

Valves series A1

1/2", 5/2 - 5/3, electrically operated



Standard executions			
Version	Symbol	Code	Item
5/2 solenoid/spring		034114	A1E450
5/2 solenoid/solenoid		034115	A1E451
5/2 solenoid/solenoid differential		034139	A1E452
5/3 with closed centres		034124	A1E470
5/3 with open centres		034125	A1E471
5/3 with pressurised centres		034126	A1E472
5/2 solenoid/spring, external air pilot		034138	A1K450
5/2 solenoid/solenoid external air pilot		034140	A1K451
5/3 with closed centres, external air pilot		034159	A1K470
5/3 with open centres, external air pilot		034160	A1K471
5/3 with pressurised centres external air pilot		034161	A1K472



Series of spool valves, with static seals, high flow, for panel mounting.

Coils and connectors have to be ordered separately.

For the coils type ASA12.../ASA2... see page 2.200.1

For the connectors type A122... see page 2.210.20

Code key

Series	Actuation	Size	Function	Options
A1	E = electrical K = electrical with external air pilot	4 = 1/2"	50 = 5/2 sol./spring 51 = 5/2 sol./sol. 52 = 5/2 sol./sol. differential 70 = 5/3 CC 71 = 5/3 OC 72 = 5/3 PC	BT = low temp. seals

Options	Suffix
Low temperature seals (-25 ÷ +60°C)	BT



On request, they can be supplied according to 2014/34/EU - ATEX

Technical data			
Fluid	Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.		
Pressure range	2,5 ÷ 10 bar		
Temperature range	-10°C ÷ +60°C (standard)		-25°C ÷ +60°C (BT)
Orifice	15 mm		
Flow	2900 NI/min at 6 bar with ΔP 1 bar		
Minimum piloting pressure	Spring return: 2,5 bar	Bistable: 1 bar	3 positions: 2,5 bar
Mounting	In any position		
Manual override	Bistable		
Response time (at 6 bar)	solenoid/spring		solenoid/solenoid
	Energising: 60 ms	De-energising: 36 ms	Energising: 30 ms De-energising: 30 ms
Materials	Body:	Anodised aluminium	
	Covers:	Anodised aluminium	
	Spool:	Hard aluminium anodized	
	Distancers:	Aluminium	
	Seals:	Hydrogenated Nitrile Butadiene Rubber (HNBR)	



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1/2", 5/2 - 5/3, electrically operated



Technical drawing of a 5/2 solenoid/spring valve. The drawing includes a side view, a top view, and a detail view of the solenoid. Dimensions are provided in millimeters: side view (25, 15, 56, 34, 34, 56), top view (216, 36, 28, 124, 28, 70, 53, 18.5, 33, 18.5, 5.3, 58, 16, 32, 16, 58), and detail view (4, 32, 4, M5, 34, 32, 32, 5.3, 58, 64, 58, 40). The hydraulic symbol shows a 5/2 valve with a solenoid and spring return, with ports labeled 14, 4, 2, 5, 13.

Version	Symbol	Code	Item
5/2 solenoid/spring		034114	A1E450
5/2 solenoid/spring, external air pilot		034138	A1K450

Technical drawing of a 5/2 solenoid/solenoid valve. The drawing includes a side view, a top view, and a detail view of the solenoid. Dimensions are provided in millimeters: side view (25, 15, 56, 34, 34, 56), top view (252, 36, 28, 124, 28, 36, 70, 53, 18.5, 33, 18.5, 5.3, 58, 16, 32, 16, 58), and detail view (4, 32, 4, M5, 34, 32, 32, 5.3, 58, 64, 58, 40). The hydraulic symbol shows a 5/2 valve with two solenoids, with ports labeled 14, 4, 2, 12, 5, 13.

Version	Symbol	Code	Item
5/2 solenoid/solenoid		034115	A1E451
5/2 solenoid/solenoid differential		034139	A1E452
5/3 with closed centres		034124	A1E470
5/3 with open centres		034125	A1E471
5/3 with pressurised centres		034126	A1E472
5/2 solenoid/solenoid external air pilot		034140	A1K451
5/3 closed centres, external air pilot		034159	A1K470
5/3 open centres, external air pilot		034160	A1K471
5/3 with pressurised centres external air pilot		034161	A1K472