



PNEUMAX

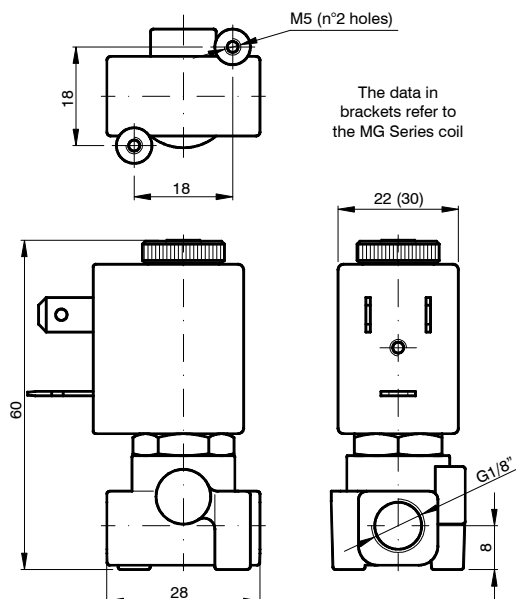


PNEUMAX FLUID CONTROL

CATALOGUE



F3105 - 2-way solenoid valve N.C. brass body, with G connection (ISO 228) - 1/8"



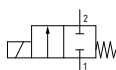
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	A			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
F3105⊕V12⊕	1/8"	1,2	0,04	0	25	25	12	8	6,5	MI	22	-10 ... +140
F3105⊕V15⊕		1,5	0,06		16	16						
F3105⊕V20⊕		2	0,09		12	10						
F3105⊕V25⊕		2,5	0,14		8	5,5						
F3105⊕V31⊕		3,1	0,19		5	2						
F3105⊕V40⊕		4	0,35		4	1,5						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

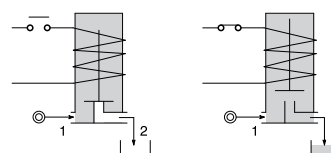
Example: F3105⊕V25⊕ => F3105AV25MI58:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, orifice 2,5 mm, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

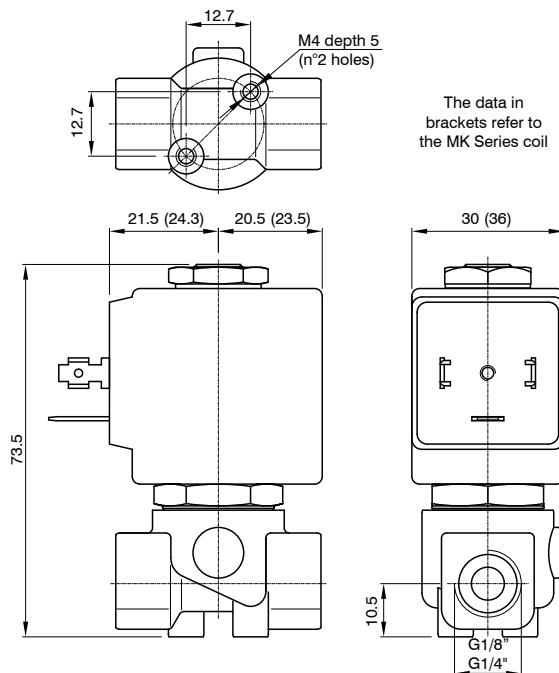
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- Brass body - Brass guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - Manual override - Chemical nickel plating surface treatment - Stainless steel guide tube - For use with oxygen - XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC - certified solenoid coils - Versions for use with fluid temperature at -40 °C	Maximum admitted pressure (bar)	50
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Indifferent
	Weight (g) with solenoid coil MI series	130
	Weight (g) with solenoid coil MG series	180

F3106 - 2-way solenoid valve N.C. brass body, with G connection (ISO 228) - 1/8" and 1/4"


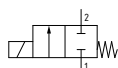
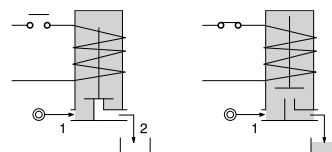
The data in brackets refer to the MK Series coil

CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection		Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	A	B			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
						AC	DC						
F3106⊕V10⊕	1/8"	1/4"	1	0,04	0	80	80	20	15	10	MG	30	-10 ... +140
F3106⊕V12⊕			1,2	0,05		60	60						
F3106⊕V15⊕			1,5	0,07		30	26						
F3106⊕V20⊕			2	0,1		22	20						
F3106⊕V25⊕			2,5	0,15		16	14						
F3106⊕V30⊕			3	0,25		15	10						
F3106⊕V35⊕			3,5	0,32		10	8						
F3106⊕V40⊕			4	0,36		8	5						
F3106⊕V45⊕			4,5	0,41		6,5	3,5						
F3106⊕V52⊕			/	5,2		4	1,8						
F3106⊕V64⊕	/	6,4	3	1									
F3106⊕V10⊕	1/8"	1/4"	1	0,04		100	100	40	30	27	MK	36	
F3106⊕V12⊕			1,2	0,05		100	100						
F3106⊕V15⊕			1,5	0,07		80	80						
F3106⊕V20⊕			2	0,1		50	40						
F3106⊕V25⊕			2,5	0,15		35	33						
F3106⊕V30⊕			3	0,25		25	24						
F3106⊕V35⊕			3,5	0,32		20	19						
F3106⊕V40⊕			4	0,36		16	15						
F3106⊕V45⊕			4,5	0,41		14	13						
F3106⊕V52⊕			/	5,2		10	9						
F3106⊕V64⊕			/	6,4		5	4,5						

N.B. For use with steam, maximum admitted pressure PS is 9 bar (relative pressure) with seals in PTFE and 2.5 bar with seals in EPDM.

Example: F3106CV52⊕ => F3106BV52MG58:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 5,2 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MG58, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- Brass body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

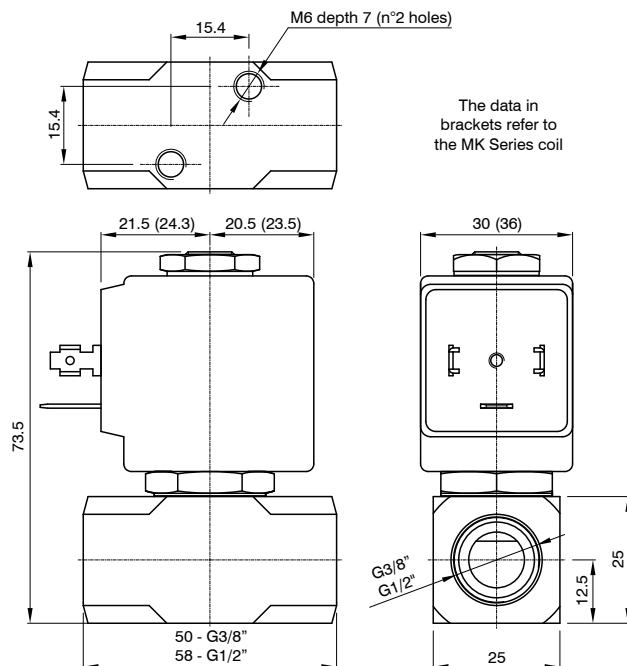
- Manual override
- Chemical nickel plating surface treatment
- Stainless steel seat insert (up to Ø4,5)
- For use with oxygen
- ATEX certified solenoid coils
- Versions for use with fluid temperature at -40 °C
- PTFE - EPDM seals

Technical characteristics

Maximum admitted pressure (bar)	100
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Indifferent
Weight (g) with solenoid coil MG series	300
Weight (g) with solenoid coil MK series	380



F3106 - 2-way solenoid valve N.C. brass body, with G connection (ISO 228) - 3/8" and 1/2"



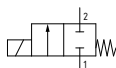
CODE "V"= FPM seals	G connection (ISO 228) ⊕= Connection		Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
						AC	DC						
F3106⊕V10⊕	3/8"	1/2"	1	0,04	0	80	80	20	15	10	MG	30	-10 ... +140
F3106⊕V12⊕			1,2	0,05		60	60						
F3106⊕V15⊕			1,5	0,07		30	26						
F3106⊕V20⊕			2	0,1		22	20						
F3106⊕V25⊕			2,5	0,15		16	14						
F3106⊕V30⊕			3	0,25		15	10						
F3106⊕V35⊕			3,5	0,32		10	8						
F3106⊕V40⊕			4	0,36		8	5						
F3106⊕V45⊕			4,5	0,41		6,5	3,5						
F3106⊕V52⊕			5,2	0,47		4	1,8						
F3106⊕V64⊕			6,4	0,64		3	1						
F3106⊕V10⊕	3/8"	1/2"	1	0,04	0	100	100	40	30	27	MK	36	
F3106⊕V12⊕			1,2	0,05		100	100						
F3106⊕V15⊕			1,5	0,07		80	80						
F3106⊕V20⊕			2	0,1		50	40						
F3106⊕V25⊕			2,5	0,15		35	33						
F3106⊕V30⊕			3	0,25		25	24						
F3106⊕V35⊕			3,5	0,32		20	19						
F3106⊕V40⊕			4	0,36		16	15						
F3106⊕V45⊕			4,5	0,41		14	13						
F3106⊕V52⊕			5,2	0,47		10	9						
F3106⊕V64⊕			6,4	0,64		5	4,5						

N.B. For use with steam, maximum admitted pressure PS is 9 bar (relative pressure) with seals in PTFE and 2.5 bar with seals in EPDM.

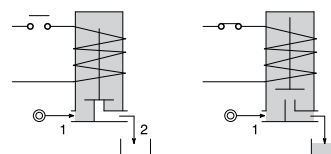
Example: F3106⊕V52⊕ => F3106DV52MK5:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/2", FPM seals, 5,2 mm orifice, solenoid coil 24 VDC (MK5, size 36 for more information, please refer to the section "Solenoid coils - Series F300").

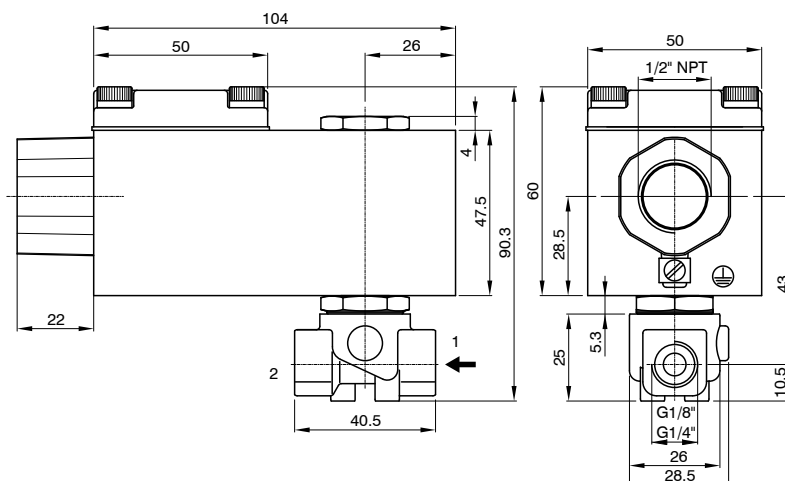
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- Brass body - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - Chemical nickel plating surface treatment - For use with oxygen - Stainless steel seat insert (up to Ø4,5) - certified solenoid coils - Versions for use with fluid temperature at -40 °C - PTFE - EPDM seals	Maximum admitted pressure (bar)	100
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
	Mounting position	Indifferent
	Weight (g) with solenoid coil MG series	360
	Weight (g) with solenoid coil MK series	440

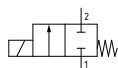
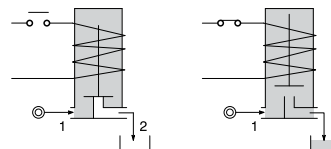
FX3106 - 2-way solenoid valve N.C. brass body, with G connection (ISO 228)
with certified housing: Ex d IIC T6 or T5 or T4 Gb - 1/8" and 1/4"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection		Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption		⊕= Solenoid coil	Temperature range (°C)
	A	B			Min	Max		AC Holding (VA)	DC (W)		
						AC	DC				
FX3106ⓈV10Ⓢ	1/8"	1/4"	1	0,04	0	80	80	12	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80
FX3106ⓈV12Ⓢ			1,2	0,05		60	60				
FX3106ⓈV15Ⓢ			1,5	0,07		30	26				
FX3106ⓈV20Ⓢ			2	0,1		22	20				
FX3106ⓈV25Ⓢ			2,5	0,15		16	14				
FX3106ⓈV30Ⓢ			3	0,25		15	10				
FX3106ⓈV35Ⓢ			3,5	0,32		10	8				
FX3106ⓈV40Ⓢ	/		4	0,36		8	5				
FX3106ⓈV45Ⓢ	/		4,5	0,41		6,5	3,5				
FX3106ⓈV52Ⓢ	/		5,2	0,47		4	1,8				
FX3106ⓈV64Ⓢ	/		6,4	0,64		3	1				

N.B. The solenoid valve is suited for intercepting only fluids that are NOT potentially explosive.

Example: FX3106CV35B => FX3106BV35A60:

2-way solenoid valve normally closed, direct acting poppet type with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 1/4", FPM seals, 3,5 mm orifice, solenoid coil 12 VDC (A60).

Pneumatic symbol

Diagram

Construction characteristics

- Brass body
- Red light alloy housing
- 1/2" NPT electrical connection (M20x1,5 on request)
- FPM sealing assemblies

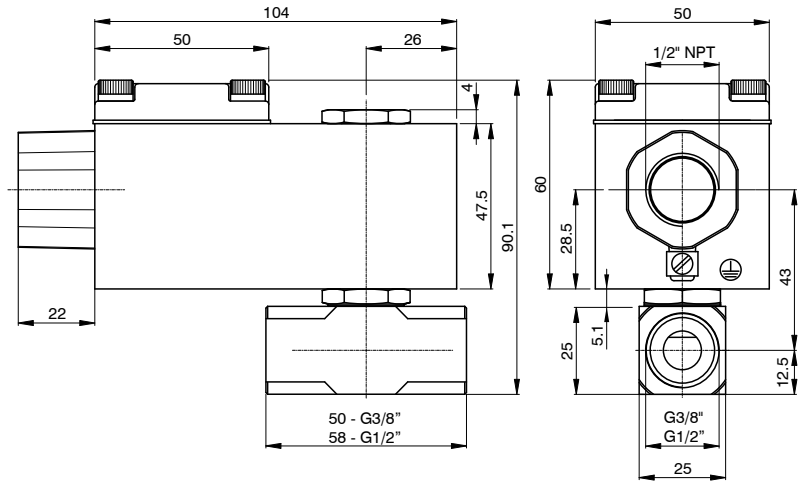
OPTIONS (on request):

- Manual override
- Chemical nickel plating surface treatment
- Stainless steel seat insert (up to Ø4,5)
- Stainless steel solenoid coil housing

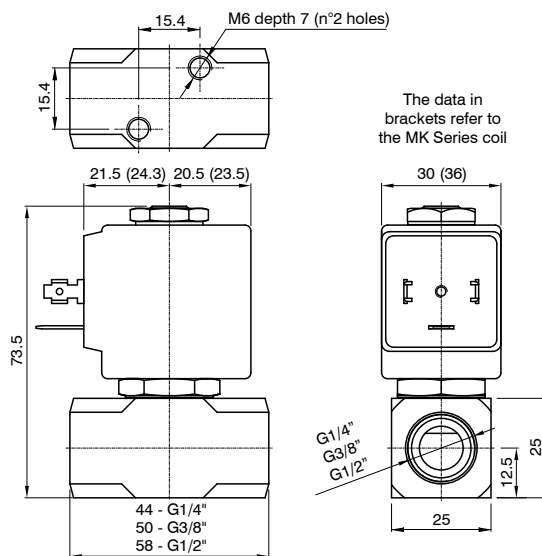
Technical characteristics

Maximum admitted pressure (bar)	100
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature (°C)	-40 ... +60
Mounting position	Vertical with solenoid coil upwards
Weight (g)	600

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Maximum admitted pressure (bar)	100
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature (°C)	-40 ... +60
Mounting position	Vertical with solenoid coil upwards
Weight (g)	660

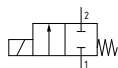
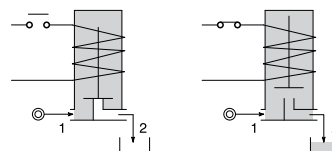
F3110 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228) - 1/4" ... 1/2"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection			Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	B	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
							AC	DC						
F3110CV10B	1/4"	3/8"	1/2"	1	0,04	0	80	80	20	15	10	MG	30	-10 ... +140
F3110CV12B				1,2	0,05		60	60						
F3110CV15B				1,5	0,07		30	26						
F3110CV20B				2	0,1		22	20						
F3110CV25B				2,5	0,15		16	14						
F3110CV30B				3	0,25		15	10						
F3110CV35B				3,5	0,32		10	8						
F3110CV40B				4	0,36		8	5						
F3110CV45B				4,5	0,41		6,5	3,5						
F3110CV52B				5,2	0,47		4	1,8						
F3110CV64B				6,4	0,64		3	1						
F3110CV10B	1/4"	3/8"	1/2"	1	0,04		100	100	40	30	27	MK	36	
F3110CV12B				1,2	0,05		100	100						
F3110CV15B				1,5	0,07		80	80						
F3110CV20B				2	0,1		50	40						
F3110CV25B				2,5	0,15		35	33						
F3110CV30B				3	0,25		25	24						
F3110CV35B				3,5	0,32		20	19						
F3110CV40B				4	0,36		16	15						
F3110CV45B				4,5	0,41		14	13						
F3110CV52B				5,2	0,47		10	9						
F3110CV64B				6,4	0,64		5	4,5						

N.B. For use with steam, maximum admitted pressure PS is 9 bar (relative pressure) with seals in PTFE and 2.5 bar with seals in EPDM.

