



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

21AP2Z0 V15D

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21AP2Z0 V30G

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: G 1/8

COIL: 8W - Ø 13
BDA - BSA 155°C (class F)
BDV 180°C (class H)
12W - Ø 13
UDA 155°C (class F)
UDV 180°C (class H)

MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.

Ambient temperature:

See coils catalogue page for its compatibility.



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.21AP2Z0**B**20D.

Max allowable pressure (PS) 16 bar - According to EN 60730-2-8 - Factor of safety for domestic applications equal to 5 times PS

Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power watt	Pressure		
		cSt	°E				min bar	M.O.P.D.	
G 1/8	21AP2Z0 V15D	12	~ 2	1,5	1,1	8	0	16	16
	21AP2Z0 V20D	37	~ 5	2	1,8	12		14	14
	21AP2Z0 V25D	53	~ 7	2,5	2,5	8		16	16
	21AP2Z0 V25G					12		10	10
	21AP2Z0 V30D			3	3,4	8		15	15
	21AP2Z0 V30G					12			

Max allowable pressure (PS) 25 bar - Safety factor for industrial application equal to 3 times PS | Please consult our Technical Service.

Note

Max torque for fittings 1,5 Nm, coil nut assembly 2 Nm max; armature tube 4 Nm | Evaluate tightening torque for tapered fittings | Use the seal fittings compatible with the material of the body | Available with coil Ex nA | The use of rigid sealings (Ruby or PTFE) usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar | For application with steam or with PS above the 16 bar, please consult our Technical Service|Available on request and with minimum quantities.

The "ODE" reserves the right to carry out technical and aesthetic modifications without prior notice.

13-11-2017

(Internal technical data sheet)

ODE

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MATERIALS:

Body	PPS
Armature tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 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	PPS

On request:

Connector	Pg 9 or Pg 11
Connector conformity	ISO 4400

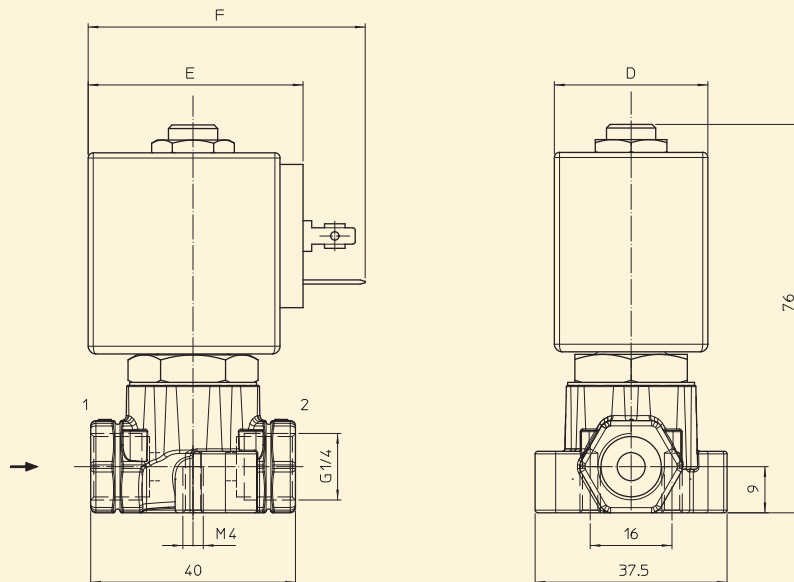
FEATURES:

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 diaphragm support:**
8W Code R450788/V
12W Code R450788/V14
- 3. Complete armature tube without gasket:**
Code R450753
- 4. Gasket O-Ring:**
Code R990000/VX

DIMENSIONS:



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