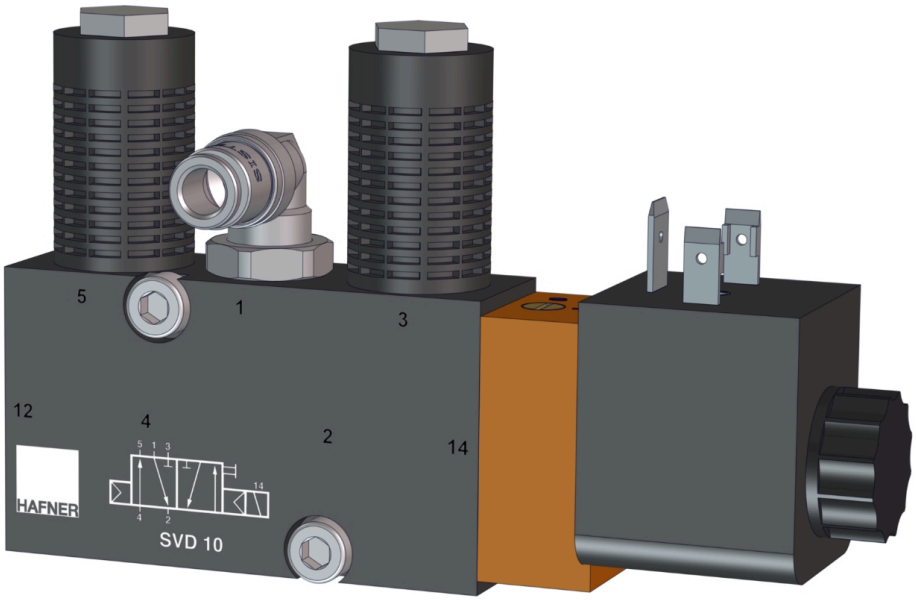
Technical data sheet

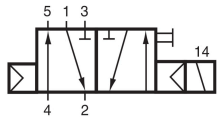
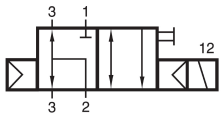
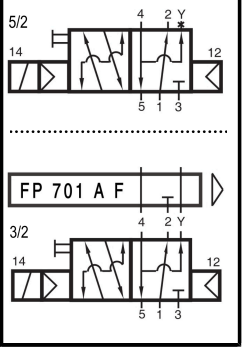
Solenoid valve SVD, SVS, SVF

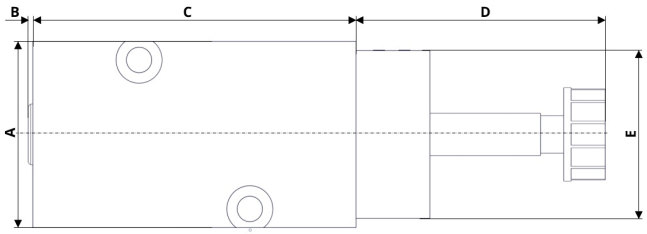


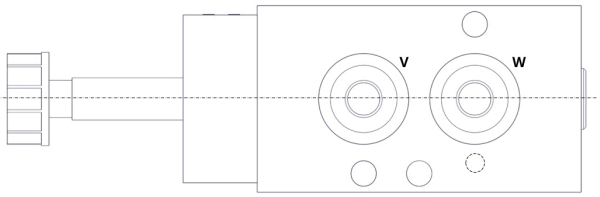
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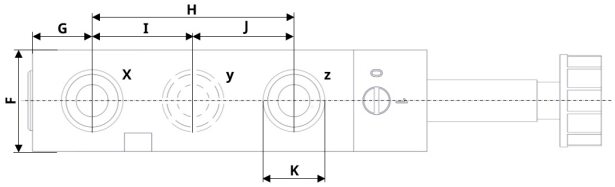
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Version 1.0 from 18/11/2025

Dimension sheet

Model	Description	
SVD	5/2-way solenoid valve, monostable. Interface in accordance with standard ¼"-NAMUR.	
SVS	3/2-way solenoid valve, monostable. Interface in accordance with standard ¼"-NAMUR, with exhaust air recirculation.	
SVF	5/2-way solenoid valve, monostable. Interface in accordance with standard ¼"-NAMUR. The valve is converted into a 3/2-way NAMUR valve with exhaust air recirculation by adding the “Flex-Pack”.	