Example: F3110CV25B => F3110BV25MG5:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 2,5 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 303 stainless steel body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

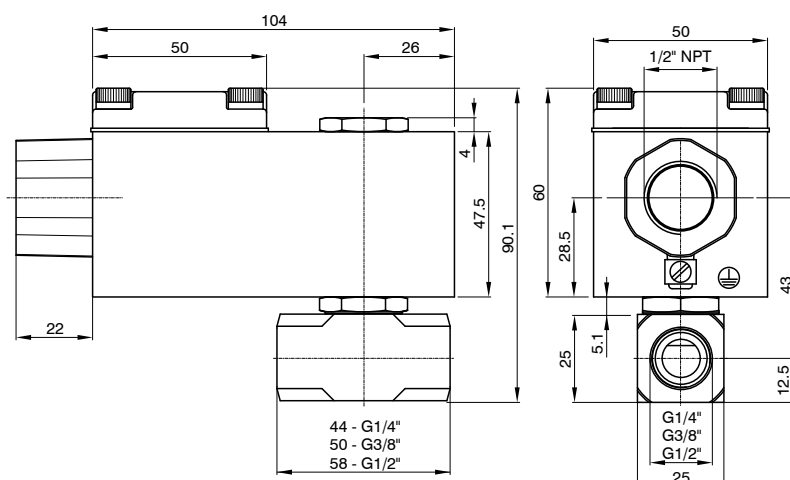
- Silver advance ring
- For use with oxygen
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C
- PTFE - EPDM seals

Technical characteristics

Maximum admitted pressure (bar)	100
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Indifferent
Weight (g) with solenoid coil MG series	360
Weight (g) with solenoid coil MK series	440



**FX3110 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228)
with certified housing: Ex d IIC T6 or T5 or T4 Gb - 1/4" ... 1/2"**



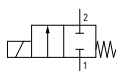
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection			Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption		⊕ = Solenoid coil	Temperature range (°C)
	B	C	D			Min	Max	AC Holding (VA)	DC (W)		
FX3110⊕V10⊕	1/4"	3/8"	1/2"	1	0,04	0	80	80	12	8	A6B = 24 Volt (AC 50-60 Hz) A6E = 220/230 Volt (AC 50-60 Hz) A60 = 12 Volt (DC) A61 = 24 Volt (DC)
FX3110⊕V12⊕				1,2	0,05		60	60			
FX3110⊕V15⊕				1,5	0,07		30	26			
FX3110⊕V20⊕				2	0,1		22	20			
FX3110⊕V25⊕				2,5	0,15		16	14			
FX3110⊕V30⊕				3	0,25		15	10			
FX3110⊕V35⊕				3,5	0,32		10	8			
FX3110⊕V40⊕				4	0,36		8	5			
FX3110⊕V45⊕				4,5	0,41		6,5	3,5			
FX3110⊕V52⊕				5,2	0,47		4	1,8			
FX3110⊕V64⊕				6,4	0,64		3,5	1			

N.B. The solenoid valve is suited for intercepting only fluids that are NOT potentially explosive.

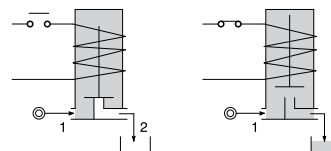
Example: FX3110⊕V52⊕ => FX3110DV52A60:

2-way solenoid valve normally closed, direct acting poppet type with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 1/2", FPM seals, 5,2 mm orifice, solenoid coil 12 VDC (A60).

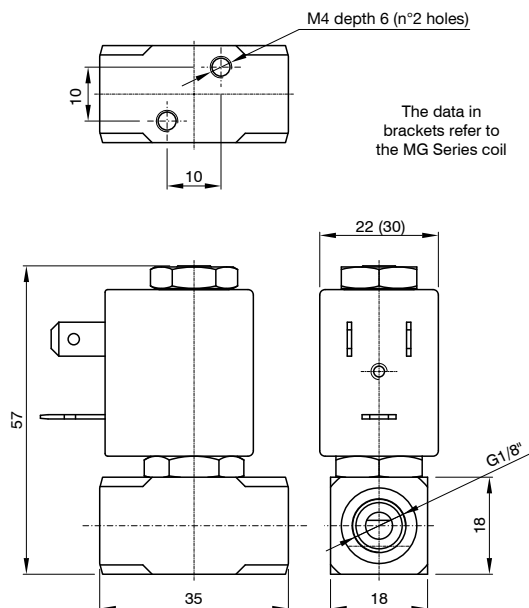
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- AISI 303 stainless steel body	Maximum admitted pressure (bar)	100
- AISI 303 stainless steel guide tube	Maximum fluid viscosity (mm²/s)	25cSt
- AISI 302 stainless steel springs	Ambient temperature (°C)	-40 ... +60
- Red light alloy or stainless steel housing	Mounting position	Vertical with solenoid coil upwards
- 1/2" NPT electrical connection (M20x1,5 on request)	Weight (g)	660
- FPM sealing assemblies		

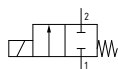
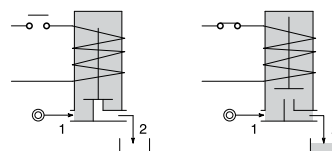
F3111 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228) - 1/8"


CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	A			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
					AC	DC						
F3111⊕V12⊕	1/8"	1,2	0,04	0	25	25	12	8	6,5	MI	22	-10 ... +140
F3111⊕V15⊕		1,5	0,06		16	16						
F3111⊕V20⊕		2	0,09		12	10						
F3111⊕V25⊕		2,5	0,14		8	5,5						
F3111⊕V31⊕		3,1	0,19		5	2						
F3111⊕V20⊕	1/8"	2	0,09	0	25	15	15	11	5	MG	30	
F3111⊕V25⊕		2,5	0,14		16	8						
F3111⊕V31⊕		3,1	0,19		8	4						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3111⊕V25⊕ => F3111AV25MI58:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 2,5 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 303 stainless steel body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- Silver advance ring
- For use with oxygen
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- UL certified solenoid coils
- Versions for use with fluid temperature at -40 °C

Technical characteristics

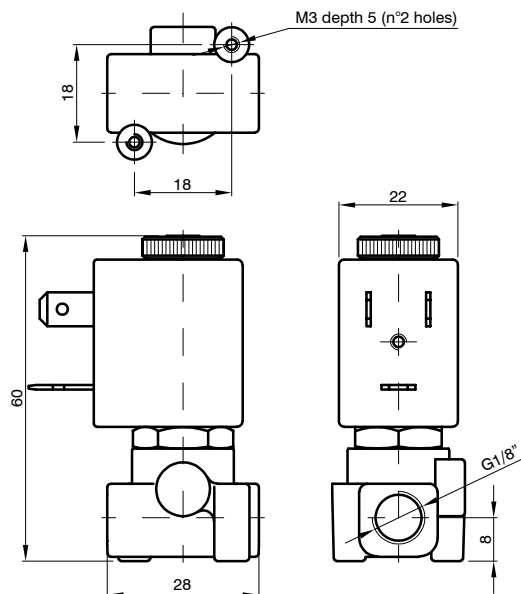
Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g) with solenoid coil MI series	150
Weight (g) with solenoid coil MG series	200



F3115 - 2-way solenoid valve brass body, with G connection (ISO 228) bistable impulse drive - 1/8"



The bistable function is achieved by the use of a polarized permanent magnet energizing the coil with a DC current for at least 15ms in the reverse direction of the preceding impulse.

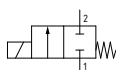


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption	⊕= Solenoid coil		Temperature range ("C)
	A			Min	Max	DC (W)	Series	Size	
F3115⊕V12⊕	1/8"	1,2	0,04	0	12	2	MI/DC	22	-10 ... +120
F3115⊕V15⊕		1,5	0,06		8	2			
F3115⊕V20⊕					20	5			
F3115⊕V25⊕		2	0,09		3	2			
					12	5			
					1	2			
F3115⊕V31⊕		2,5	0,14		5	5			
					8	6,5			
					2	5			
		3,1	0,19		3,5	6,5			

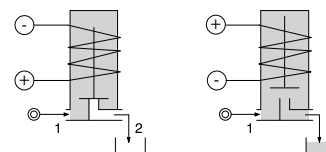
Example: F3115⊕V25⊕ => F3115AV25MI5:

2-way solenoid valve, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 2,5 mm orifice, solenoid coil 24 VDC (MI5, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

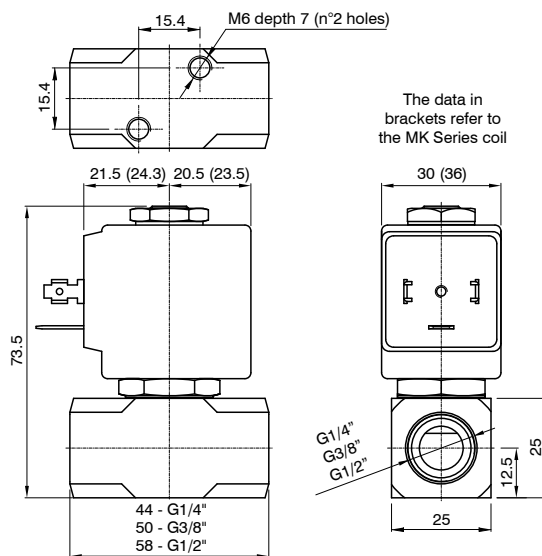
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- Brass body - Brass guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - Chemical nickel plating surface treatment - Stainless steel guide tube - XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC	Maximum admitted pressure (bar)	50
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Indifferent
	Weight (g)	140

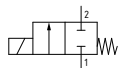
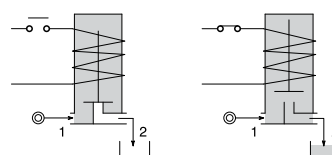
F3170 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228) - 1/4" ... 1/2"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection			Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	B	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
							AC	DC						
F3170⊕V10⊕	1/4"	3/8"	1/2"	1	0,04	0	80	80	20	15	10	MG	30	-10 ... +140
F3170⊕V12⊕				1,2	0,05		60	60						
F3170⊕V15⊕				1,5	0,07		30	26						
F3170⊕V20⊕				2	0,1		22	20						
F3170⊕V25⊕				2,5	0,15		16	14						
F3170⊕V30⊕				3	0,25		15	10						
F3170⊕V35⊕				3,5	0,32		10	8						
F3170⊕V40⊕				4	0,36		8	5						
F3170⊕V45⊕				4,5	0,41		6,5	3,5						
F3170⊕V10⊕	1/4"	3/8"	1/2"	1	0,04		100	100	40	30	27	MK	36	
F3170⊕V12⊕				1,2	0,05		100	100						
F3170⊕V15⊕				1,5	0,07		80	80						
F3170⊕V20⊕				2	0,1		50	40						
F3170⊕V25⊕				2,5	0,15		35	33						
F3170⊕V30⊕				3	0,25		25	24						
F3170⊕V35⊕				3,5	0,32		20	19						
F3170⊕V40⊕				4	0,36		16	15						
F3170⊕V45⊕				4,5	0,41		14	13						

N.B. For use with steam, maximum admitted pressure PS is 9 bar (relative pressure) with seals in PTFE and 2.5 bar with seals in EPDM.

Example: F3170CV25B => F3170BV25MG5:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 2,5 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 316 stainless steel body
- AISI 316 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 316 stainless steel springs
- Silver advance ring
- FPM sealing assemblies

OPTIONS (on request):

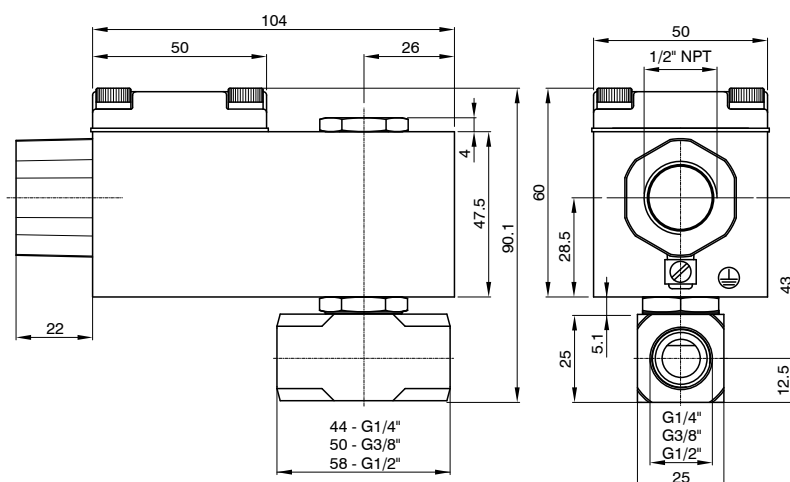
- For use with oxygen
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C
- PTFE - EPDM seals

Technical characteristics

Maximum admitted pressure (bar)	100
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Indifferent
Weight (g) with solenoid coil MG series	360
Weight (g) with solenoid coil MK series	440



**FX3170 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228)
with certified housing: Ex d IIC T6 or T5 or T4 Gb - 1/4" ... 1/2"**



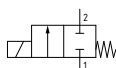
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection			Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption		⊕ = Solenoid coil	Temperature range (°C)
	B	C	D			Min	Max	AC Holding (VA)	DC (W)		
FX3170⊕V10⊕	1/4"	3/8"	1/2"	1	0,04	0	80	80	12	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)
FX3170⊕V12⊕				1,2	0,05		60	60			
FX3170⊕V15⊕				1,5	0,07		30	26			
FX3170⊕V20⊕				2	0,1		22	20			
FX3170⊕V25⊕				2,5	0,15		16	14			
FX3170⊕V30⊕				3	0,25		15	10			
FX3170⊕V35⊕				3,5	0,32		10	8			
FX3170⊕V40⊕				4	0,36		8	5			
FX3170⊕V45⊕				4,5	0,41		6,5	3,5			

N.B. The solenoid valve is suited for intercepting only fluids that are NOT potentially explosive.

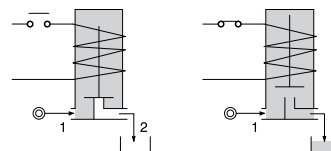
Example: FX3170⊕V45⊕ => FX3170DV45A60:

2-way solenoid valve normally closed, direct acting poppet type with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 1/2", FPM seals, 4,5 mm orifice, solenoid coil 12 VDC (A60).

