Solenoid valve 2/2 way N.C.
With pilot control
Explosion proof - Atex Ex d

21WA3KI*B*130 ÷ 21WA4KI*B*130

PRESENTATION:

S.V. with pilot control for interception of fluids compatible with the construction materials. Aluminium coil housing, explosion proof “Ex d” . Electrical and electromechanical components according to Atex Directive 2014/34/EU.
A minimum operational pressure of 0,2 bar is required.
The materials used and the tests carried out ensure maximum reliability and duration.



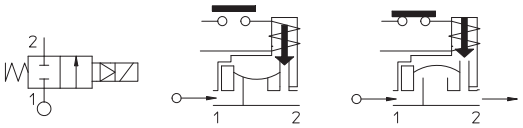
USE: Potentially explosive atmospheres
Zone 1, 2, 21, 22

PIPES: G 3/8 - G 1/2

COIL: 8W -Ø 13
BDV 180°C (class H)

PresMax. allowable pressure (PS) 20 bar
Housing ambient temperature - 40°C + 60°C

Gaskets	Temperature		Medium
B=NBR (nitrile rubber)	- 10°C	+ 80°C	Air, inert gas, water
E=EPDM (ethylene-propylene)	- 10°C	+ 80°C	Water, low pressure steam
V=FKM (fluoroelastomer)	- 10°C	+ 80°C	Mineral oils (2°E), gasoline gas oil
F=H-NBR (hydrogenated nitrile)	- 30°C	+ 80°C	Air, inert gas, water R 134a, R 404a



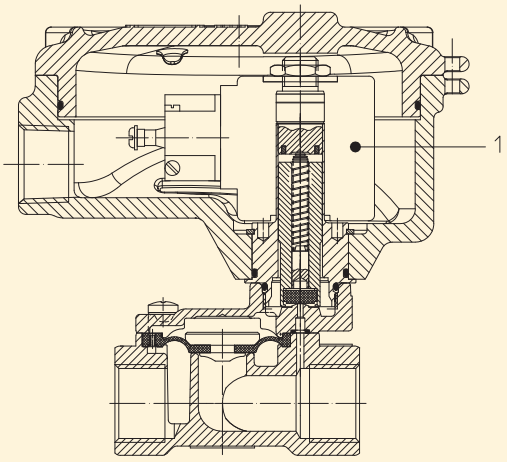
For seals other than NBR replace the letter “**B**” with the ones corresponding to the other seals. E.I. 21WA3KI**V**130.

Pipe ISO 228/1	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt		mm	l/mn	watt	bar	AC bar	DC bar
G 3/8	21WA3KI**B**130	12	~ 2	13	60	8	0,2	16	16
G 1/2	21WA4KI**B**130				70				

(According to Directive 2014/34/EU ATEX)
II 2G Ex d IIC T6 or T5 Gb
II 2D Ex tb IIIC T80°C or T95°C Db IP67

Note
Available on request and with minimum quantities.

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



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 series 400
Phase displacement ring	Copper - Cu 99,9%
Spring	Stainless steel AISI series 300
Seal	Standard: B=NBR On request: :V=FKM; E=EPDM ;F=H-NBR
Orifice	Brass - UNI EN 12165 CW617N
Coil housing:	Die cast and passivated Aluminium
Connector conformity	ISO 4400

FEATURES:

Electrical conformity	IEC 335
Protection degree	IP 67 EN 60529 (DIN 40050) if installed with cable gland Atex Ex d IP67 or higher.

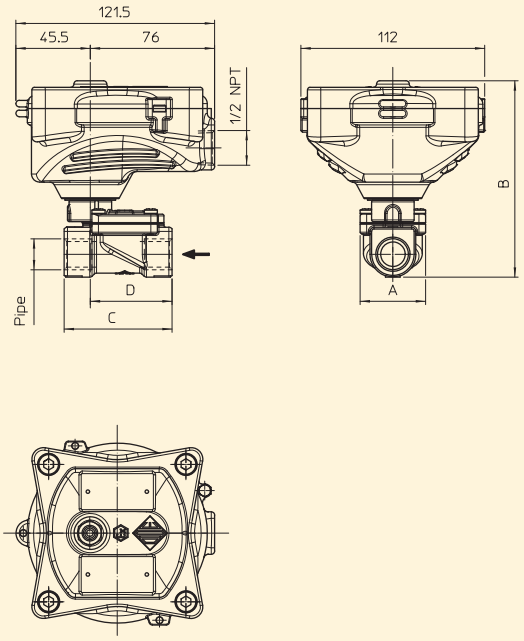
SPARE PARTS:

1. **Coil:**
   See coils list for Solenoid valves explosion proof Atex - Ex d

ACCESSORIES:

Code P992219 Cable Gland (to be ordered separately)

DIMENSIONS:



Type	Pipe ISO 228/1	A mm	B mm	C mm	D mm
21WA3KI**B**130	G 3/8	40	120	60	47
21WA4KI**B**130	G 1/2			66	50

COIL TYPE	POWER ABSORPTION		
	W ⎓	Hold VA ~	Inrush VA ~
B	8	14,5	25