



Proportional solenoid valve 2/2 way N.C. - Direct acting NSF Certified

21AP1KC4V15-1AT0

PRESENTATION:

Solenoid valve designed for a fluid output proportional to voltage change compatible with the construction materials.
Minimum operational pressure is not required.
Mounting in any position.
Material used and tests carried out ensure reliability and long life time.

TECHNICAL FEATURES:

Max. allowable pressure (PS) 16 bar

Ambient temperature:

See coils catalogue page for its compatibility.

Proportional response features:

Hysteresis < 5%
Repeatability < 3%
Sensitivity < 2%

Tensions range:

0-24 VDC

24 VDC impulse range modulation (600 ÷ 800 Hz),

(see general information:proportional S.V. operation).

These solenoid valves are not suitable for stagnating fluids, or for fluids that being subject to evaporation may deposit solid, calcareous or similar residues.

PIPES: G 1/8

COIL:

8W - Ø 13

BDA - BSA

155°C (class F)

BDV

180°C (class H)

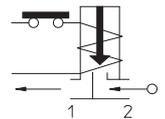
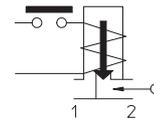
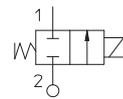
12W - Ø 13

UDA

155°C (class F)

UDV

180°C (class H)

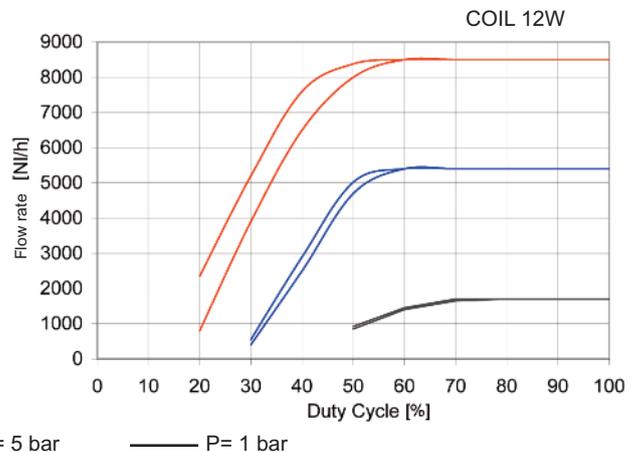
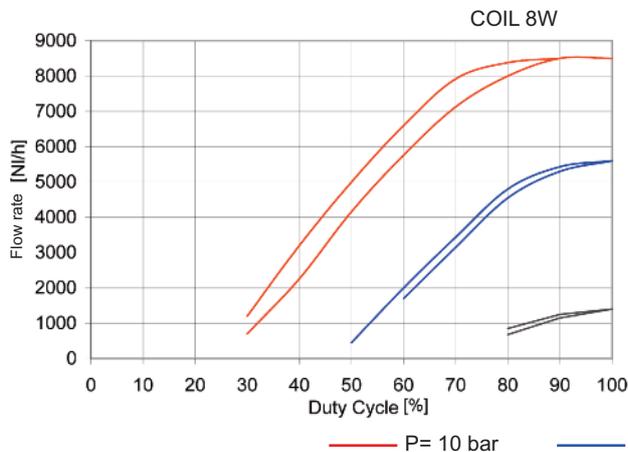


COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Air, Water, Steam

Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power watt	Pressure		
		cSt	°E				min bar	M.O.P.D.	
								AC bar	DC bar
G 1/8	21AP1KC4V15-1AT0	21	~ 3	1,5	1,1	8 12	0	-	10

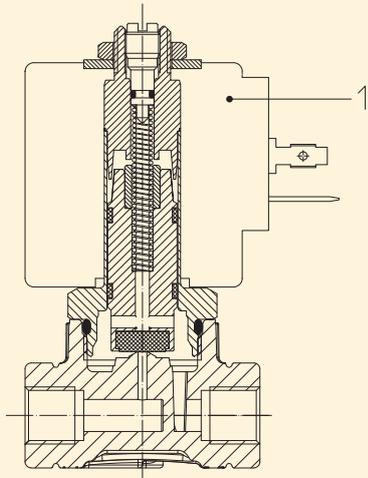
SOLENOID VALVE CALIBRATED AT 10 bar - Flow rate in air



Note

Max torque for fittings 1,5 Nm, coil nut assembly 2 Nm, armature tube 3 Nm | Evaluate tightening torque for tapered fittings | Use the seal fittings compatible with the material of the body | For application with steam, 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..



MATERIALS:

Body	PPS
Armature tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Spring	Stainless steel AISI series 300
Ring guide	PTFE
Orifice	PPS
Seal	V=FKM
Gasket	V=FKM

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.

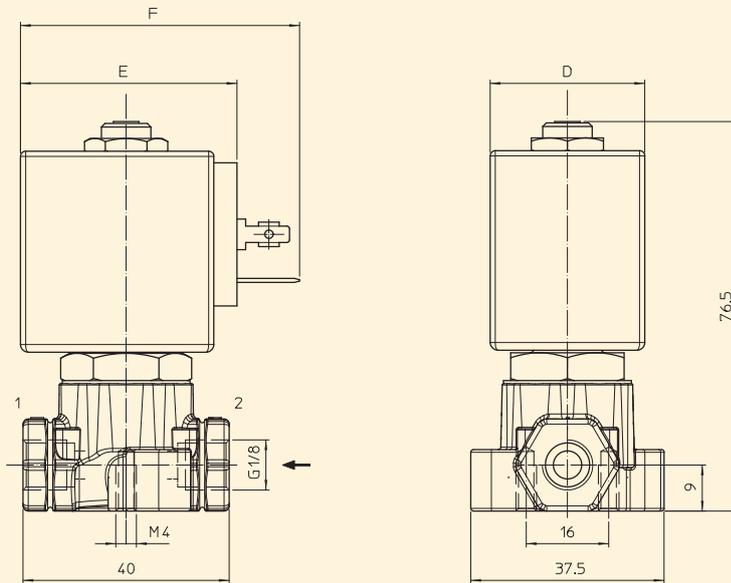
SPARE PARTS:

- 1. Coil:
See coils list

KIT:

KT130KCV55-I

DIMENSIONS:



COIL TYPE	POWER ABSORPTION	DIMENSIONS		
	W ---	D mm	E mm	F mm
B	8	30	42	54
U	12	36	48	60