Pneumatic symbol



Diagram

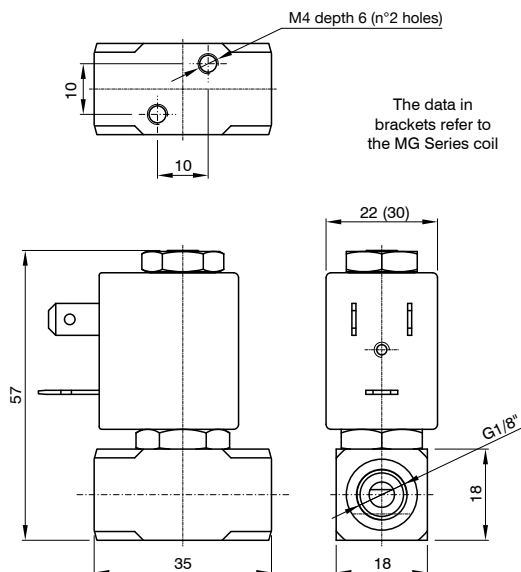


Construction characteristics

- AISI 316 stainless steel body
- AISI 316 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- Silver advance ring
- AISI 316 stainless steel springs
- Red light alloy or stainless steel housing
- 1/2" NPT electrical connection (M20x1,5 on request)
- FPM sealing assemblies

Technical characteristics

Maximum admitted pressure (bar)	100
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature (°C)	-40 ... +60
Mounting position	Vertical with solenoid coil upwards
Weight (g)	660

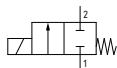
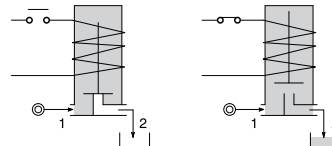
F3171 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228) - 1/8"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	A			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
					AC	DC						
F3171⊕V12⊕	1/8"	1,2	0,04	0	25	25	12	8	6,5	MI	22	-10 ... +140
F3171⊕V15⊕		1,5	0,06		16	16						
F3171⊕V20⊕		2	0,09		12	10						
F3171⊕V25⊕		2,5	0,14		8	5,5						
F3171⊕V31⊕		3,1	0,19		5	2						
F3171⊕V20⊕	1/8"	2	0,09		25	15	15	11	5	MG	30	
F3171⊕V25⊕		2,5	0,14		16	8						
F3171⊕V31⊕		3,1	0,19		8	4						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3171CV25B => F3171AV25MI58:

2-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 2,5 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 316 stainless steel body
- AISI 316 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- Silver advance ring
- AISI 316 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

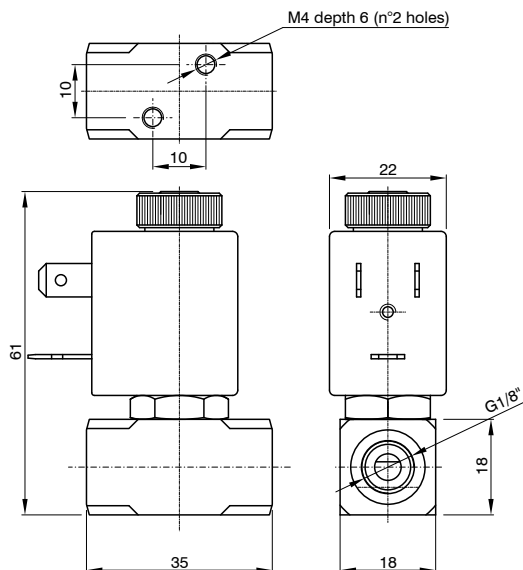
- For use with oxygen
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C

Technical characteristics

Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g) with solenoid coil MI series	150
Weight (g) with solenoid coil MG series	200



F3271 - 2-way solenoid valve N.O. stainless steel body, with G connection (ISO 228) - 1/8"



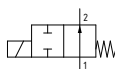
CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	A			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
					AC	DC						
F3271⊕V12⊕	1/8"	1,2	0,04	0	19	19	12	8	6,5	MI	22	-10 ... +140
F3271⊕V15⊕		1,5	0,06		14	14						
F3271⊕V20⊕		2	0,09		8	8						
F3271⊕V25⊕		2,5	0,14		4,5	4,5						
F3271⊕V31⊕		3,1	0,19		2,5	2,5						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

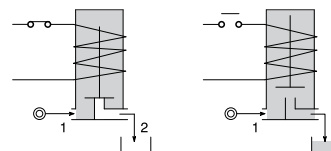
Example: F3271⊕V25⊕ => F3271AV25MI58:

2-way solenoid valve normally open, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 2,5 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol



Diagram



Construction characteristics

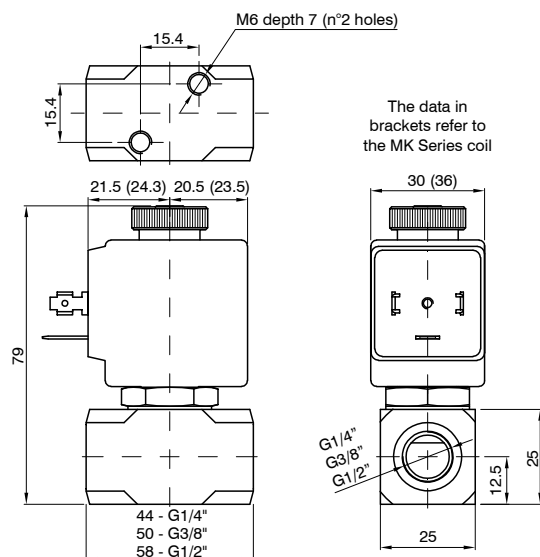
- AISI 316 stainless steel body
- AISI 316 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- Silver advance ring
- AISI 316 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- For use with oxygen
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C

Technical characteristics

Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g)	150

F3210 - 2-way solenoid valve N.O. stainless steel body, with G connection (ISO 228) - 1/4" ... 1/2"


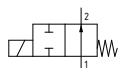
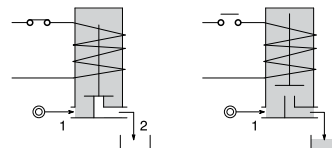
The data in brackets refer to the MK Series coil

CODE “V”= FPM seals	G connection (ISO 228) ⊗= Connection			Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊗= Solenoid coil		Temperature range (°C)	
	B	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
							AC	DC							
F3210⊗V15⊗	1/4"	3/8"	1/2"	1,5	0,07	0	23	/	20	15	/	MG/AC	30	-10 ... +140	
F3210⊗V20⊗				2	0,1		17								
F3210⊗V25⊗				2,5	0,15		12								
F3210⊗V30⊗				3	0,25		9								
F3210⊗V35⊗				3,5	0,32		7								
F3210⊗V40⊗				4	0,36		5,5								
F3210⊗V45⊗				4,5	0,41		4,5								
F3210⊗V52⊗				5,2	0,47		3								
F3210⊗V15⊗	1/4"	3/8"	1/2"	1,5	0,07		/	18	/	/	10	MG/DC	30		
F3210⊗V20⊗				2	0,1			11							
F3210⊗V25⊗				2,5	0,15			7							
F3210⊗V30⊗				3	0,25			6,5							
F3210⊗V35⊗				3,5	0,32			4							
F3210⊗V40⊗				4	0,36			3,5							
F3210⊗V45⊗				4,5	0,41			3							
F3210⊗V52⊗				5,2	0,47			2,2							
F3210⊗V15⊗	1/4"	3/8"	1/2"	1,5	0,07		23	23	40	30	27	MK (AC/DC)	36		
F3210⊗V20⊗				2	0,1			17							17
F3210⊗V25⊗				2,5	0,15			12							12
F3210⊗V30⊗				3	0,25			9							9
F3210⊗V35⊗				3,5	0,32			7							7
F3210⊗V40⊗				4	0,36			5,5							5,5
F3210⊗V45⊗				4,5	0,41			4,5							4,5
F3210⊗V52⊗				5,2	0,47			3							3
F3210⊗V64⊗				6,4	0,64		3,5	3,5							

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3210☉V25☉ => F3210BV25MG5:

2-way solenoid valve normally open, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 2,5 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 303 stainless steel body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

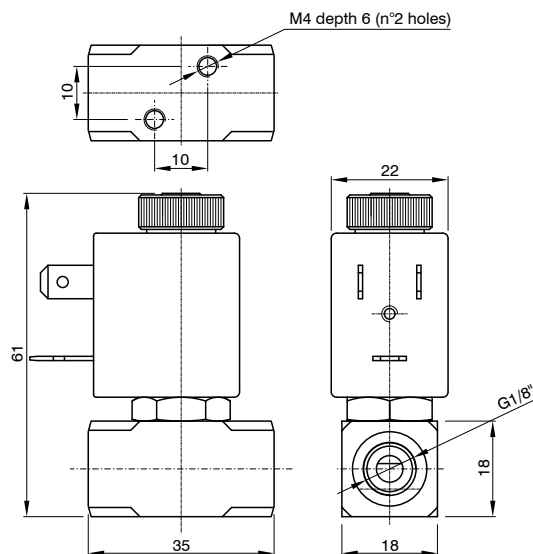
- Silver advance ring
- For use with oxygen
- us certified solenoid coils
- Versions for use with fluid temperature at -40 °C
- Manual override

Technical characteristics

Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Indifferent
Weight (g) with solenoid coil MG series	300
Weight (g) with solenoid coil MK series	380



F3211 - 2-way solenoid valve N.O. stainless steel body, with G connection (ISO 228) - 1/8"



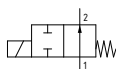
CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	A			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
					AC	DC						
F3211⊕V12⊕	1/8"	1,2	0,04	0	19	19	12	8	6,5	MI	22	-10 ... +140
F3211⊕V15⊕		1,5	0,06		14	14						
F3211⊕V20⊕		2	0,09		8	8						
F3211⊕V25⊕		2,5	0,14		4,5	4,5						
F3211⊕V31⊕		3,1	0,19		2,5	2,5						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

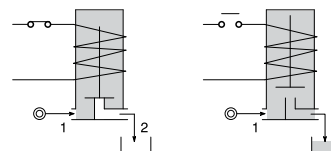
Example: F3211⊕V25⊕ => F3211AV25MI58:

2-way solenoid valve normally open, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 2,5 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

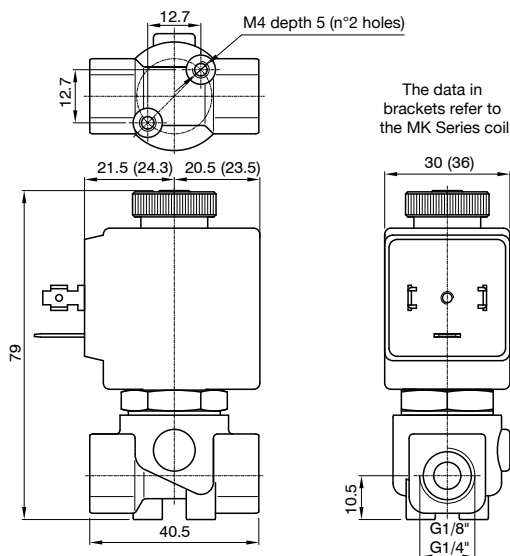
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- AISI 303 stainless steel body - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC - For use with oxygen - certified solenoid coils - Versions for use with fluid temperature at -40 °C - Manual override	Maximum admitted pressure (bar)	50
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Indifferent
	Weight (g)	150

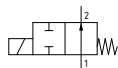
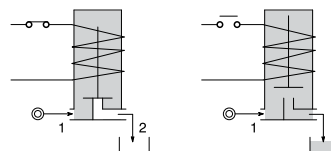
F3206 - 2-way solenoid valve N.O. brass body, with G connection (ISO 228) - 1/8" and 1/4"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection		Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	A	B			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
						AC	DC						
F3206⊕V15⊕	1/8"	1/4"	1,5	0,07	0	23	/	20	15	/	MG/AC	30	-10 ... +140
F3206⊕V20⊕			2	0,1		17							
F3206⊕V25⊕			2,5	0,15		12							
F3206⊕V30⊕			3	0,25		8							
F3206⊕V35⊕			3,5	0,32		7							
F3206⊕V40⊕			4	0,36		5,5							
F3206⊕V45⊕			4,5	0,41		4,5							
F3206⊕V52⊕			5,2	0,47		3							
F3206⊕V15⊕	1/8"	1/4"	1,5	0,07		/	18	/	/	10	MG/DC	30	
F3206⊕V20⊕			2	0,1			11						
F3206⊕V25⊕			2,5	0,15			7						
F3206⊕V30⊕			3	0,25			6,5						
F3206⊕V35⊕			3,5	0,32			4						
F3206⊕V40⊕			4	0,36			3,5						
F3206⊕V45⊕			4,5	0,41			3						
F3206⊕V52⊕			5,2	0,47			2,2						
F3206⊕V15⊕	1/8"	1/4"	1,5	0,07		23	23	40	30	27	MK (AC/DC)	36	
F3206⊕V20⊕			2	0,1		17	17						
F3206⊕V25⊕			2,5	0,15		12	12						
F3206⊕V30⊕			3	0,25		8	8						
F3206⊕V35⊕			3,5	0,32		7	7						
F3206⊕V40⊕			4	0,36		5,5	5,5						
F3206⊕V45⊕			4,5	0,41		4,5	4,5						
F3206⊕V52⊕			5,2	0,47		3	3						
F3206⊕V64⊕			6,4	0,64		3,5	3,5						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3206CV25B => F3206BV25MG5:

2-way solenoid valve normally open, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 2,5 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

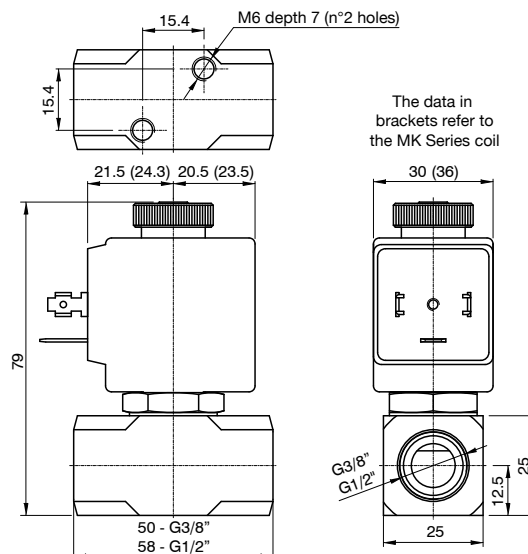
- Brass body
- Brass guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- Stainless steel guide tube
- Chemical nickel plating surface treatment
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C
- Manual override

Technical characteristics

Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Indifferent
Weight (g) with solenoid coil MG series	300
Weight (g) with solenoid coil MK series	380

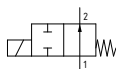
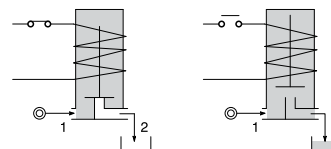

F3206 - 2-way solenoid valve N.O. brass body, with G connection (ISO 228) - 3/8" and 1/2"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection		Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)
	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
						AC	DC						
F3206⊕V15⊕	3/8"	1/2"	1,5	0,07	0	23	/	20	15	/	MG/AC	30	-10 ... +140
F3206⊕V20⊕			2	0,1		17							
F3206⊕V25⊕			2,5	0,15		12							
F3206⊕V30⊕			3	0,25		9							
F3206⊕V35⊕			3,5	0,32		7							
F3206⊕V40⊕			4	0,36		5,5							
F3206⊕V45⊕			4,5	0,41		4,5							
F3206⊕V52⊕			5,2	0,47		3							
F3206⊕V15⊕	3/8"	1/2"	1,5	0,07		/	18	/	/	10	MG/DC	30	
F3206⊕V20⊕			2	0,1			11						
F3206⊕V25⊕			2,5	0,15			7						
F3206⊕V30⊕			3	0,25			6,5						
F3206⊕V35⊕			3,5	0,32			4						
F3206⊕V40⊕			4	0,36			3,5						
F3206⊕V45⊕			4,5	0,41			3						
F3206⊕V52⊕			5,2	0,47			2,2						
F3206⊕V15⊕	3/8"	1/2"	1,5	0,07		40	23	23	30	27	MK (AC/DC)	36	
F3206⊕V20⊕			2	0,1			17	17					
F3206⊕V25⊕			2,5	0,15			12	12					
F3206⊕V30⊕			3	0,25			9	9					
F3206⊕V35⊕			3,5	0,32			7	7					
F3206⊕V40⊕			4	0,36			5,5	5,5					
F3206⊕V45⊕			4,5	0,41			4,5	4,5					
F3206⊕V52⊕			5,2	0,47			3	3					
F3206⊕V64⊕			6,4	0,64			3,5	3,5					

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3206⊕V25⊕ => F3206DV25MG5:

2-way solenoid valve normally open, direct acting poppet type with G connection (ISO 228) 1/2", FPM seals, 2,5 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

