Solenoid valve 2/2 way N.O.
Combined operation
Explosion proof - Atex Ex d

21X2ZI*V*120D ÷ 21X4ZI*V*250D

PRESENTATION:

Combined operation S.V. 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 0,1 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

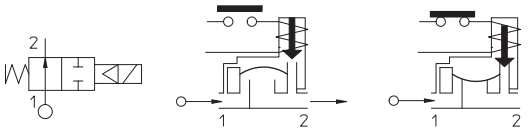
PIPES: G 1/2 - G 1

COIL: 8W - Ø 13
BDV 180°C (class H)

Max. allowable pressure (PS) 25 bar
Housing ambient temperature - 40°C + 60°C

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+ 80°C	Demineralized water, chemical products compatible with stainless steel
F=H-NBR (hydrogenated nitrile)	- 30°C	+ 80°C	Air, inert gas, water R 134a, R 404a

For seals other than FKM replace the letter “**V**” with the ones corresponding to the other seals. E.I. 21X2ZI***F***120D.

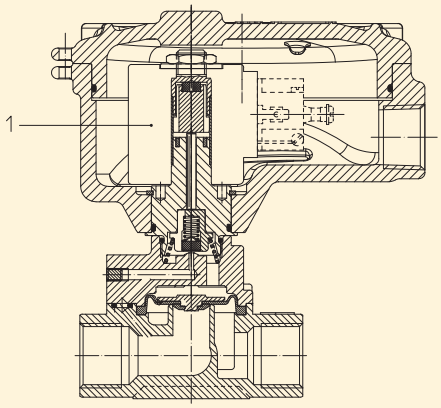


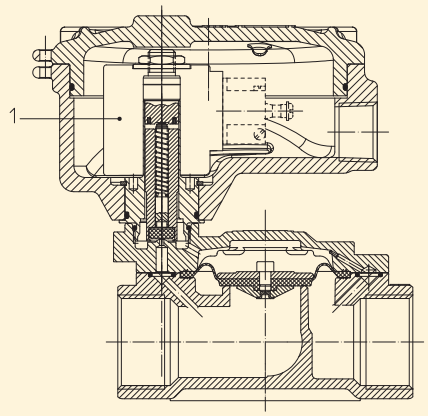
Pipe ISO 228/1	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
G 1/2	21X2ZI**V**120D	12	~ 2	12	35	8	0,1	20	20
G 3/4	21X3ZI**V**190D			19	130			16	16
G 1	21X4ZI**V**250D			25	160				

(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 notification.





MATERIALS:

Body	Stainless steel AISI 316
Armature Tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase displacement ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	Standard: V=FKM On request: F=H-NBR
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.

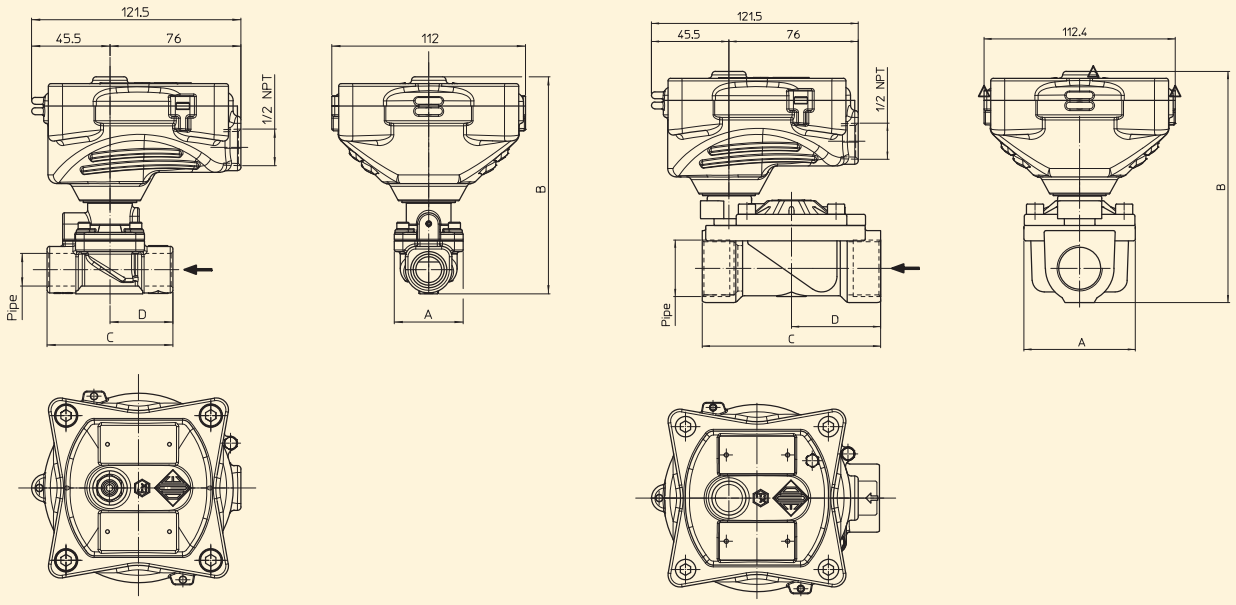
SPARE PARTS:

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
21X2ZI**V**120D	G 1/2	40	120	73	36,5
21X3ZI**V**190D	G 3/4	65	136	104	88,5
21X4ZI**V**250D	G 1				

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