



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

21WA3ZIB130
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21WA4ZIB130

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

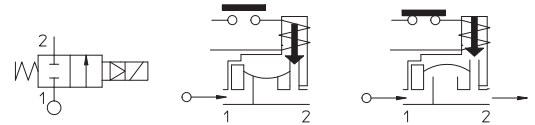
COIL: 8W - Ø 13
BDV 180°C (class H)

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. 21WA3ZIV130.



Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power watt	Pressure		
		cSt					min	M.O.P.D.	
							bar	AC bar	DC bar
G 3/8	21WA3ZIB130	12	~ 2	13	60	8	0,2	16	16
G 1/2	21WA4ZIB130								



(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.

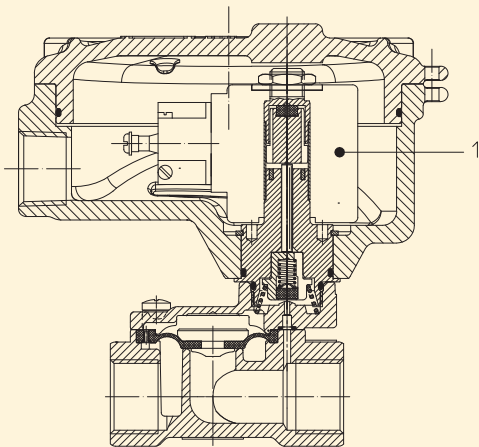
SPARE PARTS:

1. Coil:

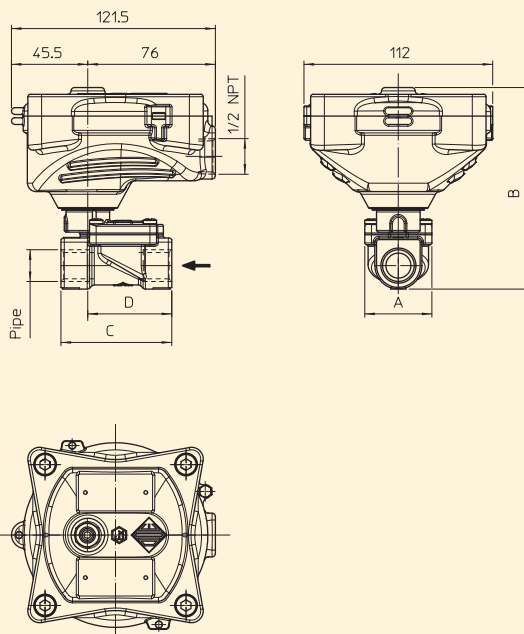
See coils list for
 Solenoid valves explosion
 proof Atex - Ex d

ACCESSORIES:

Code P992219 Cable Gland
 (to be ordered separately)



DIMENSIONS:



Type	Pipe ISO 228/1	A mm	B mm	C mm	D mm
21WA3ZIB130	G 3/8	40	120	60	47
21WA4ZIB130	G 1/2			66	50

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