

# 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**



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:

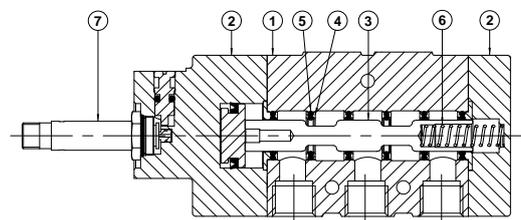
For the coils type ASA12... see page 2.200.1  
 For the coils type ASA2... see page 2.200.10  
 For the coils type ASA34... (only for EG/KG) see page 2.200.30  
 For connector see what suggested for the coil

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

\* For actuation EG/KG 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: 1,5 ÷ 10 bar (E)      Bistable: 1 ÷ 10 bar (E)
	High pressure	Spring return: 1,5 ÷ 12 bar (EG)      Bistable: 1 ÷ 12 bar (EG)
Minimum external air pressure	1,5 bar (K - KG)	
Temperature range	-25°C ÷ +70°C	
	-10°C ÷ +150°C (V)	
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:	Fortron 1140L4 (AX1 series) Stainless steel AISI 316 (AXX1 series)
	(5) Seals:	Hydrogenate Nitrile Butadine Rubber (HNBR)
	(6) Spring:	Stainless steel
	(7) Operator:	Stainless steel



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