

Valves series AX1

1/4", 3/2 - 5/2, NAMUR interface, electrically operated



Standard executions			
Version	Symbol	Code	Item
3/2 NC		037029	AX1NE230
3/2 solenoid/solenoid		037030	AX1NE232
5/2 solenoid/spring		037008	AX1NE250
5/2 solenoid/solenoid		037031	AX1NE251



New series of "AX" valves with functions 3/2 - 5/2 connections NAMUR on the body, electric pilot.

They are manufactured in AISI 316L stainless steel, especially suitable in the food, chemical, pharmaceutical, Oil & Gas and mining industry.

AX valves are manufactured according to 2014/34/EU Directive to be used in potentially explosive environment.



II 2Gc IIB T5
II 2Dc T100°C

Coils and connectors have to be ordered separately:

For the coils type ASA12...

see page 2.200.1

For the coils type ASA2...

see page 2.200.10

For the coils type ASA34... (only for EG/KG)

see page 2.200.30

For connector see what suggested for the coil



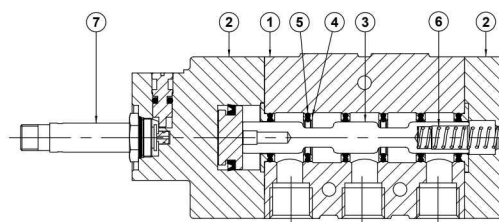
For the ATEX valves with coils Ex see version
XX-XA-XB-XC-XD from page 5.81.1

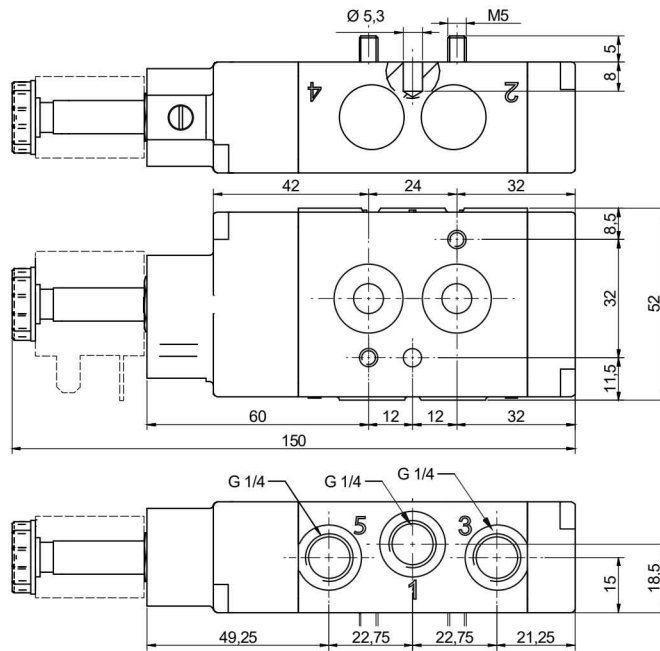
Code key				
Series	Actuation	Size	Function	Option
AX1N = NAMUR AXX1N* = NAMUR Completely in stainless steel	E = electrical Ø9 EG** = electrical Ø13	2 = 1/4 Gas 2N = 1/4 NPT	30 = 3/2 NC 32 = 3/2 solenoid/solenoid 50 = 5/2 solenoid/spring 51 = 5/2 solenoid/solenoid	V = Seals FKM

*On request

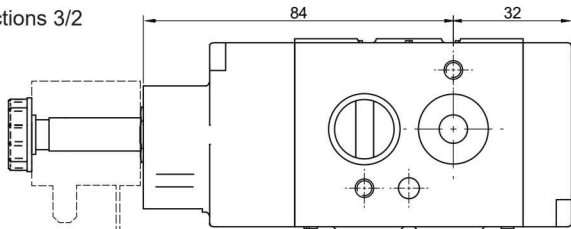
** For actuation EG use coils type ASA34

