chemical and Petrochemical industry, Hi-Tech



Ordering codes

Series	Port size	Functions	Orifice inch (mm)	Sealing materials	Version	Thread	Suitable coils
0 2 F	0 4 04 = 3/8" 05 = 1/2"	4 4 = 3/2 NO	0 3 03 = 1/8 (3) 04 = 5/32 (4) 05 = 13/64 (5)	N N = NBR E = EPDM V = FKM C = CR	0 0 = Standard	N N = NPTF	C A C = C series - SOL20 A = 12V DC D = D series - SOL20 B = 24V DC E = E series - SOL21 1 = 24V AC 2 = 110V AC 3 = 220V AC

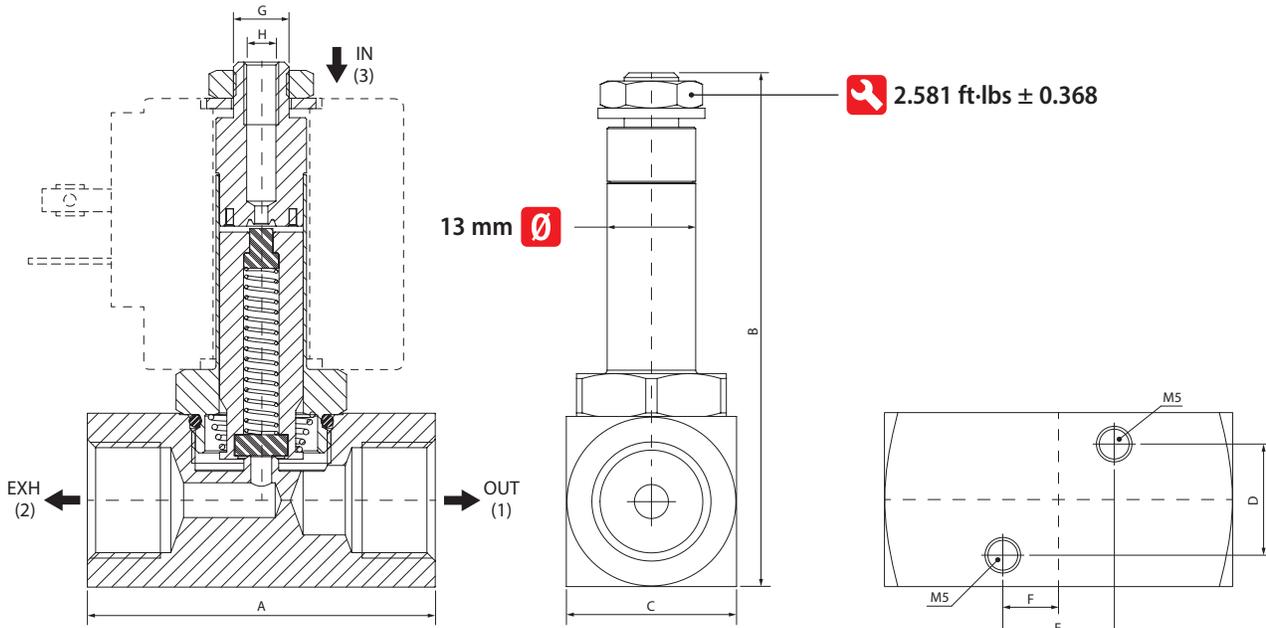
Valves and coils are supplied separately. Upon commercial agreements can be supplied assembled.

Code	Sealing materials	Port size	Ø Orifice		Viscosity	Cv (Kv)		Differential pressure (OPD)			Power		Coils					
			inch (mm)			cSt	gpm (m ³ /h)		psi (bar)			DC	AC	Size	Series			
			IN	EXH			IN	EXH	Min	Max DC	Max AC	W	VA	mm	C - Page 15.4 D - Page 15.5 E - Page 15.6			
02F 04 4 15 _ 0 N	N = NBR +14°F +194°F (-10°C +90°C)	3/8"	5/64 (1.9)	1/8 (3)	37	0.12 (0.10)	0.24 (0.21)	0	145 (10)	218 (15)	218 (15)	218 (15)	8	14	30	C - SOL20		
02F 04 4 02 _ 0 N			5/64 (1.9)	5/32 (4)		0.12 (0.10)	0.41 (0.35)		58 (4)	145 (10)	102 (7)	218 (15)	189 (13)	218 (15)	8	14	30	C - SOL20
02F 04 4 25 _ 0 N			5/64 (1.9)	13/64 (5)		0.12 (0.10)	0.59 (0.51)		29 (2)	87 (6)	44 (3)	138 (9.5)	116 (8)	174 (12)	8	14	30	C - SOL20
02F 05 4 03 _ 0 N	E = EPDM +14°F +284°F (-10°C +140°C)	1/2"	5/64 (1.9)	1/8 (3)	37	0.12 (0.10)	0.24 (0.21)	0	145 (10)	218 (15)	218 (15)	218 (15)	8	14	30	C - SOL20		
02F 05 4 04 _ 0 N			5/64 (1.9)	5/32 (4)		0.12 (0.10)	0.41 (0.35)		58 (4)	145 (10)	102 (7)	218 (15)	189 (13)	218 (15)	8	14	30	C - SOL20
02F 05 4 05 _ 0 N			5/64 (1.9)	13/64 (5)		0.12 (0.10)	0.59 (0.51)		29 (2)	87 (6)	44 (3)	138 (9.5)	116 (8)	174 (12)	8	14	30	C - SOL20

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
3/8"	1.968 (50)	2.972 (75.5)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1	M5
1/2"	2.283 (58)	2.972 (75.5)	0.984 (25)	0.629 (16)	0.629 (16)	0.314 (8)	M8 x 1	M5