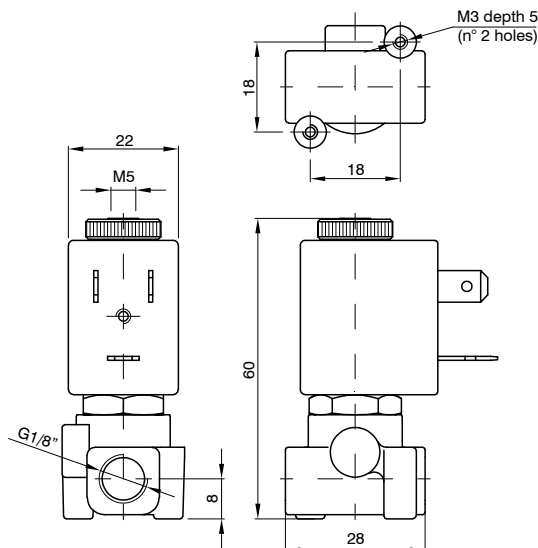
- Brass body
- Brass guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- Stainless steel guide tube
- Chemical nickel plating surface treatment
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C
- Manual override

Technical characteristics

Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Indifferent
Weight (g) with solenoid coil MG series	300
Weight (g) with solenoid coil MK series	380

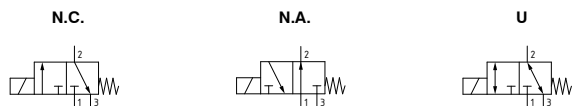
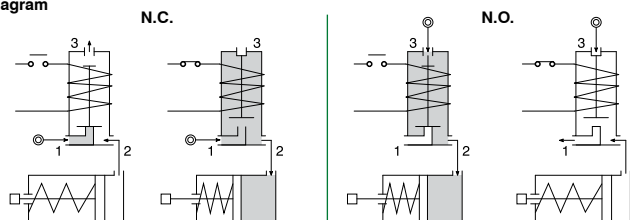
F3305 - 3-way solenoid valve brass body, with G connection (ISO 228) - 1/8"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)	
	A	Inlet	Exhaust		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
						AC	DC							
N.C. - Normally closed														
F3305⊕V12⊕	1/8"	1,2	1,5	0,04	0	15	15	12	8	6,5	MI	22	-10 ... +140	
F3305⊕V15⊕		1,5	1,5	0,06		10	10							
F3305⊕V20⊕		2	1,7	0,09		6	6							
N.O. - Normally open														
F3305⊕V15S⊕	1/8"	1,5	1,5	0,06	0	10	10	12	8	6,5	MI	22		
F3305⊕V17S⊕		1,7	2	0,07		6	6							
U - Universal														
F3305⊕V15U⊕	1/8"	1,5	1,5	0,06	0	6	6	12	8	6,5	MI	22		

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3305CV12B => F3305AV12MI5:

3-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 1,2 mm inlet orifice, solenoid coil 24 VDC (MI5, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- Brass body
- Brass guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

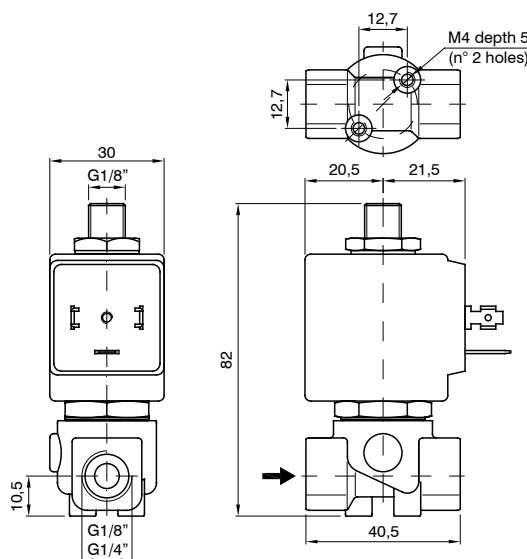
- Stainless steel guide tube
- Chemical nickel plating surface treatment
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- UL certified solenoid coils
- Exhaust port with hositail connection
- Versions for use with fluid temperature at -40 °C
- Manual override

Technical characteristics

Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Universal
Weight (g)	110



F3306 - 3-way solenoid valve brass body, with G connection (ISO 228) - 1/8" and 1/4"



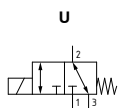
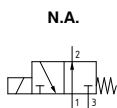
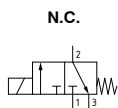
CODE "V"= FPM seals	G connection (ISO 228) ⊙= Connection		Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊗= Solenoid coil		Temperature range (°C)	
	A	B	Inlet	Exhaust		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
							AC	DC							
N.C. - Normally closed															
F3306⊙V15⊙	1/8"	1/4"	1,5	2,4	0,07	0	20	20	20	15	10	MG	30	-10 ... +140	
F3306⊙V20⊙			2	2,4	0,11		13	13							
F3306⊙V25⊙			2,5	2,4	0,16		10	10							
N.O. - Normally open															
F3306⊙V25S⊙	1/8"	1/4"	2,4	2,5	0,16	0	9	9	20	15	10	MG	30		
F3306⊙V29S⊙			2,9	3	0,20		6,5	6,5							
U - Universal															
F3306⊙V25U⊙	1/8"	1/4"	2,5	2,4	0,16	0	5	4	20	15	10	MG	30		

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

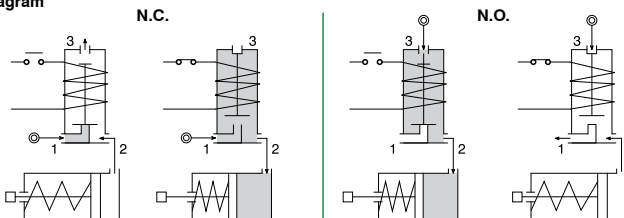
Example: F3306⊙V15⊙ => F3306AV15MG5:

3-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 1,5 mm inlet orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol



Diagram



Construction characteristics

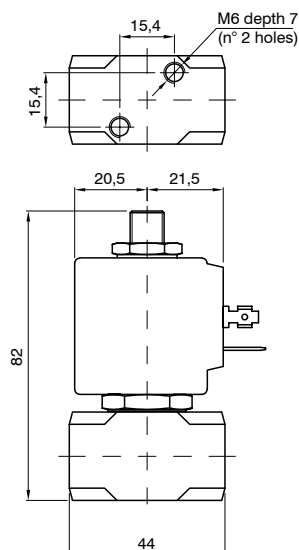
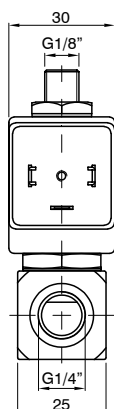
- Brass body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- Manual override
- Chemical nickel plating surface treatment
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C

Technical characteristics

Maximum admitted pressure (bar)	80
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g)	125

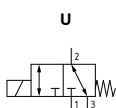
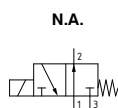
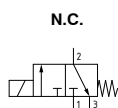
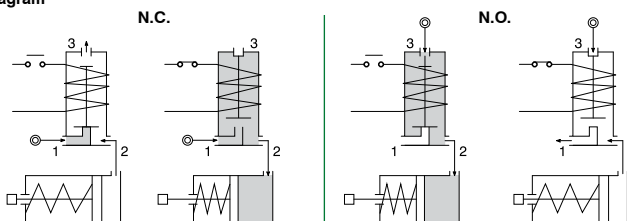
F3310 - 3-way solenoid valve stainless steel body, with G connection (ISO 228) - 1/4"


CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)	
	B	Inlet	Exhaust		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
						AC	DC							
N.C. - Normally closed														
F3310⊕V20⊕	1/4"	2	2,4	0,11	0	13	13	20	15	10	MG	30	-10 ... +140	
F3310⊕V25⊕		2,5	2,4	0,16		10	10							
N.O. - Normally open														
F3310⊕V25S⊕	1/4"	2,4	2,5	0,16	0	9	9	20	15	10	MG	30		
F3310⊕V29S⊕		2,9	3	0,20		6,5	6,5							
U - Universal														
F3310⊕V25U⊕	1/4"	2,5	2,4	0,16	0	5	4	20	15	10	MG	30		

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3310⊕V20⊕ => F3310BV20MG5:

3-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 2 mm inlet orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 303 stainless steel body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

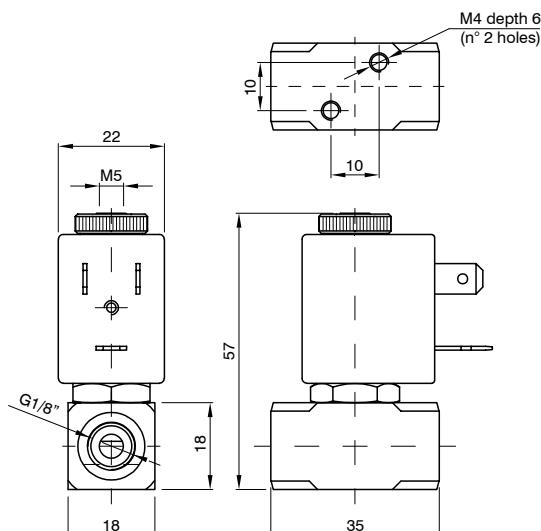
- Silver advance ring
- certified solenoid coils
- Versions for use with fluid temperature at -40 °C

Technical characteristics

Maximum admitted pressure (bar)	80
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g)	360



F3311 - 3-way solenoid valve stainless steel body, with G connection (ISO 228) - 1/8"



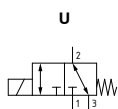
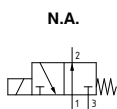
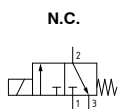
CODE “V”= FPM seals	G connection (ISO 228) ⊙= Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊖= Solenoid coil		Temperature range (°C)	
	A	Inlet	Exhaust		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
						AC	DC							
N.C. - Normally closed														
F3311⊙V12⊖	1/8"	1,2	1,5	0,04	0	15	15	12	8	6,5	MI	22	-10 ... +140	
F3311⊙V15⊖		1,5	1,5	0,06		10	10							
F3311⊙V20⊖		2	1,7	0,09		6	6							
N.O. - Normally open														
F3311⊙V15S⊖	1/8"	1,5	1,5	0,06	0	10	10	12	8	6,5	MI	22		
F3311⊙V17S⊖		1,7	2	0,07		6	6							
U - Universal														
F3311⊙V15U⊖	1/8"	1,5	1,5	0,06	0	6	6	12	8	6,5	MI	22		

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

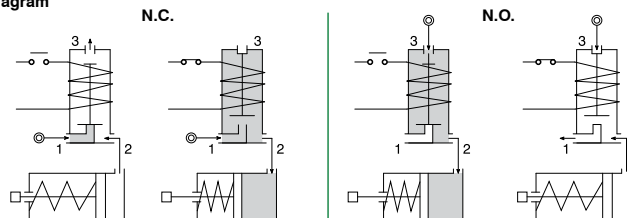
Example: F3311⊙V20⊖ => F3311AV20MI58:

3-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 2 mm inlet orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol



Diagram



Construction characteristics

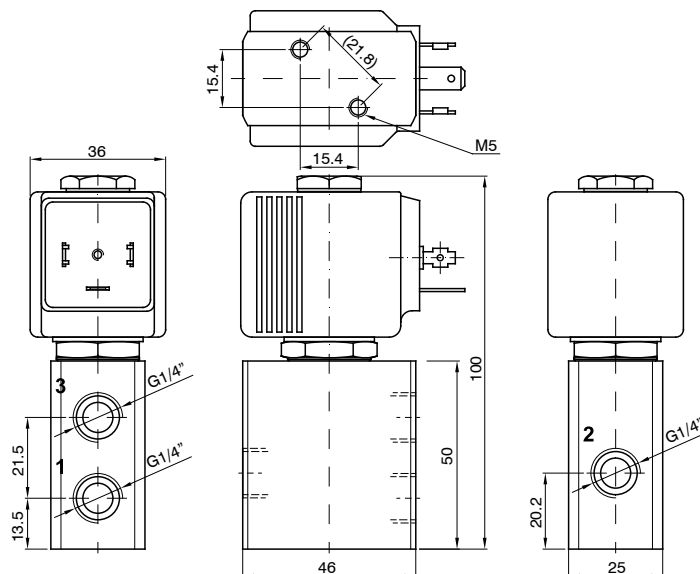
- AISI 303 stainless steel body
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- Silver advance ring
- certified solenoid coils
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- Exhaust port with hositail connection
- Versions for use with fluid temperature at -40 °C

Technical characteristics

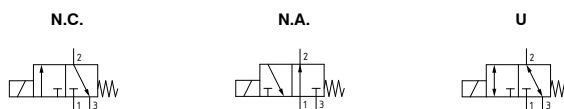
Maximum admitted pressure (bar)	50
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g)	150

F332 - 3-way solenoid valve stainless steel or anodised aluminium body, with G connection (ISO 228) - 1/4"


CODE “V” = FPM seals	G connection (ISO 228) ⊕ = Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	B	Inlet	Exhaust		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
						AC	DC						
Anodised aluminium body													
U - Universal													-10 ... +140
F3320⊕V75⊕	1/4"	7,5	7,5	0,64	0	5	5	40	30	27	MK	36	
N.C. - Normally closed													
F3321⊕V75⊕	1/4"	7,5	7,5	0,64	0	9	9	40	30	27	MK	36	
N.O. - Normally open													
F3322⊕V75⊕	1/4"	7,5	7,5	0,64	0	9	9	40	30	27	MK	36	
Stainless steel body													
U - Universal													-10 ... +140
F3323⊕V75⊕	1/4"	7,5	7,5	0,64	0	5	5	40	30	27	MK	36	
N.C. - Normally closed													
F3324⊕V75⊕	1/4"	7,5	7,5	0,64	0	9	9	40	30	27	MK	36	
N.O. - Normally open													
F3325⊕V75⊕	1/4"	7,5	7,5	0,64	0	9	9	40	30	27	MK	36	

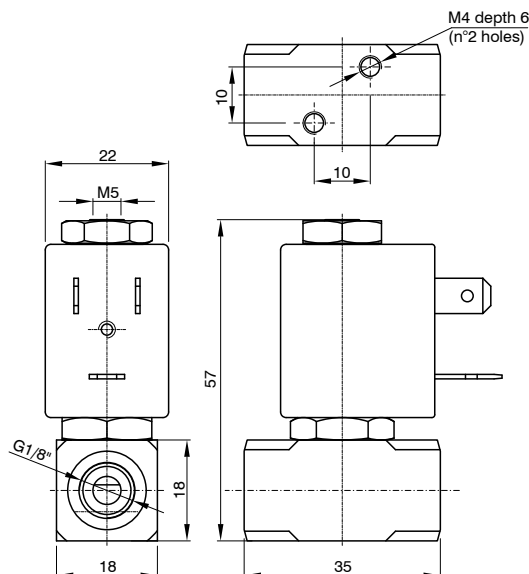
Example: F3321CV75B => F3321BV75MK5:

3-way solenoid valve normally closed, direct acting poppet type aluminium body with G connection (ISO 228) 1/4", FPM seals, 7,5 mm inlet orifice, solenoid coil 24 VDC (MK5, size 36 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol


Construction characteristics	Technical characteristics	
- AISI 303 stainless steel or anodised aluminium body - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies	Maximum admitted pressure (bar)	50
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
	Mounting position	Indifferent
	Weight (g)	430

F3371 - 3-way solenoid valve stainless steel body, with G connection (ISO 228) - 1/8"



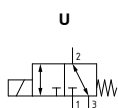
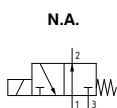
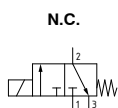
CODE “V”= FPM seals	G connection (ISO 228) ⊗= Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊗= Solenoid coil		Temperature range (°C)	
	A	Inlet	Exhaust		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
						AC	DC							
N.C. - Normally closed														
F3371⊗V12⊗	1/8"	1,2	1,5	0,04	0	15	15	12	8	6,5	MI	22	-10 ... +140	
F3371⊗V15⊗		1,5	1,5	0,06		10	10							
F3371⊗V20⊗		2	1,5	0,09		6	6							
N.O. - Normally open														
F3371⊗V15S⊗	1/8"	1,5	1,5	0,06	0	10	10	12	8	6,5	MI	22		
U - Universal														
F3371⊗V15U⊗	1/8"	1,5	1,5	0,06	0	6	6	12	8	6,5	MI	22		

