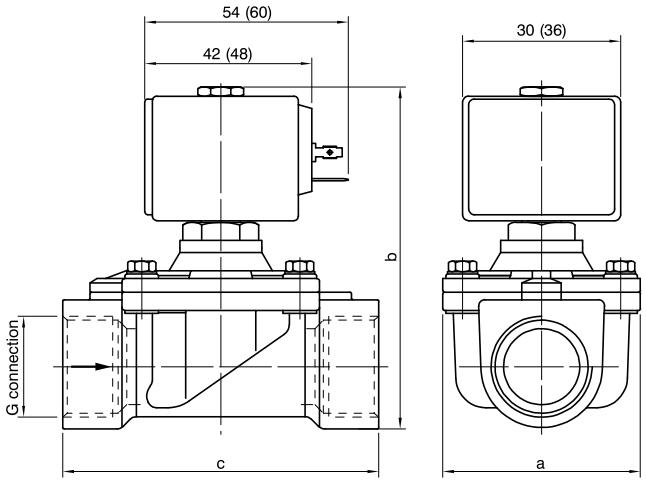
F3168 - 2-way solenoid valve N.C. brass body and cover, with G connection (ISO 228) - 3/8" ... 1" 1/2



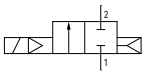
The data in brackets refer to the MK Series coil

CODE "V"= FPM seals	G connection (ISO 228) C= Connection						Orifice (mm)	KV (m^3/h)	Differential pressure (bar)			Power consumption	B= Solenoid coil		Temperature range (°C)
	C	D	E	F	G	H			Min	Max AC	Max DC	(W)	Series	Size	
F3168CV11B	3/8"	/					11	1,2	0	14	5	10	MG	30	-10 ... +140
										/	14	27	MK	36	
F3168CV16B	/	1/2"					16	2,4		14	2,5	10	MG	30	
										/	14	27	MK	36	
F3168CV16B	/		3/4"				16	2,4		14	2,5	10	MG	30	
										/	14	27	MK	36	
F3168CV20HB	/		3/4"				20	7,2		16	5	10	MG	30	
										/	16	27	MK	36	
F3168CV25B	/			1"			25	7,2		8	/	10	MG	30	
										14	1,5	14	MK	36	
										/	6	27	MK	36	
F3168CV25HB	/			1"			25	8,4		16	5	10	MG	30	
										/	16	27	MK	36	
F3168CV35B	/				1" 1/4	/	35	16,2		16	/	10	MG	30	
										/	6	14	MK	36	
										/	16	27	MK	36	
F3168CV40B	/					1" 1/2	40	16,8		16	/	10	MG	30	
										/	6	14	MK	36	
										/	16	27	MK	36	

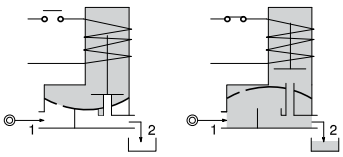
G connection	3/8"	1/2"	3/4"	3/4" (H)	1"	1" (H)	1" 1/4	1" 1/2
a	50	50	50	65	65	65	94	94
b	89	100	100	103	112	110	130	130
c	56	70	70	104	104	104	128	128

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).
Example: F3168CV11B => 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



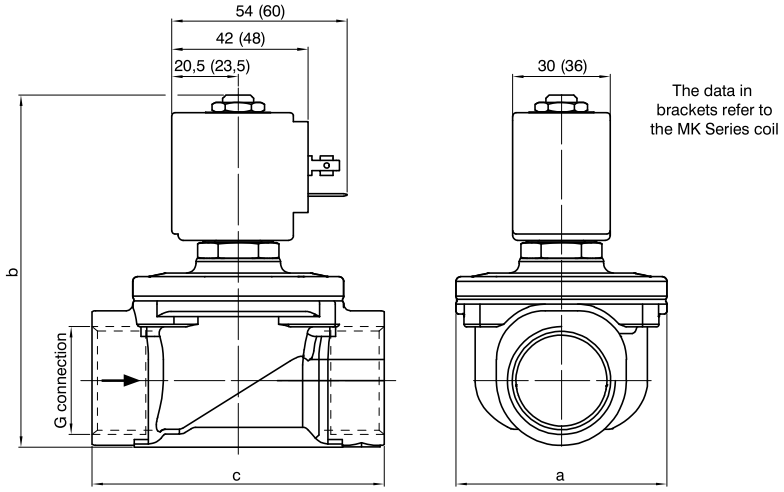
Diagram



Construction characteristics
- 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 - cULus certified solenoid coils

Technical characteristics	
Maximum admitted pressure (bar)	16
Maximum fluid viscosity (mm^2/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



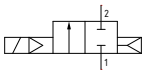
The data in brackets refer to the MK Series coil

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

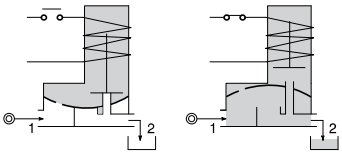
G connection	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2
a	52	52	58	65	94	94
b	92	92	100	109	126	126
c	68	68	75	90	128	128

N.B. For use with steam maximum admitted pressure PS is 2,5 bar (relative pressure).
Example: F3178ⓒV15Ⓑ => 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



