



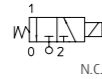
FEATURES

- Wide range of applications high flow valves for liquids, gaseous
- Reliable proven design with high flows
- Small poppet valve for tight shutoff
- Mountable in any position

TECHNICAL SPECIFICATION

- 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
- Ex d Housing in Aluminium die cast
- Media:** mineral oils, gasoline, diesel, fuel oils, air inert gases, water, 134 a, R 404a
- Ambient temperature:** See coils catalogue page for its compatibility
- Ex m Fluid temperature:** -10°C +80°C with FKM seals
-30°C +80°C with H-NBR seals
- Ex d Housing Ambient temperature:** -40°C +60°C
- Design pressure PS:** 40 bar
- Protection class:** Ex m IP 65 (complete with electric plug);
Ex d IP 65 (with hosing fitted by cable gland Atex Ex d)
- Electrical conformity:** IEC 335

- Switching time:** 20-40 msec (depending on pressure conditions)
- (Conforme to ATEX Directive 94/9/CE ATEX)
- For S.V. 31A3EL..
II 2G Ex d IIC T6 o T5 Gb
II 2D Ex tb IIIC T80°C o T90°C Db IP67
(Tamb: -40°C ≤ +60°C)
- For S.V. 31A3P..
II 2G Ex mb II T4
II 2D Ex tD
IEC Ex m II T4
A21 IP65 T130°C



31A	3	PD	V	15	
Model valve	2= G 1/4 3= G 3/8	PD= N.C. Ex m EI= N.C. Ex d	V= FKM F= H-NBR	15 20 25 30	Orefice 10 ⁻¹ mm

B	D	A	08	012	C	S
B= 30mm Ø 13	D EN 175301-803	A= Class F	08= 8W	012= 12V 024= 24V 048= 48V 110= 110V 223= 220V-230V	C= DC A= AC	S= Without Approval(*)

(*) Ex d protection class when assembled with Ex housing

T	N	A	4X	024	D	4
T= 36mm Ø 14,5	N 3 cables cm 300	A= Class F	4X= 7,2V 5X= 9,13V 05= 7,7V-9,2V 10= 10,1W	024= 24V 110= 110V 224= 220V-240V 024= 24V	D= AC C= DC	4= Ex m T4

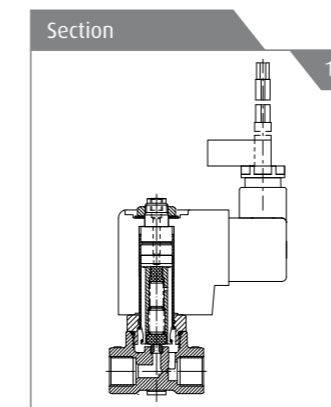
PIPE	Ø (mm)	Kv (l/min)	MAX VISCOSITY cSt (°E)	PRESSURE min	PRESSURE MAX MOPD (bar)				GAS CODE	NPT CODE	FLOW CURVE
					COIL TYPE						
					AC		DC				
B	T	B	T								

Normally Closed Ex m (*) 3rd way exhaust- Ø 3mm

G 1/8	1,5(*)	1,2	12(2)	0	-	15	-	15	31A3PDV15	(Part numbering example add "N" at the 4th digit 31AN1PD; 31AN2PD)	1
	2(*)	2	37(5)		-	10	-	10	31A3PDV20		1
	2,5(*)	3	53(7)		-	6	-	6	31A3PDV25		1
	3(*)	3,5	53(7)		-	5	-	5	31A3PDV30		1
G 1/4	1,5(*)	1,2	12(2)	0	-	15	-	15	31A2PDV15		1
	2(*)	2	37(5)		-	10	-	10	31A2PDV20		1
	2,5(*)	3	53(7)		-	6	-	6	31A2PDV25		1
	3(*)	3,5	53(7)		-	5	-	5	31A2PDV30		1

Normally Closed Ex d (*) 3rd way exhaust- Ø 3mm

G 1/8	1(*)	0,45	12(2)	0	20	-	20	-	31A3EIV10	(Part numbering example add "N" at the 4th digit 31AN1EI; 31AN2EI)	2
	1,5(*)	1,4	12(2)		15	-	15	-	31A3EIV15		2
	2(*)	2	37(5)		10	-	10	-	31A3EIV20		2
	2,5(*)	3,2	53(7)		6	-	6	-	31A3EIV25		2
	3(*)	4	53(7)		5	-	5	-	31A3EIV35		2
G 1/4	1(*)	0,45	12(2)	0	20	-	20	-	31A2EIV10		2
	1,5(*)	1,4	12(2)		15	-	15	-	31A2EIV15		2
	2(*)	2	37(5)		10	-	10	-	31A2EIV20		2
	2,5(*)	3,2	53(7)		6	-	6	-	31A2EIV25		2
	3(*)	4	53(7)		5	-	5	-	31A2EIV35		2

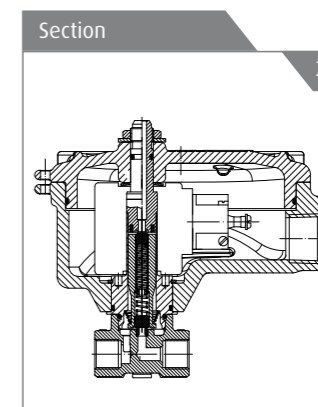


REPAIR KIT

For spare parts please consult our technical department

Coil P/N Ex mb II T 4

- RTNA4X024D4
- RTNA5X110D4
- RTNA05224DA
- RTNA10024C4



REPAIR KIT

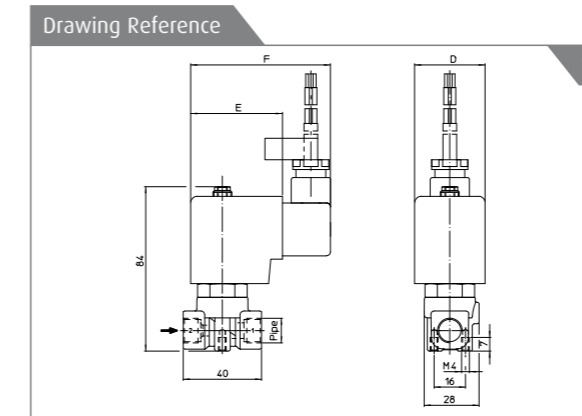
For spare parts please consult our technical department

ACCESSORIES

Code P992219 Cable Gland (to be ordered separately)

INSTALLATION

- The solenoid valves can be mounted in any position
- Maintenance and instruction sheet available in each solenoid valve box
- Attention: for fuse selection please refer to the "Instruction sheet Atex products" delivered together with the valve
- Holes and threaded connections for panel fixing



Dimensionale Table

Figure	Coil Type	D mm	E mm	F mm
1	T	36	47	71