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

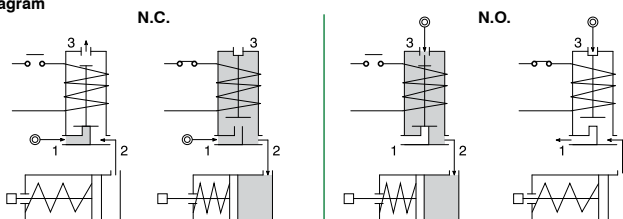
Example: F3371⊗V12⊗ => F3371AV12MI58:

3-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/8", FPM seals, 1,2 mm inlet orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

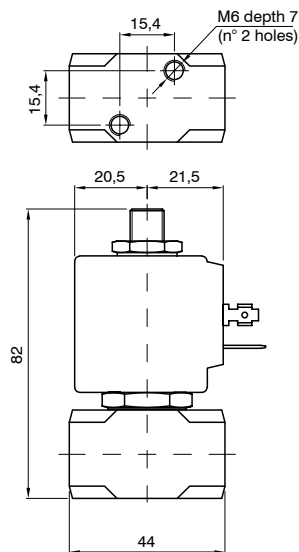
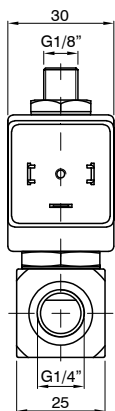
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- AISI 316 stainless steel body - AISI 316 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - Silver advance ring - AISI 316 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC - Exhaust port with hose tail connection - certified solenoid coils - Versions for use with fluid temperature at -40 °C	Maximum admitted pressure (bar)	50
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Indifferent
	Weight (g)	150

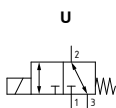
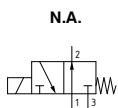
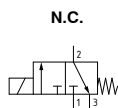
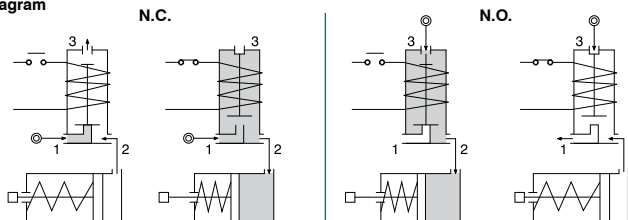
F3370 - 3-way solenoid valve stainless steel body, with G connection (ISO 228) - 1/4"


CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)	
	B	From 1 to 2	From 2 to 3		Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
						AC	DC							
N.C. - Normally closed														
F3370⊕V15⊕	1/4"	1,5	2,4	0,07	0	16	16	20	15	10	MG	30	-10 ... +140	
F3370⊕V20⊕		2	2,4	0,11		13	13							
F3370⊕V25⊕		2,5	2,4	0,16		10	10							
N.O. - Normally open														
F3370⊕V24S⊕	1/4"	2,4	2,5	0,16	0	9	9	20	15	10	MG	30		
U - Universal														
F3370⊕V25U⊕	1/4"	2,5	2,4	0,16	0	5	4	20	15	10	MG	30		

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3370⊕V15⊕ => F3370BV15MG5:

3-way solenoid valve normally closed, direct acting poppet type with G connection (ISO 228) 1/4", FPM seals, 1,5 mm orifice, from 1 to 2, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- AISI 316 stainless steel body
- AISI 316 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- Silver advance ring
- AISI 316 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

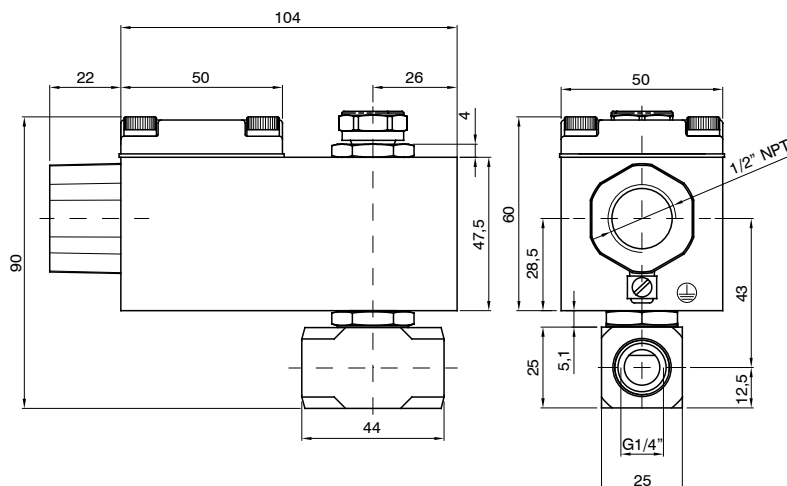
- For use with oxygen
- US certified solenoid coils
- Versions for use with fluid temperature at -40 °C

Technical characteristics

Maximum admitted pressure (bar)	80
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Indifferent
Weight (g)	360



**FX3370 - 3-way solenoid valve N.C. stainless steel body, with G connection (ISO 228)
with certified housing: Ex d IIC T6 or T5 or T4 Gb - 1/4"**



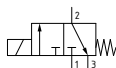
CODE “V”= FPM seals	G connection (ISO 228) ☉= Connection	Orifice (mm)		KV (m³/h)	Differential pressure (bar)			Power consumption		☉= Solenoid coil	Temperature range (°C)
	B	From 1 to 2	From 2 to 3		Min	Max		AC Holding (VA)	DC (W)		
						AC	DC				
FX3370☉V15☉	1/4"	1,5	2,4	0,07	0	16	16	12	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80
FX3370☉V20☉		2	2,4	0,11		13	13				
FX3370☉V25☉		2,5	2,4	0,16		10	10				

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

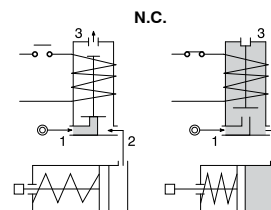
Example: FX3370⊕V15⊖ => FX3370BV15A60:

3-way solenoid valve normally closed, direct acting poppet type with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 1/4", FPM seals, 1,5 mm orifice, from 1 to 2, solenoid coil 12 VDC (A60).

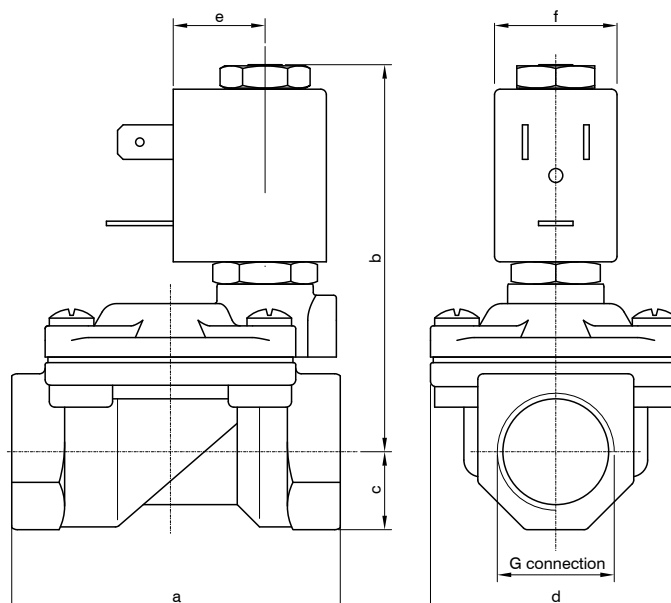
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- AISI 316 stainless steel body	Maximum admitted pressure (bar)	80
- AISI 316 stainless steel guide tube	Maximum fluid viscosity (mm²/s)	25cSt
- AISI 430FR stainless steel mobile and fixed core	Ambient temperature (°C)	-40 ... +60
- AISI 316 stainless steel springs	Mounting position	Vertical with solenoid coil upwards
- Red light alloy housing	Weight (g)	650
- 1/2" NPT electrical connection (M20x1,5 on request)		
- FPM sealing assemblies		

F3107 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 1/4" ... 1" 1/4


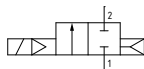
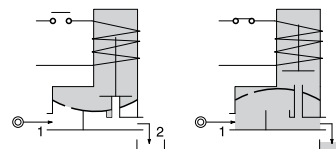
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection						Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	B	C	D	E	F	G			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
F3107CV10⊕	1/4"			/			10	1,5	0,15	15	15	12	8	6,5	MI	22	-10 ... +140
F3107CV10⊕	/	3/8"		/			10	1,7		15	15						
F3107CV12⊕	/	3/8"		/			12	2,2		15	15						
F3107CV12⊕	/		1/2"	/			12	2,5		15	15						
F3107CV18⊕	/			3/4"	/		18	5,5		13	13						
F3107CV25⊕	/				1"	/	25	10,2		10	10						
F3107CV30⊕	/					1" 1/4	30	15		10	10						

G connection	1/4" Ø10	3/8" Ø10	3/8" Ø12	1/2" Ø12	3/4"	1"	1" 1/4 Ø30
a	49	49	59	59	79	96	119
b	65	65	70	70	76	85	92
c	11	11	14	14	18	20	25
d	32	32	45	45	55	72	85
e	16						
f	22						
Weight (g)	230	240	420	390	650	1050	1700

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3107CV25⊕ => F3107FV25MI58:

2-way solenoid valve normally closed, servo-assisted diaphragm with G connection (ISO 228) 1", FPM seals, 25 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- Brass body and cover
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

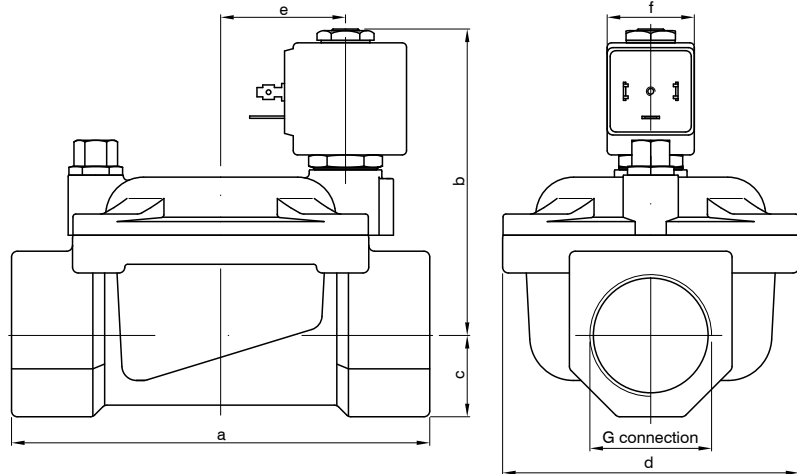
OPTIONS (on request):

- Manual override
- Chemical nickel plating surface treatment
- Version with slowed commutation
- Version for vacuum (air/gas)
- For use with oxygen
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- certified solenoid coils

Technical characteristics

Maximum admitted pressure (bar)	25
Minimum differential pressure (bar)	0,15
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Preferably with solenoid coil upwards

F3107 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 1" 1/4 ... 3"



CODE "V"= FPM seals "B"= NBR seals	G connection (ISO 228) ⊙ = Connection					Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption			⊕= Solenoid coil		Temperature range (°C)	
	G	H	I	M	R			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series		Size
									AC	DC						
F3107⊙V37⊕	1" 1/4	/				37	18	0,15	10	10	20	15	10	MG	30	-10 ... +140
F3107⊙V37⊕	/	1" 1/2	/			37	21		10	10						
F3107⊙V50⊕	/		2"	/		50	36		10	10						
F3107⊙B75⊕	/			2" 1/2	/	75	75	0,3	5	5	20	15	10	MG	30	-10 ... +90
F3107⊕B75⊕	/				3"	75	84		5	5						

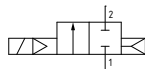
G connection	1" 1/4	1" 1/2	2"	2" 1/2	3"
a	142	142	158	226	226
b	105	105	115	134	134
c	28	28	35	51	51
d	102	102	119	169	169
e	21				
f	30				
Weight (g)	3000	2850	4300	1170	9900

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

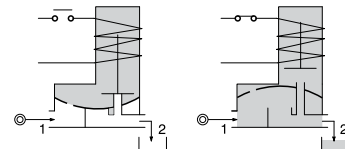
Example: F3107⊙V37⊙ => F3107GV37MG5:

2-way solenoid valve normally closed, servo-assisted diaphragm with G connection (ISO 228) 1" 1/4, FPM seals, 37 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

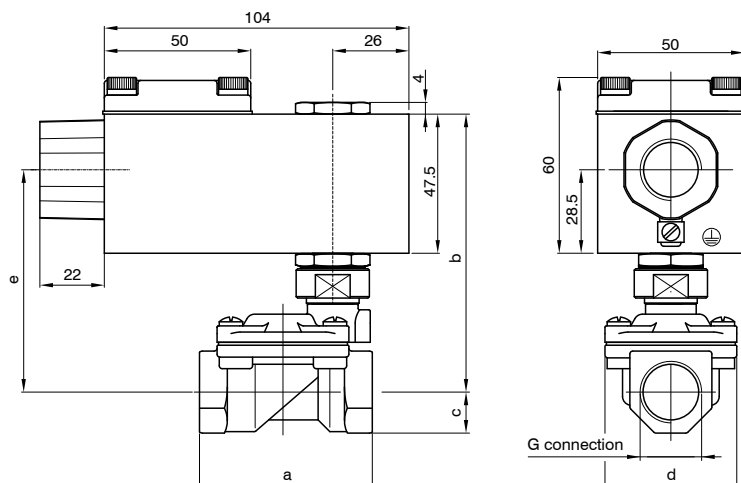
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies (NBR only for "M" and "R" versions) OPTIONS (on request): - Manual override - Chemical nickel plating - Version for vacuum (air/gas) - certified solenoid coils	Maximum admitted pressure (bar)	20
	Minimum differential pressure (bar)	0,15 ... 3
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Preferably with solenoid coil upwards

FX3107 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228)
 with certified housing: Ex d IIC T6 or T5 or T4 Gb - 1/4" ... 3"


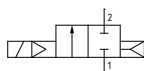
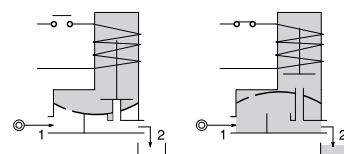
CODE “V”= FPM seals “B”= NBR seals	G connection (ISO 228) ⊕= Connection										Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption		⊕= Solenoid coil	Temperature range (°C)						
	B	C	D	E	F	G	H	I	M	R			Min	Max		AC Holding (VA)			DC (W)					
														AC	DC									
FX3107⊕V10⊕B	1/4"	/										10	1,5	0,15	15	15	12	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80				
FX3107⊕V10⊕B	/	3/8"	/										10		1,7	15					15			
FX3107⊕V12⊕B	/	3/8"	/										12		2,2	15					15			
FX3107⊕V12⊕B	/	1/2"	/										12		2,5	15					15			
FX3107⊕V18⊕B	/	3/4"	/										18		5,5	13					13			
FX3107⊕V25⊕B	/		1"	/											25	10,2					10	10		
FX3107⊕V30⊕B	/			1" 1/4	/										30	15					10	10		
FX3107⊕V37⊕B	/			1" 1/4	/										37	18					10	10		
FX3107⊕V37⊕B	/				1" 1/2	/										37					21	10	10	
FX3107⊕V50⊕B	/					2"	/														50	36	10	10
FX3107⊕B75⊕B	/						2" 1/2	/			75	75	0,3	5	5									
FX3107⊕B75⊕B	/							3"	/		75	84		5	5									

G connection	1/4" Ø10	3/8" Ø10	3/8" Ø12	1/2" Ø12	3/4"	1"	1" 1/4 Ø30	1" 1/4	1" 1/2	2"	2" 1/2	3"
a	49	49	59	59	79	96	119	142	142	158	226	226
b	90	90	95	95	101	110	118	110	110	119	138	138
c	11	11	14	14	18	20	25	28	28	35	51	51
d	32	32	45	45	54	72	85	102	102	119	169	169
e	71	71	76	76	82	91	99	91	91	100	119	119
Weight (g)	720	720	920	920	1100	1500	2270	3330	3120	4720	10400	10000

N.B. The solenoid valve is suited for intercepting only fluids that are NOT potentially explosive.

