

Valves series A1

1/2", 3/2, electrically operated



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 are 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

see page 2.200.1

see page 2.210.20



On request, they can be supplied according Directive 94/9/EC - **ATEX**
CE **II 2 GDc T5**

Code key

Series	Actuation	Size	Function
A1	E = electrical	1 = 1/8"	30 = 3/2 NC
	K = electrical	2 = 1/4"	31 = 3/2 NO
	with external air pilot	4 = 1/2"	32 = 3/2 solenoid/solenoid
			50 = 5/2 solenoid/spring
			51 = 5/2 solenoid/solenoid
			70 = 5/3 CC
			71 = 5/3 CO
			72 = 5/3 CP

Technical data			
Fluid	Compressed filtered air with or without lubrication. Lubrication, if be used, must be continous.		
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	Monostable: 2.5 bar	Bistable: 1 bar	3 positions: 2.5 bar
Mounting	In any position		
Manual override	Bistable on solenoid pilot - Monostable on valve body		
Materials	Body:	Aluminium	
	Heads:	Aluminium	
	Spool:	Aluminium	
	Distancers:	Aluminium	
	Seals:	NBR	

Valves series A1
1/2", 3/2, electrically operated



Technical drawing of a 3/2 NC valve. The drawing includes a side view, a top view, and a detail view of the valve body. Dimensions are provided in millimeters: side view (25, 15, 56, 34, 56, 182), top view (70, 53, 36, 28, 90, 28, 18.5, 33, 18.5, 5.3, 16, 16, 57, 32, 57), and front view (4, 32, 4, M5, 57, 32, 57, 40). A detail view shows a G1/8 port and a 20mm width. The table below lists the versions and their symbols, codes, and item numbers.

Version	Symbol	Code	Item
3/2 NC		034113	A1E430
3/2 NA		034122	A1E431
3/2 NC external air pilot		034137	A1K430

Technical drawing of a 3/2 solenoid/solenoid valve. The drawing includes a side view, a top view, and a detail view of the valve body. Dimensions are provided in millimeters: side view (25, 15, 56, 34, 56, 182), top view (70, 53, 36, 28, 90, 28, 18.5, 33, 18.5, 5.3, 16, 16, 57, 32, 57), and front view (4, 32, 4, M5, 57, 32, 57, 40). A detail view shows a G1/8 port and a 20mm width. The table below lists the versions and their symbols, codes, and item numbers.

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

Valves series A1

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



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 are 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
A1	E = electrical	1 = 1/8"	30 = 3/2 NC
	K = electrical	2 = 1/4"	31 = 3/2 NO
	with external air pilot	4 = 1/2"	32 = 3/2 solenoid/solenoid
			50 = 5/2 solenoid/spring
			51 = 5/2 solenoid/solenoid
			52 = 5/2 solenoid/solenoid differential
			70 = 5/3 CC
			71 = 5/3 CO
			72 = 5/3 CP



On request, they can be supplied according Directive 94/9/EC - ATEX

CE II 2 GDc T5

Technical data			
Fluid	Compressed filtered air with or without lubrication. Lubrication, if be used, must be continous.		
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	Monostable: 2.5 bar	Bistable: 1 bar	3 positions: 2.5 bar
Mounting	In any position		
Pilot	Pilot in line		
Manual override	Bistable on solenoid pilot - Monostable on valve body		
Materials	Body:	Aluminium	
	Heads:	Aluminium	
	Spool:	Aluminium	
	Distancers:	Aluminium	
	Seals:	NBR	

Valves series A1

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, 216, 70, 53, 36, 28, 124, 28, 18.5, 33, 18.5, 16, 32, 16, 58, 64, 58), top view (4, 32, 4, M5, 58, 32, 32, 58, 34, 40), and detail view (G1/8, 14.5, 20). The hydraulic symbol shows a 5/2 valve with a solenoid and spring return.

Version	Symbol	Code	Item
5/2 solenoid/spring		034114	A1E450
3/2 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, 252, 70, 53, 36, 28, 124, 28, 36, 18.5, 33, 18.5, 16, 32, 16, 58, 64, 58), top view (4, 32, 4, M5, 58, 32, 32, 58, 34, 40), and detail view (G1/8, 14.5, 20). The hydraulic symbols show various 5/2 and 5/3 valve configurations.

Versione	Simbolo	Codice	Articolo
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