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

21IH3KI*V*150 ÷ 21IH8KI*V*400

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.
Minimum operational pressure is not required.
The materials used and the tests carried out ensure maximum reliability and duration.



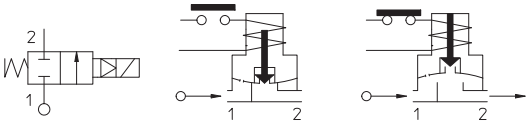
USE: Potentially explosive atmospheres
Zone 1, 2, 21, 22

PIPES: G 3/8 - G 1 1/2

COIL: 8W - Ø 13
BDV 180°C (class H)

Max. allowable pressure (PS) 16 bar
Housing ambient temperature - 40°C + 60°C

Gaskets	Temperature		Medium
V=FKM+ PA (fluorelastomer+polyamide)	- 10°C	+80°C	Mineral oils (2°E),gasoline gas oil
B=NBR (nitrile rubber) + PA (polyamide)	- 10°C	+ 80°C	Air, inert gas, water



For seals other than FKM replace the letter “**V**” with the ones corresponding to the other seals. E.I. 21IH3KI***B***150.

Pipe ISO 228/1	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/min	watt	bar	AC bar	DC bar
G 3/8	21IH3KI***V***150	12	~ 2	15	40	8	0	14	6
G 1/2	21IH4KI***V***160			16	50				
G 3/4	21IH5KI***V***200			20	60				
G 1	21IH6KI***V***250			25	140				3
G 1 1/4	21IH7KI***V***350			35	300			8	-
G 1 1/2	21IH8KI***V***400			40	320				

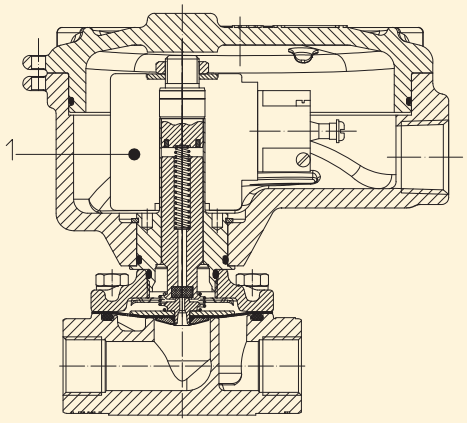
CE

CE Approval
(Pressure Equipment Directive 2014/68/EU)
for S.V. 21IH7÷21IH8

(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	Stainless steel AISI 316
Armature tube	Stainless steel AISI 316
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+PA On request: B=NBR+PA
Orificie	Stainless steel AISI 316
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

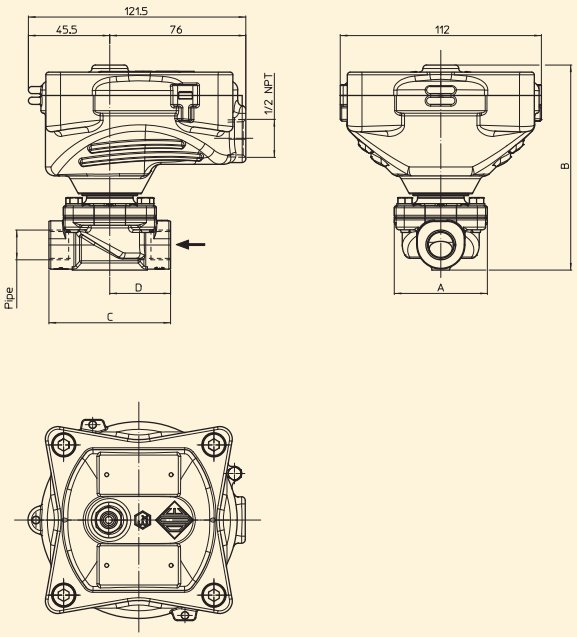
SPARE PARTS:

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
21IH3KI*V*150	G 3/8	52	114,5	68	34
21IH4KI*V*160	G 1/2				
21IH5KI*V*200	G 3/4	58	123	75	37,5
21IH6KI*V*250	G 1	65	131	90	45
21IH7KI*V*350	G 1 1/4	94	126,5	128	64
21IH8KI*V*400	G 1 1/2				

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