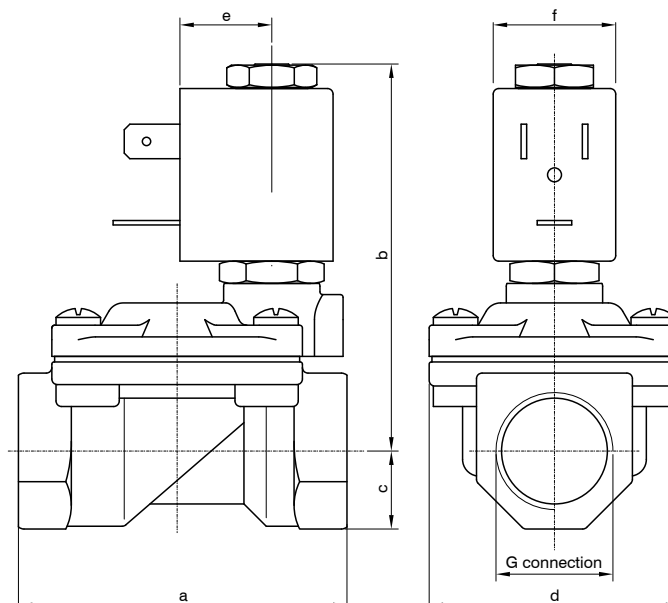
Example: FX3107CV10⊕ => FX3107BV10A60:

2-way solenoid valve normally closed, servo-assisted diaphragm with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 1/4", FPM seals, 10 mm orifice, solenoid coil 12 VDC (A60).

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- Brass body and cover - Red light alloy housing - 1/2" NPT electrical connection (M20x1,5 on request) - FPM sealing assemblies (NBR only for "M" and "R" versions)	Maximum admitted pressure (bar)	25
OPTIONS (on request): - Chemical nickel plating surface treatment - Version with slowed commutation	Minimum differential pressure (bar)	0,15 ... 0,3
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature (°C)	-40 ... +60
	Mounting position	Vertical with solenoid coil upwards

F3177 - 2-way solenoid valve N.C. stainless steel body and cover, with G connection (ISO 228) - 3/8" ... 1"



CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection				Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	C	D	E	F			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
F3177⊕V12⊕	3/8"		/		12	2,2	0,15	15	15	12	8	6,5	MI	22	-10 ... +140
F3177⊕V12⊕	/	1/2"	/		12	2,5		15	15						
F3177⊕V18⊕	/		3/4"	/	18	5,5		13	13						
F3177⊕V25⊕	/			1"	25	10,2		10	10						

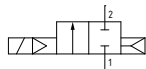
G connection	3/8"	1/2"	3/4"	1"
a	59	59	79	96
b	70	70	76	85
c	11	13	18	20
d	45	45	55	72
e	16			
f	22			
Weight (g)	300	320	550	950

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

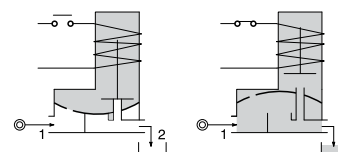
Example: F3177⊕V12⊕ => F3177CV12MI58:

2-way solenoid valve normally closed, servo-assisted diaphragm with G connection (ISO 228) 3/8", FPM seals, 12 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol



Diagram



Construction characteristics

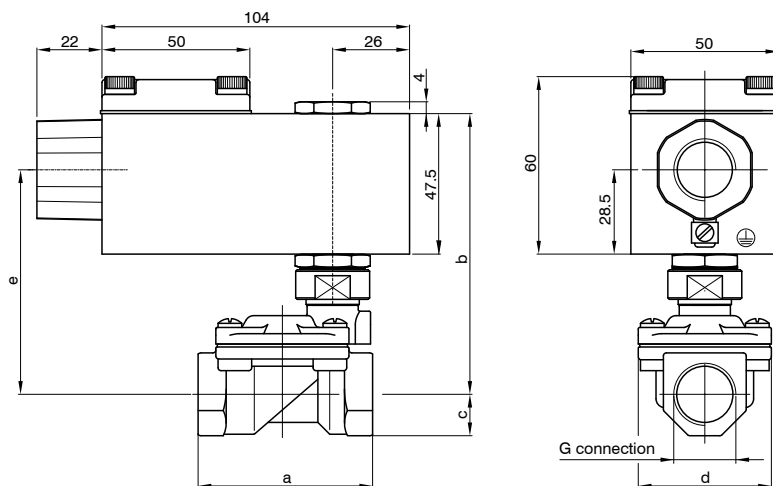
- AISI 316 stainless steel body and cover
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- FPM sealing assemblies

OPTIONS (on request):

- Manual override
- Seals for use with foodstuff fluids
- Version with slowed commutation
- Silver advance ring
- For use with oxygen
- XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC
- and IECEx certified solenoid coils

Technical characteristics

Maximum admitted pressure (bar)	25
Minimum differential pressure (bar)	0,15
Maximum fluid viscosity (mm²/s)	25cSt
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Preferably with solenoid coil upwards

FX3177 - 2-way solenoid valve N.C. stainless steel body and cover, with G connection (ISO 228)
 with certified housing: Ex d IIC T6 or T5 or T4 Gb - 3/8" ... 1"


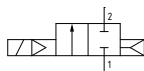
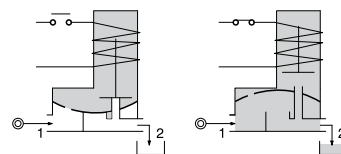
CODE "V"= FPM seals	G connection (ISO 228) ⊕= Connection				Orifice (mm)	KV (m³/h)	Differential pressure (bar)		AC Holding (VA)	DC (W)	⊕= Solenoid coil	Temperature range (°C)	
	C	D	E	F			Min	Max					
								AC					DC
FX3177⊕V121⊕	3/8"	/			12	2,2	0,15	15	15	12	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80
FX3177⊕V121⊕	/	1/2"	/		12	2,5		15	15				
FX3177⊕V181⊕	/	3/4"		/	18	5,5		13	13				
FX3177⊕V251⊕	/			1"	25	10,2		10	10				

G connection	3/8" Ø12	1/2" Ø12	3/4"	1"
a	59	59	79	96
b	95	95	101	110
c	14	14	18	20
d	45	45	54	72
e	76	76	82	91
Weight (g)	1120	1110	1100	1500

N.B. The solenoid valve is suited for intercepting only fluids that are NOT potentially explosive.

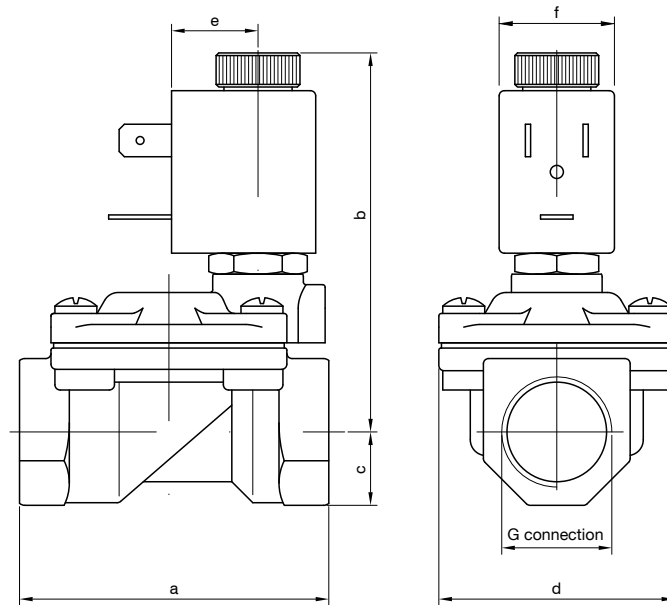
Example: FX3177⊕V12⊕ => FX3177CV12A60:

2-way solenoid valve normally closed, servo-assisted diaphragm with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 3/8", FPM seals, 12 mm orifice, solenoid coil 12 VDC (A60).

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- AISI 316 stainless steel body and cover - Red light alloy housing - 1/2" NPT electrical connection (M20x1,5 on request) - FPM sealing assemblies OPTIONS (on request): - Version with slowed commutation	Maximum admitted pressure (bar)	25
	Minimum differential pressure (bar)	0,15
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature (°C)	-40 ... +60
	Mounting position	Vertical with solenoid coil upwards

F3277 - 2-way solenoid valve N.O. stainless steel body and cover, with G connection (ISO 228) - 3/8" ... 1"



CODE "V" = FPM seals	G connection (ISO 228) ⊙ = Connection				Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊙ = Solenoid coil		Temperature range (°C)
	C	D	E	F			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
								AC	DC						
F3277⊙V12⊙	3/8"	/			12	2,2	0,15	15	15	12	8	6,5	MI	22	-10 ... +140
F3277⊙V12⊙	/	1/2"	/		12	2,5		15	15						
F3277⊙V18⊙	/	3/4"		/	18	5,5		13	13						
F3277⊙V25⊙	/			1"	25	10,2		10	10						

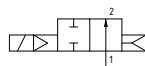
G connection	3/8"	1/2"	3/4"	1"
a	59	59	79	96
b	73	73	76	85
c	14	14	18	20
d	45	45	55	72
e	16			
f	22			
Weight (g)	300	320	550	950

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

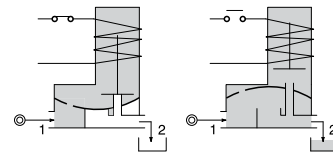
Example: F3277⊙V12⊙ => F3277CV12MI58:

2-way solenoid valve normally open, servo-assisted diaphragm, with G connection (ISO 228) 3/8", FPM seals, 12 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

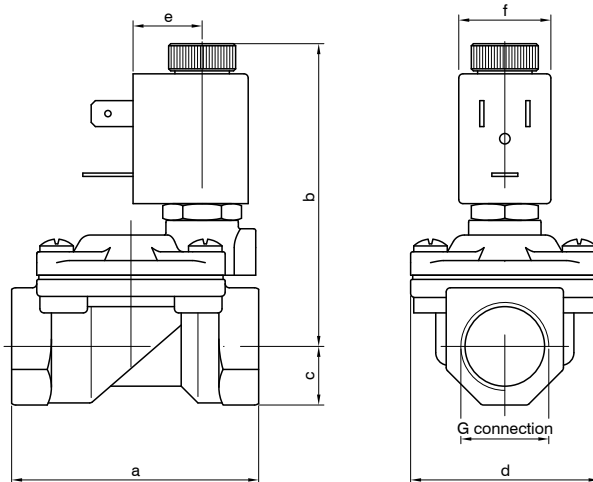
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- AISI 316 stainless steel body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - Seals for use with foodstuff fluids - Version with slowed commutation - Silver advance ring - For use with oxygen - XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC - certified solenoid coils	Maximum admitted pressure (bar)	25
	Minimum differential pressure (bar)	0,15
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Preferably with solenoid coil upwards

F3207 - 2-way solenoid valve N.O. brass body and cover, with G connection (ISO 228) - 1/4" ... 1" 1/4


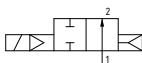
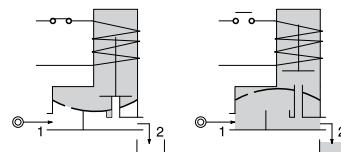
CODE "V"= FPM seals	G connection (ISO 228) ⊕= Connection						Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕= Solenoid coil		Temperature range (°C)	
	B	C	D	E	F	G			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
										AC	DC							
F3207⊕V10⊕	1/4"	/					10	1,5	0,15	15	15	12	8	6,5	MI	22	-10 ... +140	
F3207⊕V10⊕	/	3/8"	/				10	1,7		15	15							
F3207⊕V12⊕	/	3/8"	/				12	2,2		15	15							
F3207⊕V12⊕	/		1/2"	/				12		2,5	15							15
F3207⊕V18⊕	/			3/4"	/			18		5,5	13							13
F3207⊕V25⊕	/				1"	/	25	10,2		10	10							
F3207⊕V30⊕	/					1" 1/4	30	15		10	10							

G connection	1/4" Ø10	3/8" Ø10	3/8" Ø12	1/2" Ø12	3/4"	1"	1" 1/4 Ø30
a	49	49	59	59	79	96	119
b	65	65	73	73	76	85	96
c	11	11	14	14	18	20	25
d	32	32	45	45	55	72	85
e	16						
f	22						
Weight (g)	230	240	420	390	650	1050	1700

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

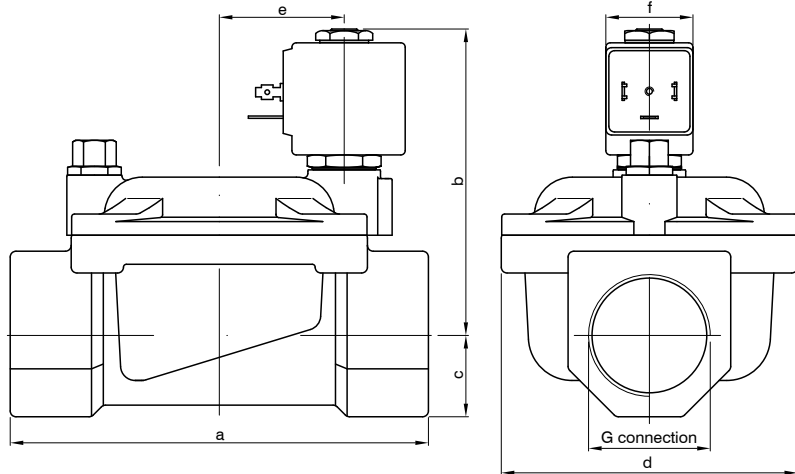
Example: F3207CV10⊕ => F3207CV10MI58:

2-way solenoid valve normally open, servo-assisted diaphragm, with G connection (ISO 228) 1/4", FPM seals, 10 mm orifice, solenoid coil 230 VAC (50-60 Hz) (MI58, size 22 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - Manual override - Chemical nickel plating surface treatment - XME solenoid coil for potentially explosive environments to ATEX standards - Ex mb IIC - certified solenoid coils	Maximum admitted pressure (bar)	25
	Minimum differential pressure (bar)	0,15
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Preferably with solenoid coil upwards

F3207 - 2-way solenoid valve N.O. brass body and cover, with G connection (ISO 228) - 1" 1/4 ... 3"



CODE "V" = FPM seals "B" = NBR seals	G connection (ISO 228) ⊙ = Connection					Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊙ = Solenoid coil		Temperature range (°C)
	G	H	I	M	R			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
F3207⊙V37⊙	1" 1/4		/			37	18	0,15	10	10	20	15	10	MG	30	-10 ... +140
F3207⊙V37⊙	/	1" 1/2	/			37	21		10	10						
F3207⊙V50⊙	/		2"	/		50	36		10	10						
F3207⊙B75⊙		/		2" 1/2	/	75	75	0,3	5	5	20	15	10	MG	30	-10 ... +90
F3207⊙B75⊙		/			3"	75	84		5	5						

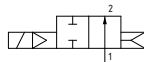
G connection	1" 1/4	1" 1/2	2"	2" 1/2	3"
a	142	142	158	226	226
b	105	105	115	134	134
c	28	28	35	51	51
d	102	102	119	169	169
e	21				
f	30				
Weight (g)	3000	2850	4300	1170	9900

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

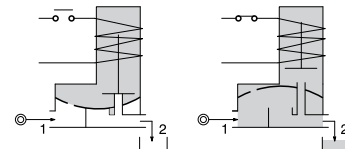
Example: F3107⊙V37⊙ => F3107GV37MG5:

2-way solenoid valve normally closed, servo-assisted diaphragm with G connection (ISO 228) 1" 1/4, FPM seals, 37 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

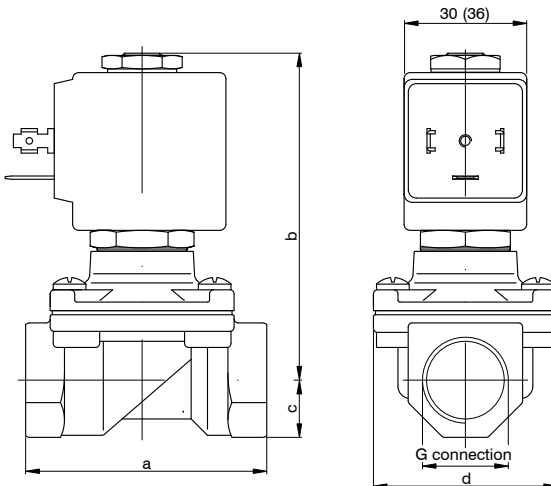
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies (NBR only for "M" and "R" versions) OPTIONS (on request): - Manual override - Chemical nickel plating - Version for vacuum (air/gas) - certified solenoid coils	Maximum admitted pressure (bar)	20
	Minimum differential pressure (bar)	0,15 ... 3
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Preferably with solenoid coil upwards

