

Valves series A1

1/2", 3/2, electrically operated



Standard executions			
Version	Symbol	Code	Item
3/2 NC		034113	A1E430
3/2 NO		034122	A1E431
3/2 solenoid/solenoid		034123	A1E432
3/2 NC external air pilot		034137	A1K430
3/2 solenoid/solenoid external air pilot		034158	A1K432



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



II 2Gc IIB T5
II 2Dc T100°C

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

Code key

Series	Actuation	Size	Function
A1	E = electrical K = electrical with external air pilot	4 = 1/2"	30 = 3/2 NC 31 = 3/2 NO 32 = 3/2 solenoid/solenoid

Technical data			
Fluid	Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.		
Pressure range	0 ÷ 10 bar		
Temperature range	-10°C ÷ +60°C		
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 on solenoid pilot - Spring return on valve body		
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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Technical drawing of a 3/2 NC valve. The drawing includes three views: a top view, a side view, and a front view. Dimensions are provided in millimeters. The top view shows a total length of 182 mm, with segments of 56, 34, and 56 mm. The side view shows a total height of 70 mm, with segments of 36, 28, 90, and 28 mm. The front view shows a total width of 182 mm, with segments of 57, 32, and 57 mm. A G1/2" port is indicated. A table of versions is provided to the right.

Version	Symbol	Code	Item
3/2 NC		034113	A1E430
3/2 NO		034122	A1E431
3/2 NC external air pilot		034137	A1K430

Technical drawing of a 3/2 solenoid/solenoid valve. The drawing includes three views: a top view, a side view, and a front view. Dimensions are provided in millimeters. The top view shows a total length of 182 mm, with segments of 56, 34, and 56 mm. The side view shows a total height of 70 mm, with segments of 36, 28, 90, and 28 mm. The front view shows a total width of 182 mm, with segments of 57, 32, and 57 mm. A G1/2" port is indicated. A table of versions is provided to the right.

Version	Symbol	Code	Item
3/2 solenoid/solenoid		034123	A1E432
3/2 solenoid/solenoid external air pilot		034158	A1K432