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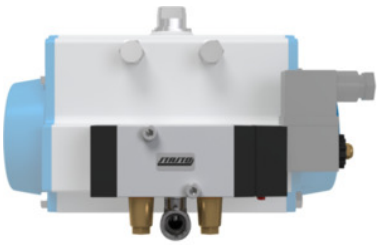
5/2-Way solenoid valve after NAMUR
Incl. Accessories
Type ABS51, ABS52, ABS54 and ABS55



Design type	5/2-way solenoid valve pilot-operated, Actuation electric/internal pilot air or rather electric/electric, Manual emergency override
Connection	G1/4" according to ISO228/1
Materials	Body Anodized aluminium, Slide valve Aluminium, Cover Plastic, Seals NBR
Mounting type	via two mounting screws according to NAMUR standard and VDI/VDE 3845
Mounting position	any
Medium	filtered and lubricated or non-lubricated compressed air
Medium temperature	0... +40°C
Ambient temperature	-10...+50°C
Scope of delivery	2 Piece O-ring 16x2mm, Mounting screws M5 x 35, 1 Piece 1/4“-Elbow fitting and 2 Piece Silencer or rather Throttle silencer, 1 Piece (ABS51, 54) or rather 2 Piece (ABS52, 55) Silencer M5, ATEX coil additional with 3m Cable

Electrical data:

Coil type	Type C001 (Standard coil), Connector width 22mm Type EPC (ATEX coil)
Electrical connection	connector according to industrial form B (see separate data sheet)
Standard voltage	230V/50-60Hz, 24V/50-60Hz / 12VDC, 24VDC / 48V/50-60Hz
Special voltages	115V/50-60Hz, further on request
Permissible voltage fluctuation	± 10%
Power consumption	see table "Solenoid coil"
Duty cycle	100% duty cycle (continuous operation)
Degree of protection	IP65 according to EN 60529 with correctly mounted device connector (Protection against dust ingress and water jets)
Notes:	When ordering, please specify voltage and type of current CAD files are available in the STASTO Store at www.stasto.eu

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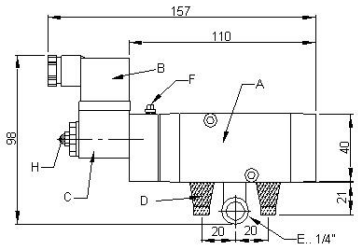
Versions

Actuation / Return	Exhaust air	Application	Type
electric/internal pilot air	silenced	mostly for double-acting pneumatic Actuators, but also for single-acting [1]	ABS51
electric/electric	silenced		ABS52
electric/internal pilot air	throttleable and silenced		ABS54
electric/electric	throttleable and silenced		ABS55

For types ABS54 and ABS55, the speed of the actuators can be adjusted via the flow controls.. This is particularly advantageous when opening a butterfly valve, as this protects the actuators or the end positions are approached with braking..
Since this delayed switching can also prevent closing shocks, finden diese ABS-Ventile auch Anwendung bei allen Arten von pneumatisch betätigten AUF/ZU-Armaturen, wie z. B. bei Kugelhähnen .
[1] This means that with ABS54 and ABS55, even with single-acting actuators, the switching speed in both directions can be regulated and the springs can also be assisted with compressed air.. This also makes it possible to minimize closing shocks on single-acting valves.

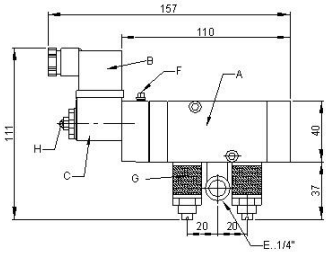
Dimensions

Dimensions ABS51



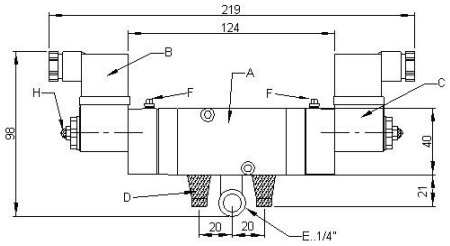
Component width: 30mm

Dimensions ABS54



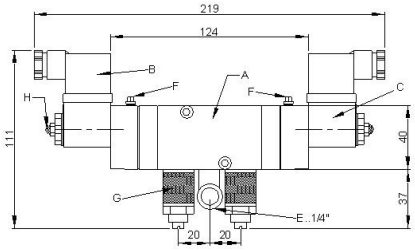
Component width: 30mm

Dimensions ABS52



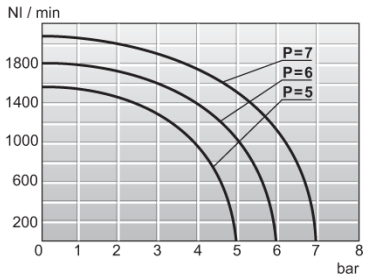
Component width: 30mm

Dimensions ABS55



Component width: 30mm

Flow diagram



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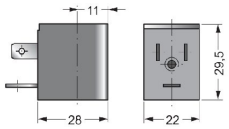
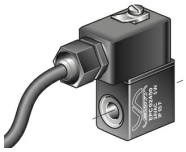
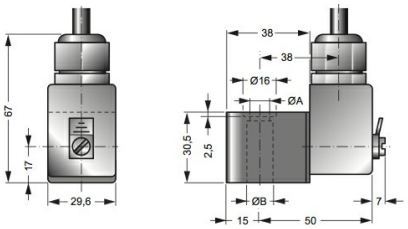
Solenoid coils

		Voltage	Degree of protection	Power consumption at 20°C	Type
		24VDC / 48V/50-60Hz	IP65	3W/5VA	C001-03
		24V/50-60Hz / 12VDC		5VA/3W	C001-04
		230V/50-60Hz		5VA	C001-22
		115V/50-60Hz		5VA	C001-23
		24VDC	Ex II 2G Ex mb IIC T5 Gb Ex II 2D Ex mb tb IIIC T95°C IP66 Db	3,0W	EPC02400
		24V/50-60Hz		3.2W	EPC02450
		110V/50-60Hz		3,2W	EPC11050
		230V/50-60Hz		3,2W	EPC23050

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