

21L EX II EX D N.C.

Atex - Solenoid Valve 2/2 way Direct Acting Explosion Proof



FEATURES

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

TECHNICAL SPECIFICATION

- Body material:** Stainless Steel AISI 316
- 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, water, inert gases, 134 a, R 404a
- Ex m 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
- Ex d Fluid temperature:** -10 +80°C with FKM seals
- Design pressure PS:** 40 bar
- Protection class:** Ex m IP65 (complete with electric plug);
Ex d IP65 (with hosing fitted by cable gland Atex Ex d)
- Electrical conformity:** IEC 335

- (Conforme to Atex Directive 94/9/CE ATEX)
- For S.V. 21L..I
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. 21L..Q
II 2G Ex mb IIC Gb
II 2D Ex tb IIIC t130°C Db

21L	1	QD	V	25	
Model valve	2= G 1/8 3= G 1/4	QD= N.C. KI= N.C	V= FKM F= H-NBR	25 30 45 55	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 D= 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

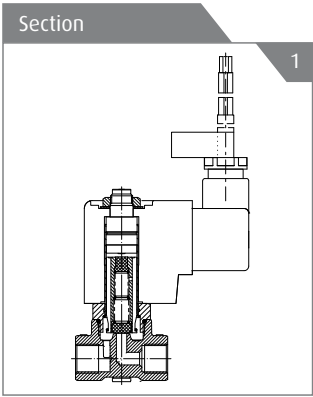
PIPE	Ø (mm)	Kv (l/min)	MAX VISCOSITY cSt (°E)	PRESSURE min	PRESSURE MAX MOPD (bar)						GAS CODE	NPT CODE	DRAWING REFERENCE
					COIL TYPE								
					AC			DC					
					B	T		B	T				

Normally Closed Ex m

G 1/8	2,5	3,2	53(7)	0	-	14	-	9		21L1QDV25	(Part numbering example add "N" at the 4th digit 21LN1QDV25)	1
	3	4	53(7)		-	10	-	6		21L1QDV30		1
	4	5	53(7)		-	6	-	1,7		21L1QDV40		1
G 1/4	2,5	3,2	53(7)	0	-	14	-	9		21L2QDV25		1
	3	4	53(7)		-	10	-	6		21L2QDV30		1
	4	5	53(7)		-	6	-	1,7		21L2QDV40		1
	5,5	9	53(7)		-	3,5	-	1		21L2QDV55		1

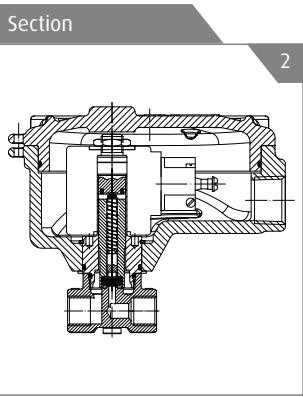
Normally Closed Ex d

G 1/4	2,5	3,2	53(7)	0	14	-	9	-		21L2KIV25	(Part numbering example add "N" at the 4th digit 21LN2KIV25)	2
	3	4	53(7)		10	-	6	-		21L2KIV30		2
	4	5	53(7)		6	-	1,7	-		21L2KIV40		2
	5,5	3,2	53(7)		3,5	-	1	-		21L2KIV55		2



REPAIR KIT
For spare parts please consult our technical department

Coil P/N Ex mb II T 4
RTNA4X024D4
RTNA5X110D4
RTNA05224DA
RTNA10024C4

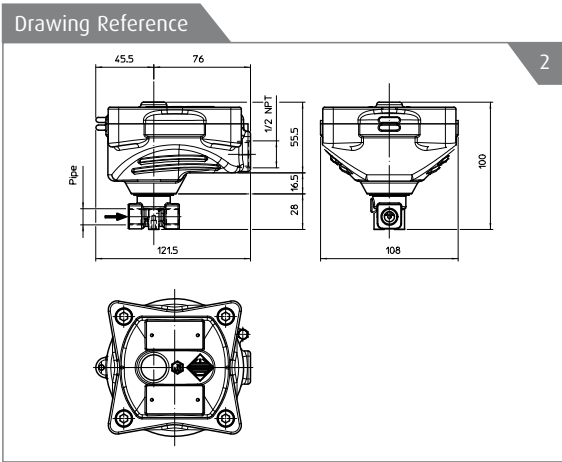
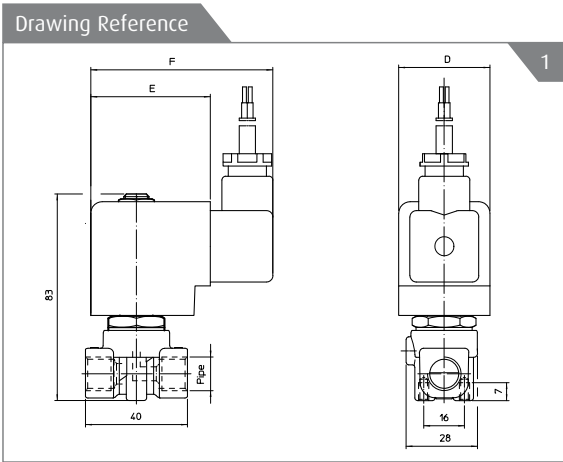


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ACCESSORIES
Code P992219 Cable Gland (to be ordered separately)

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
- Fixing holes
- Holes and threaded connections for panel fixing



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