F3108 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 3/8" ... 1"


The data in brackets refer to the MK Series coil

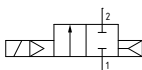
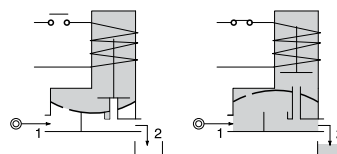
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection				Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption			⊕ = Solenoid coil		Temperature range (°C)	
	C	D	E	F			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series		Size
								AC	DC						
F3108⊕V12⊕	3/8"	/			12	2	0	10	/	20	15	/	MG/AC	30	-10 ... +140
F3108⊕V12⊕	/	1/2"	/		12	2,2		10	/						
F3108⊕V12⊕	3/8"	/			12	2		12	10	40	30	27	MK (AC/DC)	36	
F3108⊕V12⊕	/	1/2"	/		12	2,2		12	10						
F3108⊕V18⊕	/		3/4"	/	18	4,5		9	/	40	30	/	MK/DC		
F3108⊕V25⊕	/		1"		25	8,5		7	/						
F3108⊕V18C⊕	/	3/4"		/	18	4,5		/	9	/	/	27	MK/DC		
F3108⊕V25C⊕	/			1"	25	8,5		/	8						

G connection		3/8"	1/2"	3/4"	1"
a		59	59	79	96
b		83	83	90	101
c		14	14	18	20
d		45	45	55	72
Weight (g)	MG	520	490	/	/
	MK	600	570	810	1220

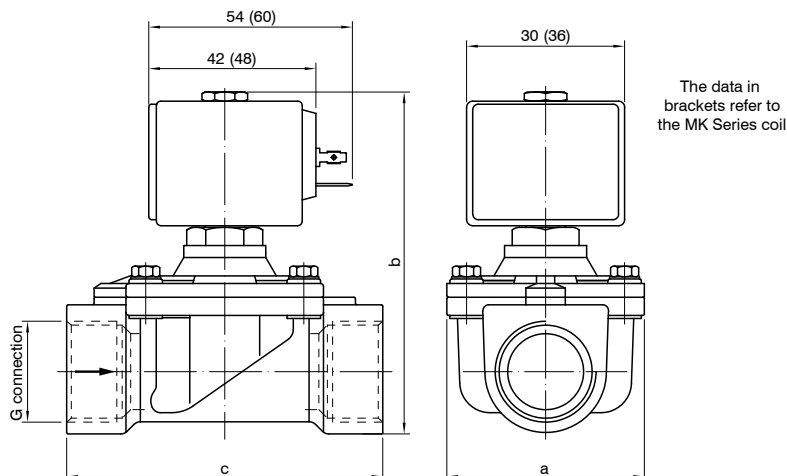
N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3108CV12B => F3108CV12MG5:

2-way solenoid valve normally closed, with assisted-lift diaphragm with G connection (ISO 228) 3/8", FPM seals, 12 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies OPTIONS (on request): - Chemical nickel plating - certified solenoid coils	Maximum admitted pressure (bar)	25
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
	Mounting position	Preferably with solenoid coil upwards


F3168 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 3/8" ... 1" 1/2


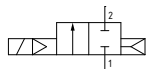
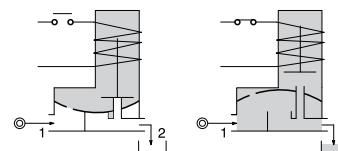
CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection						Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption		⊕= Solenoid coil		Temperature range (°C)
	C	D	E	F	G	H			Min	Max		(W)	Series	Size		
										AC	DC					
F3168ⓈV11Ⓢ	3/8"	/					11	1,2	0	14	5	10	MG	30	-10 ... +140	
								/		14	27	MK	36			
F3168ⓈV16Ⓢ	/	1/2"	/				16	2,4		14	2,5	10	MG	30		
								/		14	27	MK	36			
F3168ⓈV16Ⓢ	/		3/4"	/			16	2,4		14	2,5	10	MG	30		
								/		14	27	MK	36			
F3168ⓈV20HⓈ	/		3/4"	/			20	7,2		16	5	10	MG	30		
								/		16	27	MK	36			
F3168ⓈV25Ⓢ	/			1"	/		25	7,2		8	/	10	MG	30		
										14	1,5	14	MK	36		
										/	6	27	MK	36		
F3168ⓈV25HⓈ	/			1"	/		25	8,4		16	5	10	MG	30		
										/	16	27	MK	36		
F3168ⓈV35Ⓢ	/				1" 1/4	/	35	16,2		16	/	10	MG	30		
										/	6	14	MK	36		
										/	16	27	MK	36		
F3168ⓈV40Ⓢ	/					1" 1/2	40	16,8		16	/	10	MG	30		
										/	6	14	MK	36		
										/	16	27	MK	36		

G connection	3/8"	1/2"	3/4"	3/4" (H)	1"	1" (H)	1" 1/4	1" 1/2
a	50	50	50	65	65	65	94	94
b	89	100	100	103	112	110	130	130
c	56	70	70	104	104	104	128	128

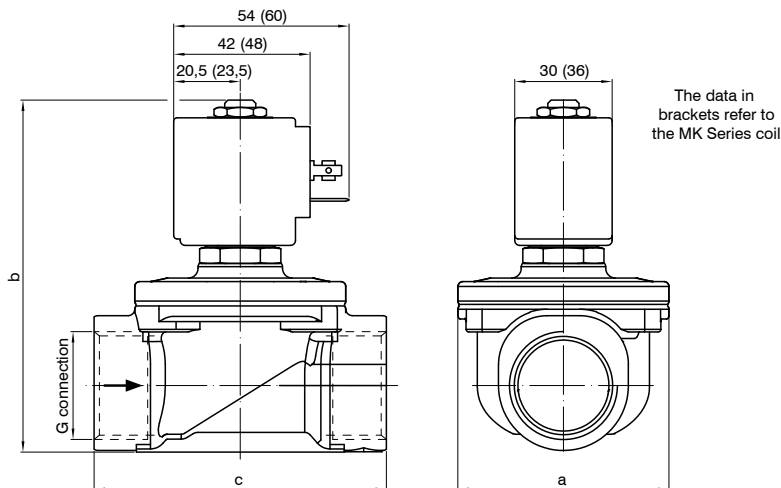
N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3168CV11 ⇒ F3168CV11MG5:

2-way solenoid valve normally closed, with assisted-lift diaphragm with G connection (ISO 228) 3/8", FPM seals, 11 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - FPM sealing assemblies (NBR on request) OPTIONS (on request): - NPT connections - ATEX Ex d explosion protection solenoid coil - For use with oxygen - certified solenoid coils	Maximum admitted pressure (bar)	16
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
	Mounting position	Preferably with solenoid coil upwards

F3178 - 2-way solenoid valve N.C. stainless steel body and cover, with G connection (ISO 228) - 3/8" ... 1" 1/2


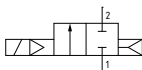
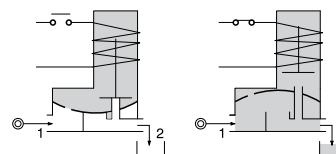
CODE “V”= FPM seals	G connection (ISO 228) ⊕= Connection						Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption		⊕= Solenoid coil		Temperature range (°C)
	C	D	E	F	G	H			Min	Max		(W)	Series	Size		
										AC	DC					
F3178⊕V15⊕	3/8"	/					15	2,4	0	14	6	10	MG	30	-10 ... +140	
F3178⊕V16⊕	/	1/2"	/				16	3		/	14	27	MK	36		
										14	6	10	MG	30		
F3178⊕V20⊕	/	3/4"	/				20	3,6		/	14	27	MK	36		
										14	6	10	MG	30		
F3178⊕V25⊕	/	1"	/				25	8,4		/	14	27	MK	36		
										14	3	10	MG	30		
										/	8	14	MK	36		
										/	14	27	MK	36		
F3178⊕V35⊕	/	1" 1/4		/		35	18	8		/	10	MG	30			
								14		2	14	MK	36			
								/		7	27	MK	36			
F3178⊕V40⊕	/					1" 1/2	40	19,2	8	/	10	MG	30			
									14	2	14	MK	36			
									/	7	27	MK	36			

G connection	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2
a	52	52	58	65	94	94
b	92	92	100	109	126	126
c	68	68	75	90	128	128

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

Example: F3178CV15B => F3178CV15MG5:

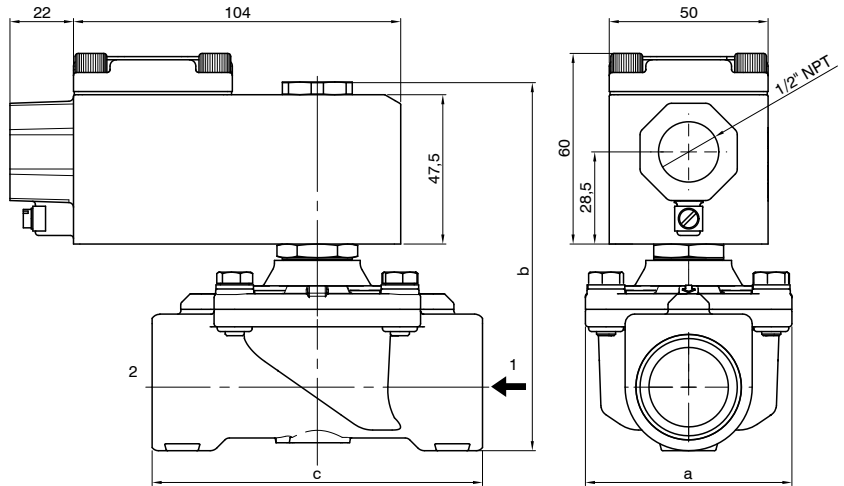
2-way solenoid valve normally closed, with assisted-lift diaphragm with G connection (ISO 228) 3/8", FPM seals, 15 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- AISI 316 stainless steel body and cover - AISI 316 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - Silver advance ring - FPM sealing assemblies (NBR on request)	Maximum admitted pressure (bar)	16
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
	Mounting position	Preferably with solenoid coil upwards
OPTIONS (on request): - NPT connections - ATEX Ex d explosion protection solenoid coil - For use with oxygen - us certified solenoid coils		



**FX3168 - 2-way solenoid valve N.C. brass body, with G connection (ISO 228)
with certified housing: Ex d IIC T6 or T5 or T4 Gb - 3/8" ... 1"**



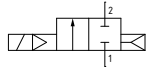
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection				Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption	⊕ = Solenoid coil	Temperature range (°C)	
	C	D	E	F			Min	Max				
								AC	DC			(W)
FX3168⊕V11⊕	3/8"	/			11	1,2	0	5	5	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80
FX3168⊕V16⊕	/	1/2"	/		16	2,4		5	5			
FX3168⊕V16⊕	/		3/4"	/	16	2,4		5	5			
FX3168⊕V20H⊕	/		3/4"	/	20	7,2		5	5			
FX3168⊕V25H⊕	/			1"	25	8,4		5	5			

G connection	3/8"	1/2"	3/4"	3/4" (H)	1" (H)
a	50	50	50	65	65
b	95	106	106	109	116
c	56	70	70	104	104

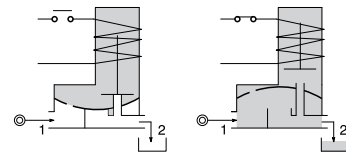
Example: FX3168CV11Θ => FX3168CV11A60:

2-way solenoid valve normally closed, with assisted-lift diaphragm with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 3/8", FPM seals, 11 mm orifice, solenoid coil 12 VDC (A60).

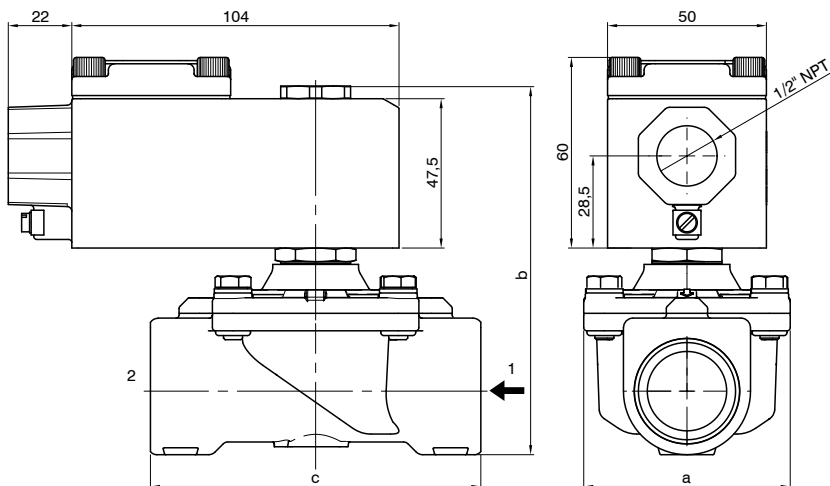
Pneumatic symbol



Diagram



Construction characteristics	Technical characteristics	
- Brass body - Red light alloy housing - 1/2" NPT electrical connection (M20x1,5 on request) - FPM sealing assemblies	Maximum admitted pressure (bar)	16
	Minimum differential pressure (bar)	0
	Maximum fluid viscosity (mm²/s)	25cSt
	Ambient temperature (°C)	-40 ... +60
	Mounting position	Vertical with solenoid coil upwards

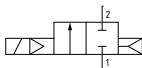
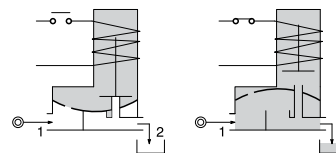
FX3178 - 2-way solenoid valve N.C. stainless steel body, with G connection (ISO 228)
 with certified housing: Ex d IIC T6 or T5 or T4 Gb - 3/8" ... 1"


CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection				Orifice (mm)	KV (m³/h)	Differential pressure (bar)		Power consumption	⊕ = Solenoid coil	Temperatur range (°C)	
	C	D	E	F			Min	Max				
								AC	DC			(W)
FX3178ⓈV15Ⓢ	3/8"	/			15	2,4	0	6	6	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80
FX3178ⓈV16Ⓢ	/	1/2"	/		16	3		6	6			
FX3178ⓈV20Ⓢ	/		3/4"	/	20	3,6		6	6			
FX3178ⓈV25Ⓢ	/			1"	25	8,4		3	3			

G connection	3/8"	1/2"	3/4"	1"
a	52	52	58	65
b	98	98	106	115
c	68	68	75	90

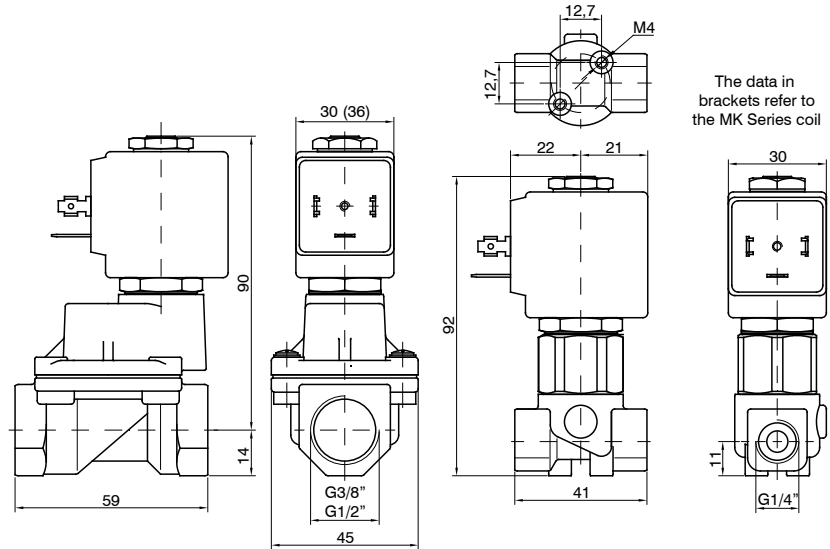
Example: FX3178CV15B => FX3178CV15A60:

2-way solenoid valve normally closed, with assisted-lift diaphragm with certified housing: Ex d IIC T6 or T5 or T4 Gb, with G connection (ISO 228) 3/8", FPM seals, 15 mm orifice, solenoid coil 12 VDC (A60).