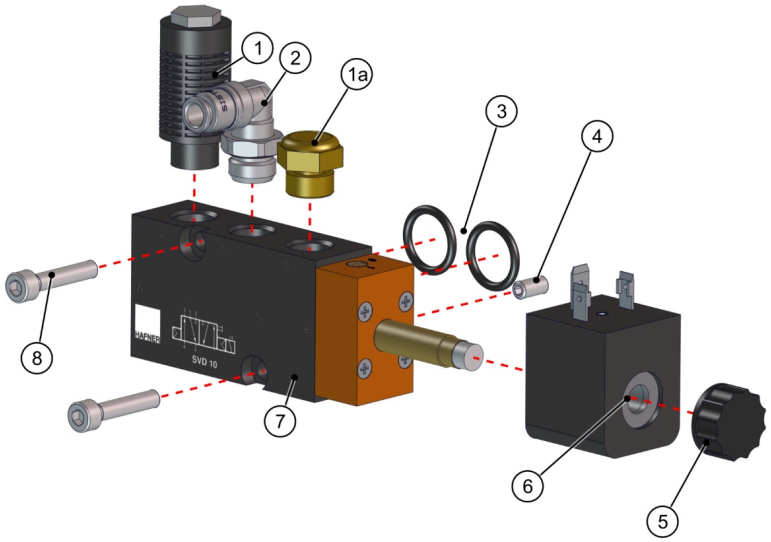


Model	Connection				
	x	y	z	v	w
SVD	5	1	3	2	4
SVS	3	-	1	2	4
SVF	3	1	5	4	2

Model	Main dimensions [mm]											Weight [kg]
	A	B	C	D	E	F	G	H	I	J	K	
SVD	40	1	70	~54	36	22	13	44	22	22	G¼"	0.26
SVS	40	1	70	~54	36	22	13	44	-	-	G¼"	0.26
SVF	40	1	70	~54	36	22	13	44	22	22	G¼"	0.26

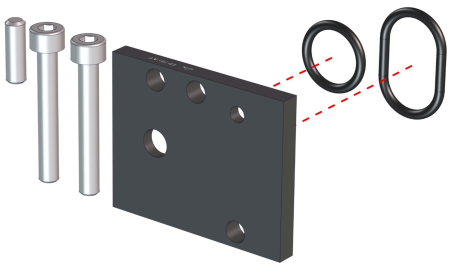
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Material specifications & bill of materials



Item	Naming	Piece	Material group
1 1a	Silencer Silencer (alternative)	2 [1]	Plastic Brass
2	Angle screw connection	1	Nickel-plated brass
3	Seal ring	2	NBR
4	Centering pin	1	Stainless steel
5	Coil nut	1	Plastic
6	Coil	1	Steel, plastic
7	Solenoid valve	1	Aluminum, brass, steel
8	Cylinder head screw	2	Stainless steel

[1] For SVS: Quantity 1



Item	Naming	Piece	Material group
	“Flex-Pack” adapter (only for SVF)	1	

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Technical features

Solenoid valve

Designation:	Description
Connection size/interface:	Namur
Working pressure min./max:	2 bar / 10 bar
Alignment of the connections:	NAMUR interface
Actuation:	Electrically operated
Flow rate (P1=6 bar, ΔP=1 bar):	1250 l/min
Function:	SVD: 5/2-way SVS: 3/2-way SVF: 3/2-5/2 FLEX
Valve body material:	Aluminum
Medium:	Compressed air in accordance withISO 8573-1:2010-04[7:4:4]
Mounting options:	Single mounting
Position stability:	Monostable
Switching time:	50 ms | 6 bar, +20 °C
Temperature range min./max:	-20 °C / +50 °C (AC coil) -20 °C / +60 °C (DC coil) -10 °C / +50 °C (ATEX)
Manual emergency override:	Latching

Coil

Designation:	Description		
	MA 30 S9 24DC X CE	MA 30 S9 110AC X CE	MA 30 S9 230AC X CE
Nominal voltage:	24 V	110 V	230 V
Rated current:	83 mA	27 mA	13 mA
Performance:	2 W	3 VA	3 VA
IP protection class (with matching plug):	IP65		
Coil shape:	Form A (DIN EN 175301-803:2007-03)		

Certificates and approvals

Designation	Description
Explosion protection	ATEX 2014/34/EU Valve body: II 3 G Ex h IIC T6 Gb II 3 D Ex h IIIC T80 °C Coil: II 3G Ex ec IIC T6 Gc II 3D Ex tc IIIC T80 °C Dc
Safety integrity level	IEC 61508 Level 2 (SIL 2) IEC 61508 Level 3 redundant (SIL 3 redundant)

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Option

Angle screw-in connection

Designation	Description
Nominal size:	4, 6, 8 mm
Seal:	O-ring, NBR
Installation position:	any
Design	Push-pull principle
Temperature-dependent operating pressure	-0.92 to 18 bar (-20 °C to +60 °C)
Nominal torque	9Nm
Hose-side connection	6, 8, 10 mm
Valve-side connection	G¼"
Pipe / hose material	PA, PU, PE, PTFE, PP, PVC, outer calibration
Special features	Turning by 360°

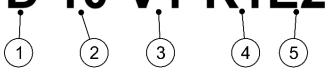
Screw-in muffler

Designation	Description	
	Plastic	Brass
Installation position:	any	any
Temperature-dependent operating pressure:	0 to 10 bar	0 to 10 bar
Connection:	G¼"	G¼"
Sound pressure level:	75 dB(A)	85 dB(A)
Flow against atmosphere:	3000 l/min	1000 l/min

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Type code

SVD 10-V1-K1E2



Example	Position	Feature	Characteristic	Abbreviation
D	1	Function	5/2-way	D
			3/2-way	S
			3/2-5/2 Flex	F
10	2	Valve body	Standard	10
			ATEX Ex h zone 2, 22	20
V1	3	Coil	24 V DC	V1
			230 V AC	V2
			110 V AC	V3
			24 V DC Ex ec zone 2, 22	A1
K1	4	Material Exhaust air fitting	open (G¼")	00
			Sintered bronze	S1
			Plastic	K1
E2	5	Supply air Configuration	open (G¼")	00
			L-push-in fitting, G¼" to 6 mm, nickel-plated brass	E1
			L-push-in fitting, G¼" to 8 mm, nickel-plated brass	E2
			L-push-in fitting, G¼" to 10 mm, nickel-plated brass	E3

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