



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

21HN3KIV110-HT

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21HN6KIV250-HT

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: 3/8 NPT - 1 NPT

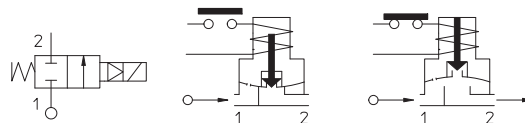
COIL: 8W - Ø 13
BDV 180°C (class H)

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



Gaskets	Temperature		Medium
V=FKM+ PA (fluorelastomer+poliamyde)	- 10°C	+80°C	Mineral oils (2°E),gasoline gas oil
Y=NBR + PA (nitrile rubber +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. 21HN3KIY110-HT.



Pipe ANSI/ASME Bl.20.1	Code	Max viscosity		Ø mm	Kv	Power	Pressure		
		cSt	°E		l/mn	watt	min bar	M.O.P.D	
				AC bar	DC bar				
3/8 NPT	21HN3KIV110-HT	12	~ 2	11	20	8	0	14	5
1/2 NPT	21HN4KIV160-HT			16	40				
3/4 NPT	21HN5KIV160-HT			25	120				
1 NPT	21HN6KIV250-HT				6			-	



(According to Directive 2014/34/EU ATEX)

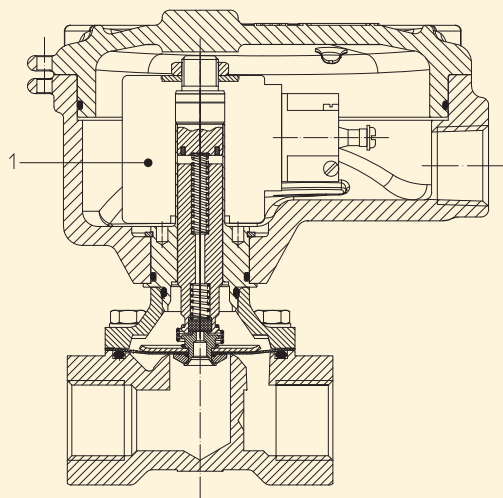
II 2G Ex d IIC T6 or T5 Gb

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: V=FKM+PA On request: Y=NBR+PA
Orificie	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:

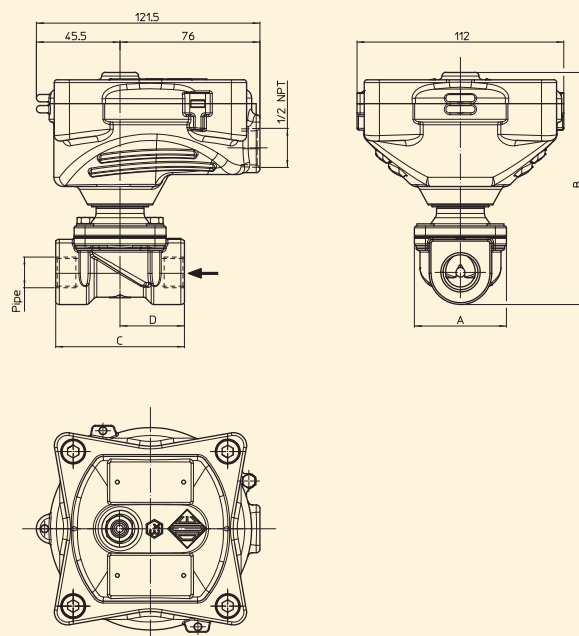
1. Coil:

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

ACCESSORIES:

Code P992219 Cable Gland
(to be ordered separately)

DIMENSIONS:



Type	Pipe	A mm	B mm	C mm	D mm
21HN3KIV110-HT	3/8 NPT	50	113	56	28
21HN4KIV160-HT	1/2 NPT		125	70	35
21HN5KIV160-HT	3/4 NPT				
21HN6KIV250-HT	1 NPT	65	131	104	52

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