Technical data			
Fluid		Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.	
Threaded connection		1/4 Gas - 1/4 NPT	
Pressure range	Standard	Spring return: 2,5 ÷ 10 bar (E)	Bistable: 1 ÷ 10 bar (E)
	High pressure	Spring return: 2,5 ÷ 12 bar (EG)	Bistable: 1 ÷ 12 bar (EG)
Minimum external air pressure		1,5 bar (K - KG)	
Temperature range		-25°C ÷ +70°C (standard) -10°C ÷ +90°C (V)	
Protection grade		-	
Ø Orifice		8 mm	
Flow		1.100 NI/min at 6 bar with ΔP 1 bar	
Mounting		In any position (vertical assembly is not recommended for bistable valves subjected to vibration)	
Manual override		Bistable	
Response time (at 6 bar)		Energising: - ms	Energising: - ms
		De-energising: - ms	De-energising: - ms
Materials	(1) Body:	Stainless steel AISI 316L	
	(2) Cover:	Stainless steel AISI 316L	
	(3) Spool:	Hard aluminium anodized (AX1 series) Stainless steel AISI 316 (AXX1 series)	
	(4) Distancers:	Ixef 1022 (AX1 series) Stainless steel AISI 316 (AXX1 series)	
	(5) Seals:	Hydrogenate Nitrile Butadine Rubber (HNBR)	
	(6) Spring:	Stainless steel	
	(7) Operator:	Stainless steel	

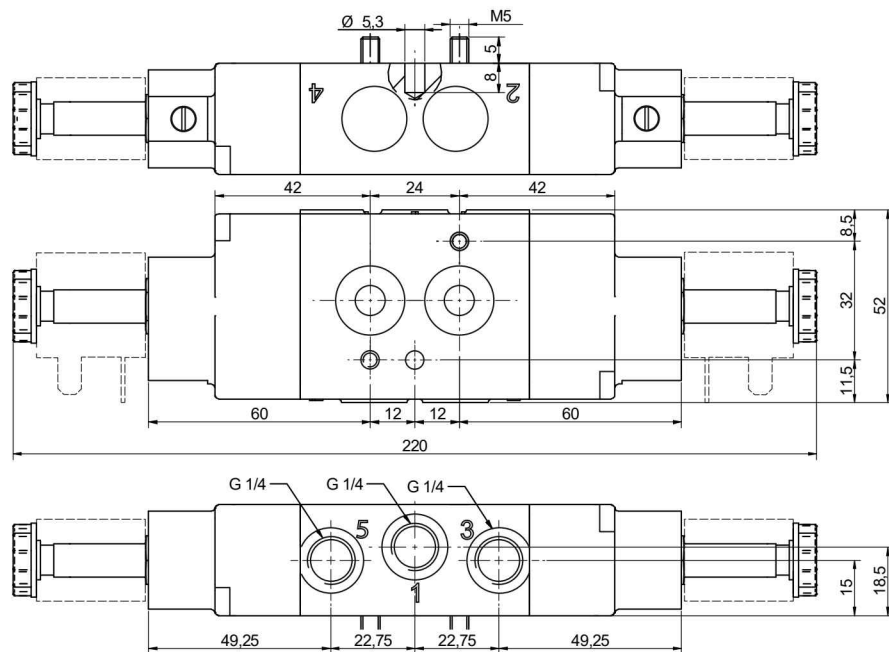




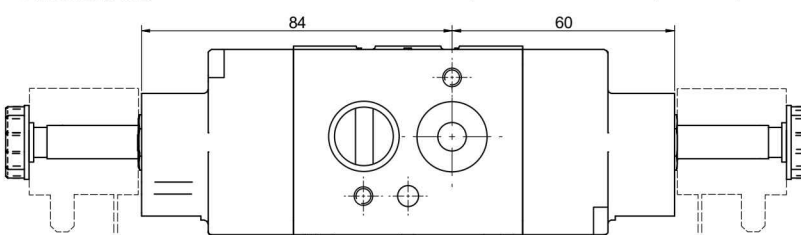
Functions 3/2



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Functions 3/2



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