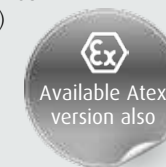


Solenoid Valve 3/2 Direct Acting

- ▶ Threaded exhaust connection
- ▶ Reliable performance
- ▶ Suitable with triple certification UL, CSA, VDE
- ▶ High flow

- ▶ **Body material:** Brass UNI EN 12165 CW617N
- ▶ **Armature tube:** Stainless Steel AISI 300 series
- ▶ **Plungers:** Stainless Steel AISI 400 series
- ▶ **Spring:** Stainless Steel AISI 300 series
- ▶ **Media:** mineral oils, gasoline, diesel, air, inert gases, water, steam, fuel oils, hot water,
- ▶ **Ambient temperature:** See coils catalogue page for its compatibility
- ▶ **Fluid temperature:** -10°C +140°C with FKM seals
-40°C +180°C with RUBY seals
- ▶ **Design pressure PS:** 40 bar
- ▶ **Protection class:** IP 65 (complete with electric plug)
- ▶ **Electrical conformity:** IEC 335
- ▶ **Switching time:** 20-40 msec

- ▶ Also available with low lead brass for food grade
- ▶ The use of rigid sealings usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar.
- ▶ Explosion proof coil Ex nA (see Atex section)
- ▶ Latching coil (See coil section)



PIPE	Ø (mm)	Kv (l/min)	MAX VISCOSITY cSt (°E)	PRESSURE min	PRESSURE MAX MOPD (bar)						GAS CODE	NPT CODE	DRAWING REFERENCE
					COIL TYPE								
					AC			DC					
					B	U	G	B	U	G			

G 1/8	1 ^(*)	0,45	12(2)	0	20		20		31A3AR10		1
	1,5 ^(*)	1,4	12(2)	0	15		15		31A3AR15		1
	2 ^(*)	2	37(5)	0	10		10		31A3AR20		1
	2,5 ^(*)	3,2	53(7)	0	6		6		31A3AR25		1
	1 ^(*)	0,45	12(2)	0	20		20		31A3AV10		1
	1,5 ^(*)	1,4	12(2)	0	15		15		31A3AV15		1
	2 ^(*)	2	37(5)	0	10		10		31A3AV20		1
	2,5 ^(*)	2,5	53(7)	0	6		6		31A3AV25		1
	3 ^(*)	4	53(7)	0	5		5		31A3AV30		1
	1,5 ^(*)	1,4	12(2)	0	15		15		31A3CV15		1
	1 ^(*)	0,8	12(2)	0	18		18		31A3GV10-U		1
	1,5 ^(*)	1,4	12(2)	0	10		10		31A3FV15-U		1
	2,5 ^(*)	3,2	53(7)	0	4		4		31A3AV25-U		1
	3 ^(*)	4	53(7)	0	3,5		3,5		31A3EV30-U		1
	1 ^(*)	0,45	12(2)	0	20		20		31A2AR10		1
1,5 ^(*)	1,4	12(2)	0	15		15		31A2AR15		1	
G 1/4	2 ^(*)	2	37(5)	0	10		10		31A2AR20		1
	2,5 ^(*)	3,2	53(7)	0	6		6		31A2AR25		1
	1 ^(*)	0,45	12(2)	0	20		20		31A2AV10		1
	1,5 ^(*)	1,4	12(2)	0	15		15		31A2AV15		1
	2 ^(*)	2	37(5)	0	10		10		31A2AV20		1
	2,5 ^(*)	3,2	53(7)	0	6		6		31A2AV25		1
	3 ^(*)	4	53(7)	0	5		5		31A2AV30		1
	1 ^(*)	0,8	12(2)	0	18		18		31A2GV10-U		1
	1,5 ^(*)	1,4	12(2)	0	10		10		31A2FV15-U		1
	2,5 ^(*)	3,2	53(7)	0	4		4		31A2AV25-U		1
	3 ^(*)	4	53(7)	0	3,5		3,5		31A2EV30-U		1
2 ^(*)	2	37(5)	0	7		7		31A2FV20-U		1	

Suffix description: 31A3GV10-U

-U	Universal valve
Possible to flow in any valve direction respecting the inox pressure mentioned in the table above	

A detailed technical cross-section drawing of a valve assembly. The assembly is housed within a cylindrical body. At the top, a central shaft passes through a seal. Below the seal is a piston or plug with a central bore, held in place by a spring. The piston is surrounded by a sleeve with internal grooves. At the bottom, there are two ports, each with a check valve or seal. The drawing uses hatching to indicate different materials and cross-sections.

Normally Closed
KT130AR30-A
KT130AR30-AR
KT130CU30-A
KT130AU30-A

- ▶ P990305: Electrical plug EN 175301-803 Pg9
- ▶ P990306: Electrical plug EN 175301-803 Pg11
- ▶ P991216: Electrical plug EN 175301-803 Pg9 (with OR screw)
- ▶ P991217: Electrical plug EN 175301-803 Pg11 (with OR screw)
- ▶ P991218: Electrical plug EN 175301-803 cable 2 wires, 53cm
- ▶ R452714: Antihumidity kit (up to IP67 protection together with plugs P991216, P991217, P991218 & H coils class)
- ▶ P992087: Timer for automatic switch

Figure	Coil Type	D mm	E mm	F mm
1	B	30	42	54