Pneumatic symbol

Diagram


Construction characteristics	Technical characteristics	
- AISI 316 stainless steel body - Red light alloy housing - 1/2" NPT electrical connection (M20x1,5 on request) - FPM sealing assemblies OPTIONS (on request): - Solenoid coil with stainless steel housing	Maximum admitted pressure (bar)	16
	Minimum differential pressure (bar)	0
	Maximum fluid viscosity (mm ² /s)	25cSt
	Ambient temperature (°C)	-40 ... +60
	Mounting position	Vertical with solenoid coil upwards

F3119 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 1/4" ... 1/2"



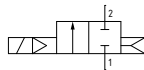
CODE "V" = FPM seals	G connection (ISO 228) ⊕ = Connection			Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	B	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
							AC	DC						
F3119⊕V52⊕	1/4"	/		5,2	0,47	1,5	50	50	20	15	10	MG	30	-10 ... +140
F3119⊕V12⊕	/	3/8"	/	12	2	1	30	30						
F3119⊕V12⊕	/		1/2"	12	2,2	1	30	30						
F3119⊕V12/1⊕	/	3/8"	/	12	2	1	50	50	40	30	27	MK	36	
F3119⊕V12/1⊕	/		1/2"	12	2,2	1	50	50						

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).

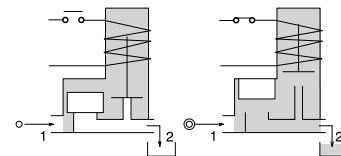
Example: F3119⊕V52⊕ => F3119BV52MG5:

2-way solenoid valve normally closed, servo-assisted piston with G connection (ISO 228) 1/4", main seals in PTFE other in FPM, 5,2 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

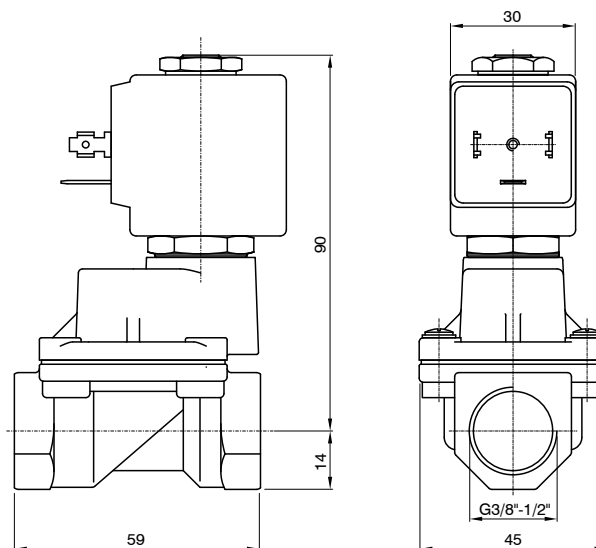
Pneumatic symbol



Diagram



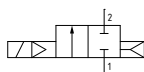
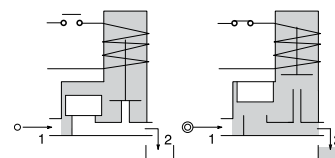
Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - Brass piston - PTFE piston seal - Sealing assemblies mainly PTFE, others FPM OPTIONS (on request): - Chemical nickel plating - certified solenoid coils	Maximum admitted pressure (bar)	60
	Maximum fluid viscosity (mm²/s)	25cSt
	Minimum differential pressure (bar)	1
	Maximum admitted leakage (Nl/h)	<0,2
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
	Mounting position	Preferably with solenoid coil upwards
	Weight (g) with solenoid coil MG series	630
	Weight (g) with solenoid coil MK series	710

F3119W - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 3/8" and 1/2"


CODE "W" = PTFE seals	G connection (ISO 228) ⊕ = Connection		Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	C	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
						AC	DC						
F3119⊕W12/1⊕	3/8"	/	12	2	2,5	10	10	20	15	10	MG	30	-10 ... +180
F3119⊕W12/1⊕	/	1/2"	12	2,2	2,5	10	10						

Example: F3119CW12/1⊕ => F3119CW12/1MG5:

2-way solenoid valve normally closed, servo-assisted piston for use with steam with G connection (ISO 228) 3/8", PTFE seals, 12 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- Brass body and cover
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- AISI 303 stainless steel piston
- PTFE piston seal
- PTFE sealing assemblies

OPTIONS (on request):

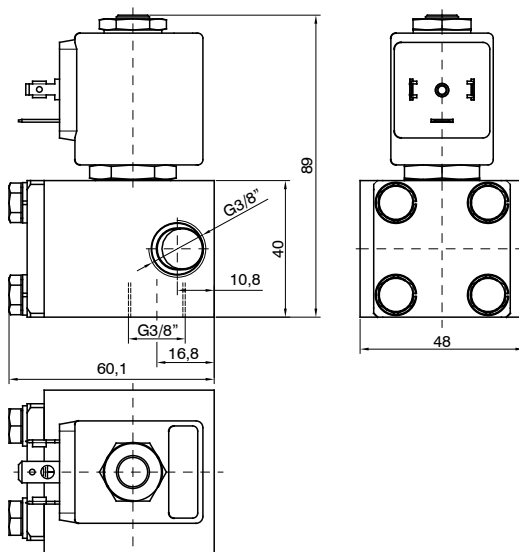
- Chemical nickel plating surface treatment
- certified solenoid coils

Technical characteristics

Minimum differential pressure (bar)	2,5
Maximum admitted leakage (Nl/h)	<0,2
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Preferably with solenoid coil upwards
Weight (g)	630



F3123 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 3/8"

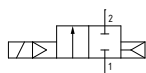


CODE "W" = PTFE seals	G connection (ISO 228) ⊕ = Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	Min			Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size		
				AC	DC							
F3123⊙W07⊕	3/8"	7	14	0,7	100 150	80 150	20 40	15 30	10 27	MG MK	30 36	-10 ... +95

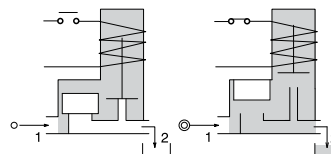
Example: F3123⊕W07⊕ => F3123CW07MG5:

2-way solenoid valve normally closed, servo-assisted piston with G connection (ISO 228) 3/8", main seals in PTFE other in FPM, 7 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol



Diagram



Construction characteristics

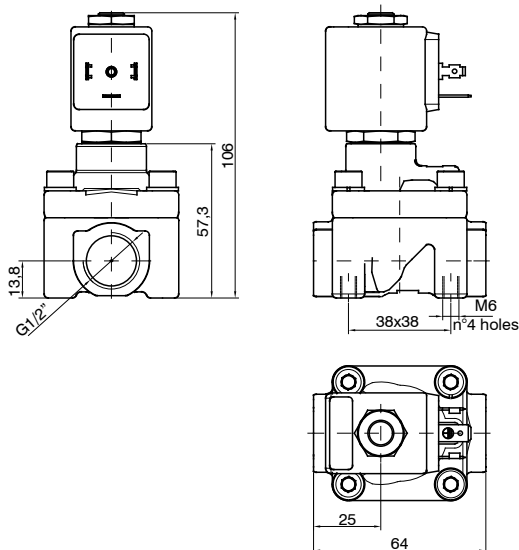
- Brass body and cover
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- AISI 303 stainless steel piston
- Sealing assemblies mainly PTFE, others FPM

OPTIONS (on request):

- Chemical nickel plating
- certified solenoid coils

Technical characteristics

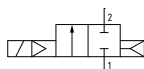
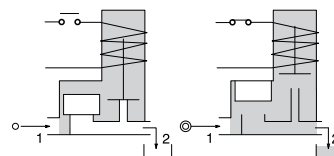
Maximum admitted pressure (bar)	200
Maximum fluid viscosity (mm²/s)	12cSt
Minimum differential pressure (bar)	0,7
Maximum admitted leakage (Nl/h)	<0,2
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Ambient temperature: with class H solenoid coil (°C)	-10 ... +80
Mounting position	Preferably with solenoid coil upwards

F3124 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 1/2"


CODE "W" = PTFE seals	G connection (ISO 228) ⊕ = Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊕ = Solenoid coil		Temperature range (°C)
	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
					AC	DC						
F3124⊕W12⊕	1/2"	12	60	3	100	100	20	15	10	MG	30	-10 ... +95

Example: F3124⊕W12⊕ => F3124DW12MG5:

2-way solenoid valve normally closed, servo-assisted piston with G connection (ISO 228) 1/2", main seals in PTFE other in FPM, 12 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol

Diagram

Construction characteristics

- Brass body and cover
- AISI 303 stainless steel guide tube
- AISI 430FR stainless steel mobile and fixed core
- AISI 302 stainless steel springs
- PBT piston
- Sealing assemblies mainly PTFE, others FPM

OPTIONS (on request):

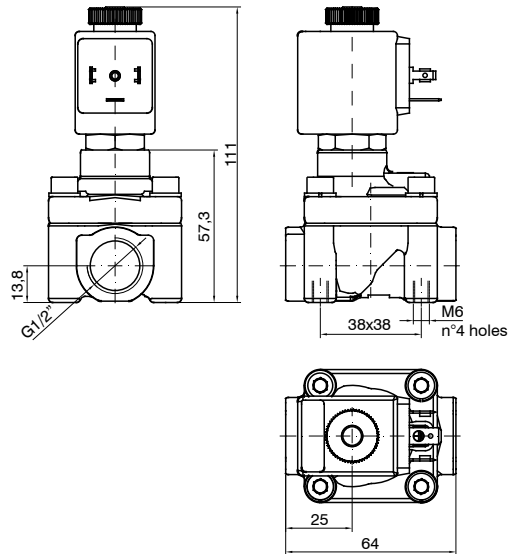
- Chemical nickel plating
- UL certified solenoid coils

Technical characteristics

Maximum admitted pressure (bar)	150
Maximum fluid viscosity (mm²/s)	12cSt
Minimum differential pressure (bar)	3
Maximum admitted leakage (Nl/h)	<0,2
Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
Mounting position	Preferably with solenoid coil upwards



F3224 - 2-way solenoid valve N.O. brass body and cover, with G connection (ISO 228) - 1/2"

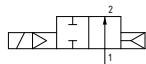


CODE "W" = PTFE seals	G connection (ISO 228) ⊙ = Connection	Orifice (mm)	KV (m³/h)	Differential pressure (bar)			Power consumption			⊗ = Solenoid coil		Temperature range (°C)
	D			Min	Max		AC Inrush (VA)	AC Holding (VA)	DC (W)	Series	Size	
F3224⊙W12⊗	1/2"	12	60	3	50	50	20	15	10	MG	30	-10 ... +95

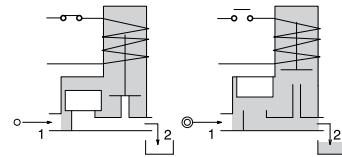
Example: F3224⊙W12⊗ => F3224DW12MG5:

2-way solenoid valve normally open, servo-assisted piston with G connection (ISO 228) 1/2", main seals in PTFE other in FPM, 12 mm orifice, solenoid coil 24 VDC (MG5, size 30 for more information, please refer to the section "Solenoid coils - Series F300").

Pneumatic symbol



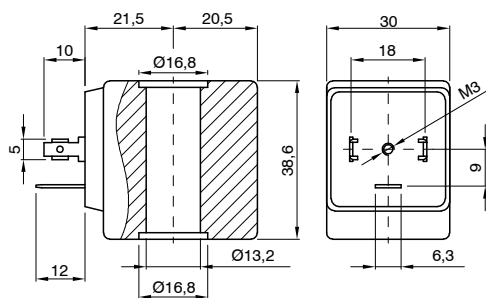
Diagram



Construction characteristics	Technical characteristics	
- Brass body and cover - AISI 303 stainless steel guide tube - AISI 430FR stainless steel mobile and fixed core - AISI 302 stainless steel springs - PBT piston - Sealing assemblies mainly PTFE, others FPM OPTIONS (on request): - Chemical nickel plating - certified solenoid coils	Maximum admitted pressure (bar)	100
	Maximum fluid viscosity (mm²/s)	12cSt
	Minimum differential pressure (bar)	3
	Maximum admitted leakage (Nl/h)	<0,2
	Ambient temperature: with class F solenoid coil (°C)	-10 ... +55
	Mounting position	Preferably with solenoid coil upwards

Solenoid coil 30 mm Ø13, type MG


- Options:**
- Electrical connection via cables
 - Special voltages and powers
 - Self-extinguish


Ordering code
MG

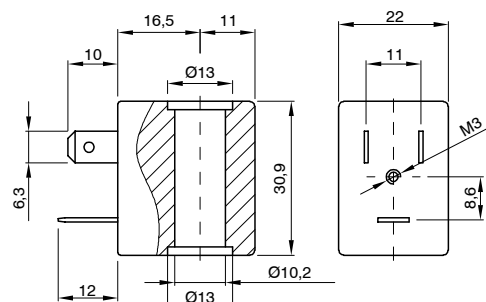
VOLTAGE	
4 =	12 VDC
5 =	24 VDC
56 =	24 VAC (50-60 Hz)
57 =	110 VAC (50-60 Hz)
58 =	230 VAC (50-60 Hz)


Operational characteristics

Class of insulation	Tolerance on AC voltage	Tolerance on DC voltage	IP Rating with connector	Continuous service	Electrical connection	Connector	Power		Weight (g)
							AC (VA)	DC (W)	
F	-10% ... +15%	±10%	IP65	ED100%	DIN 43650 A	Code: 300.11.00	15	10	120

Solenoid coil 22 mm Ø10, type MI


- Options:**
- Electrical connection via cables
 - Special voltages and powers
 - Self-extinguish


Ordering code
MI

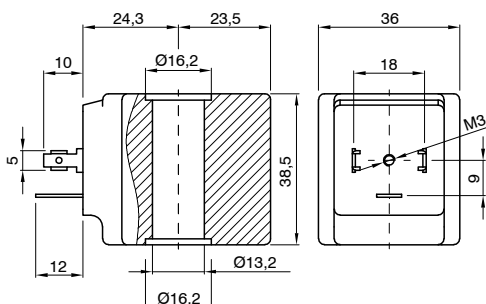
VOLTAGE	
4 =	12 VDC
5 =	24 VDC
21 =	48-50 VAC (50-60 Hz)
56 =	24 VAC (50-60 Hz)
57 =	110 VAC (50-60 Hz)
58 =	230 VAC (50-60 Hz)


Operational characteristics

Class of insulation	Tolerance on AC voltage	Tolerance on DC voltage	IP Rating with connector	Continuous service	Electrical connection	Connector	Power		Weight (g)
							AC (VA)	DC (W)	
F	-10% ... +15%	±10%	IP65	ED100%	DIN 43650 B	Code: 305.11.00	8	6.5	50

Solenoid coil 36 mm Ø13, type MK


- Options:**
- Electrical connection via cables
 - Special voltages and powers
 - Self-extinguish


Ordering code
MK

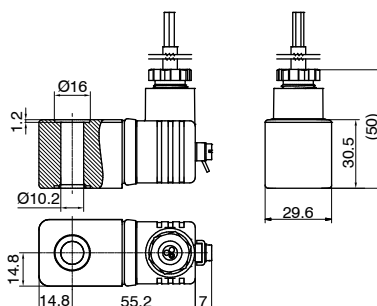
VOLTAGE	
4 =	12 VDC
5 =	24 VDC
56 =	24 VAC (50-60 Hz)
57 =	110 VAC (50-60 Hz)
58 =	230 VAC (50-60 Hz)


Operational characteristics

Class of insulation	Tolerance on AC voltage	Tolerance on DC voltage	IP Rating with connector	Continuous service	Electrical connection	Connector	Power		Weight (g)
							AC (VA)	DC (W)	
H	-10% ... +15%	±10%	IP65	ED100%	DIN 43650 A	Code: 300.11.00	30	27	200

Solenoid coil 30 mm Ø10, type XME


CE II 2G Ex mb IIC T6...T4 Gb
 CE II 2D Ex mb IIIC T85°C...T135°C Db


Ordering code
XME-3

VOLTAGE	
5 =	24 VDC
56 =	24 VAC (50-60 Hz)
57 =	110 VAC (50-60 Hz)
58 =	230 VAC (50-60 Hz)


Operational characteristics

Class of insulation	Tolerance on AC voltage	Tolerance on DC voltage	IP Rating with connector	Continuous service	Electrical connection	Power		Weight (g)
						AC (VA)	DC (W)	
H	-10% ... +15%	±10%	IP65	ED100%	3 m cable	5.3	5.4	325