Solenoid valve 2/2 way N.C.
Direct acting

21AN1K0V15 ÷ 21AN2K0V55

PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction materials.
Minimum operational pressure is not required.
The materials used and the tests carried out ensure maximum reliability and duration.

USE: Automation
Heating

PIPES: 1/8 NPT - 1/4 NPT

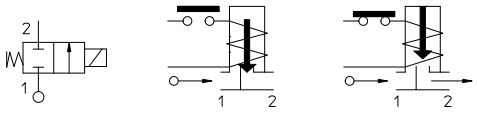
COILS:
8W - Ø 13 (1)
BDA - BSA 155°C (class F)
BDV 180°C (class H)
12W - Ø 13
UDA 155°C (class F)
14W - Ø 13
GDH - GDV 180°C (class H)
(1) Explosion-proof housing for coils with electrical connections EN 175301-803 on request.

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility..

COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

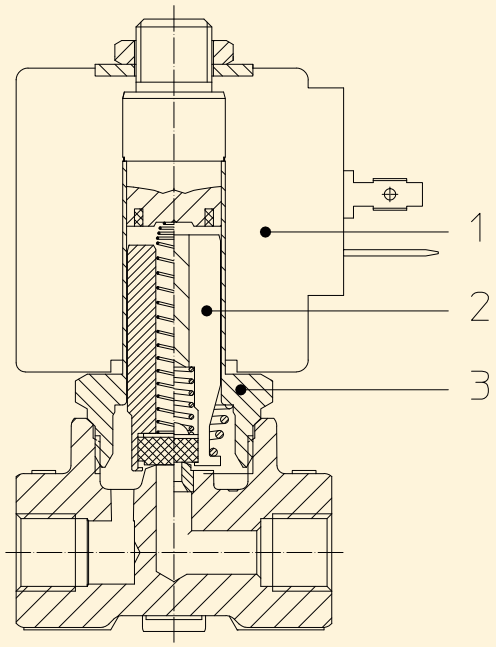
Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water
E=EPDM (ethylene-propylene)	- 10°C	+140°C	Water, steam

For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I.21AN2K0**B**15.



Pipe ANSI/ASME BI.20.1	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
1/8 NPT	21AN1K0**V**15	12	~ 2	1,5	1,4	8	0	30	18
	21AN1K0**V**20	37	~ 5	2	2	8		22	16
						12		35	30
						14			
	21AN1K0**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	21AN1K0**V**30			3	4	8		10	6
						12		25	18
						14			20
	21AN1K0**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
1/4 NPT	21AN2K0**V**15	12	~ 2	1,5	1,4	8		30	18
	21AN2K0**V**20	37	~ 5	2	2	8		22	16
						12		35	30
						14			
	21AN2K0**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	21AN2K0**V**30			3	4	8		10	6
						12		25	18
						14			20
	21AN2K0**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
	21AN2K0**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5

Note Also available with brass body without lead.



MATERIALS:

Body	Brass - UNI EN 12165 CW617N
Armature tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI seriea 400
Phase displacement ring	Copper - Cu 99,9%
Spring	Stainless steel AISI series 300
Seal	Standard: V=FKM On request: B=NBR E=EPDM
Orifice:	
≤ 3 mm **Insert slot**	Stainless steel AISI series 300
> 3 mm	Brass - UNI EN 12165 CW617N
On request:	
Connector	Pg 9 or Pg 11
Connector conformity	ISO 4400

FEATURES:

Electrical conformity	IEC 335
Protection degree	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

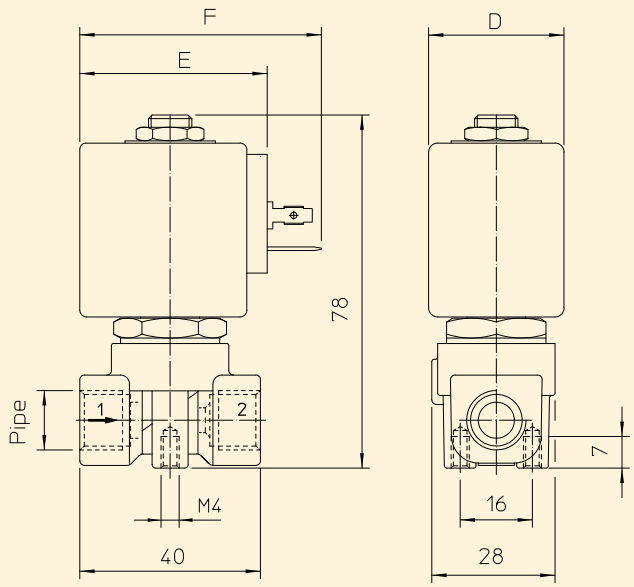
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   For orifice ≤ 3 mm
   Code R450886/***V***
   For orifice > 3 mm
   Code R450898/***V***
3. **Complete armature tube:**
   Code R450606

KIT:

≤ 3 mm
KT130K***V***30-A=***2+3***
> 3 mm
KT130K***V***55-A=***2+3***

DIMENSIONS:



Type	Pipe ANSI/ASME BI.20.1
21AN10K**V**	G 1/8
21AN20K**V**	G 1/4

COIL TYPE	POWER ABSORPTION			DIMENSIONS		
	W ⎓	Hold VA ~	Inrush VA ~	D mm	E mm	F mm
B	8	14,5	25	30	42	54
U	12	23	35	36	48	60
G	14	27	43	52	55	67