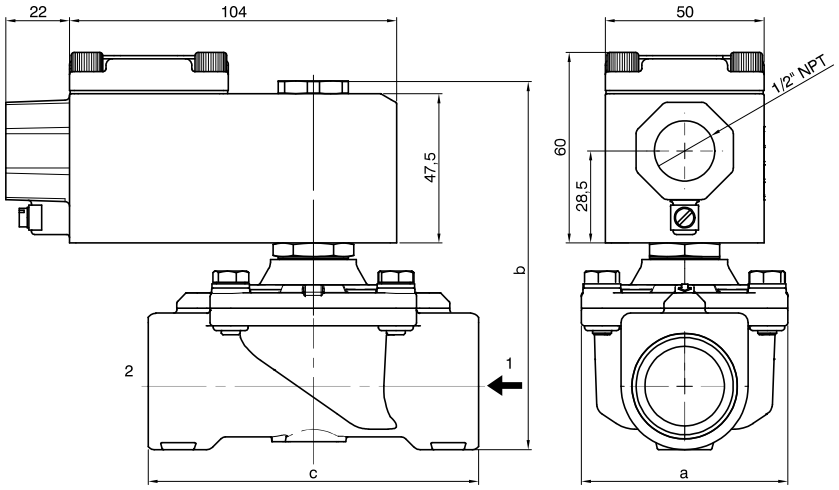
Diagram



Construction characteristics
- 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) **OPTIONS (on request):** - NPT connections - ATEX Ex d explosion protection solenoid coil - For use with oxygen - c UL us certified solenoid coils

Technical characteristics	
Maximum admitted pressure (bar)	16
Maximum fluid viscosity (mm^2/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

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"

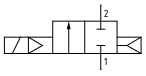


CODE "V"= FPM seals	G connection (ISO 228) ⓒ= Connection				Orifice (mm)	KV (m^3/h)	Differential pressure (bar)			Power consumption	Ⓑ= Solenoid coil	Temperature range (°C)
	C	D	E	F			Min	Max AC	Max DC	(W)		
FX3168ⓒV11Ⓑ	3/8"	/			11	1,2	0	5	5	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) 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			

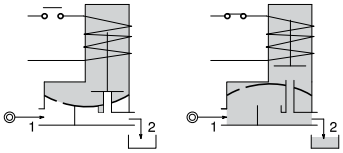
G connection	3/8"	1/2"	3/4"	3/4" (H)	1" (H)
a	50	50	50	65	65
b	95	106	106	109	116
c	56	70	70	104	104

Example: FX3168ⓒV11Ⓑ => 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



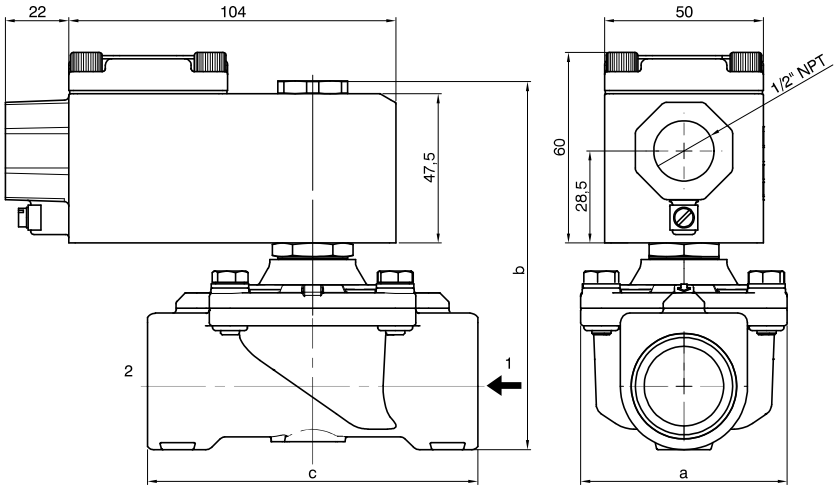
Diagram



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

Technical characteristics	
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

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"

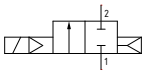


CODE "V"= FPM seals	G connection (ISO 228) ❶= Connection				Orifice (mm)	KV (m^3/h)	Differential pressure (bar)			Power consumption	❷= Solenoid coil	Temperature range (°C)
	C	D	E	F			Min	Max AC	Max DC	(W)		
FX3178❶V15❷	3/8"	/			15	2,4	0	6	6	8	A6B= 24 Volt (AC 50-60 Hz) A6E= 220/230 Volt (AC 50-60 Hz) A60= 12 Volt (DC) A61= 24 Volt (DC)	-10 ... +80
FX3178❶V16❷	/	1/2"	/		16	3		6	6			
FX3178❶V20❷	/		3/4"	/	20	3,6		6	6			
FX3178❶V25❷	/			1"	25	8,4		3	3			

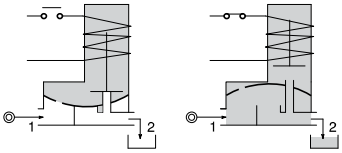
G connection	3/8"	1/2"	3/4"	1"
a	52	52	58	65
b	98	98	106	115
c	68	68	75	90

Example: FX3178❶V15❷ => 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
- 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

Technical characteristics	
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