Solenoid valve 2/2 way N.C.
Combined operation

21IN2K1*V*110-IH
÷
21IN8K1*V*400-IHS

PRESENTATION:

Combined operation S.V. for interception of fluids compatible with the construction materials.
Minimum operational pressure is not required.
The materials used and the tests carried out ensure maximum reliability and duration.

USE:

Automation - Heating - Chemistry

PIPES:

1/4 NPT - 1 1/2 NPT

COILS:

8W - Ø 13
BDA - BSA 155°C (class F)
BDV 180°C (class H)
12W - Ø 13
UDA 155°C (class F)
14W - Ø 13
GDA - GDS 155°C (class F)
GDH - GDV 180°C (class H)

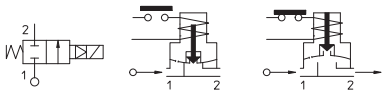
COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 16 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
V=FKM +PA (fluoroelastomer+polyamide)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oil
B= NBR + PA (nitrile rubber+polyamide)	- 10°C	+ 90°C	Air, inert gas, water

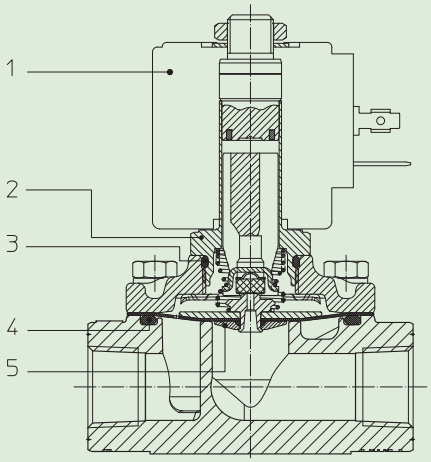
For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21IN3K1***B***150-IH.

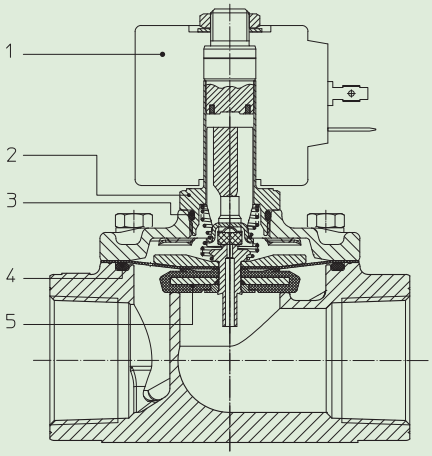
CE Approval
(Pressure Equipment Directive 2014/68/EU)
for S.V. 21IN7÷21IN8..-IHS



Pipe ANSI/ASME BI.20.1	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
1/4 NPT	21IN2K1***V***110-IH	12	~ 2	11	20	8	0	14	6
						12		-	14
3/8 NPT	21IN3K1***V***150-IH			15	40	8		14	6
						12		-	14
1/2 NPT	21IN4K1***V***160-IH			16	50	8		14	6
						12		-	14
3/4 NPT	21IN5K1***V***200-IH			20	60	8		14	6
						12		-	14
1 NPT	21IN6K1***V***250-IH			25	140	8		14	3
						12		-	8
						14		-	14
1 1/4 NPT	21IN7K1***V***350-IH			35	300	8		8	-
						12		14	-
						14		-	2
	21IN7K1***V***350-IHS				250	8		-	1
						12		-	4
						14		-	7
1 1/2 NPT	21IN8K1***V***400-IH			40	320	8		8	-
						12		14	-
						14		-	2
	21IN8K1***V***400-IHS				250	8		-	1
						12		-	4
						14		-	7

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
On request:	
Connector	Pg 9 o Pg 11
Connector conformity	ISO 4400

FEATURES:

Electrical conformity	IEC 335
Protection degree	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

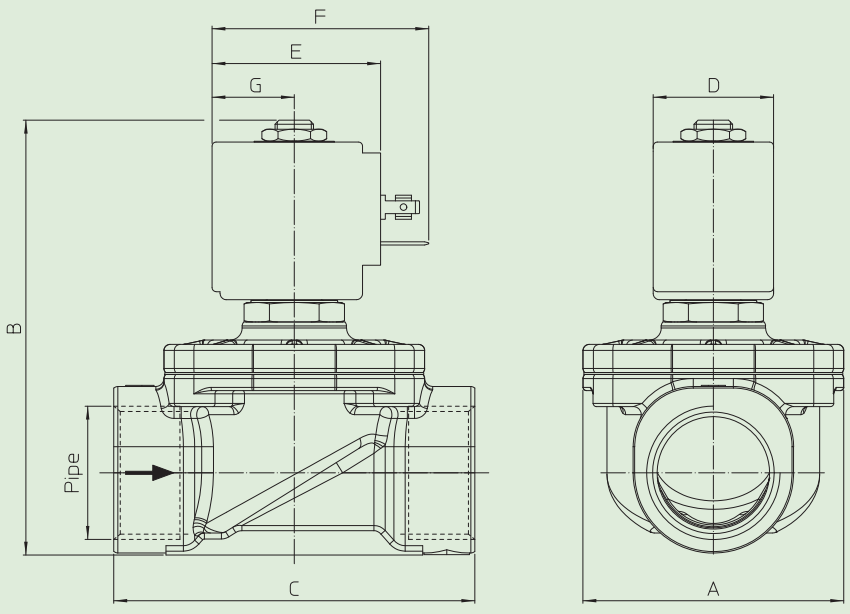
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   Code R450811
3. **Gasket O-Ring:**
   Code R990000/***V***
4. **Gasket O-Ring:**
   1/4÷1/2 NPT Code R990105/***V***
   3/4 NPT Code R992103/***V***
   1 NPT Code R992109/***V***
   1 1/4÷1 1/2 NPT Code R992101/***V***
5. **Complete diaphragm with plunger:**
   1/4÷1/2NPT Code R452894/***V***
   3/4 NPT Code R452899/***V***
   1 NPT Code R452846/***V***
   1 1/4÷1 1/2 NPT Code R452904/***V***

MAINTENANCE KIT:

1/4 ÷ 1/2 NPT
KTGIH3K1***V***15=**4+5**
3/4 NPT
KTGIH5K1***V***20=**4+5**
1 NPT
KTGIH6K1***V***25=**4+5**
1 1/4 ÷ 1 1/2 NPT
KTGIH7K1***V***35=**4+5**

DIMENSIONS:



Type	Pipe	A mm	B mm	C mm
21IN2K1***V***110-IH	1/4 NPT	52	87	56
21IN3K1***V***150-IH	3/8 NPT		92	68
21IN4K1***V***160-IH	1/2 NPT			
21IN5K1***V***200-IH	3/4 NPT	58	100	75
21IN6K1***V***250-IH	1 NPT	65	109	90
21IN7K1***V***350-IH	1 1/4 NPT	94	126	128
21IN7K1***V***350-IHS				
21IN8K1***V***400-IH	1 1/2 NPT			
21IN8K1***V***400-IHS				

COIL TYPE	POWER ABSORPTION			DIMENSIONS			
	W ⎓	Hold VA ~	Inrush VA ~	D mm	E mm	F mm	G mm
B	8	14,5	25	30	42	54	20,5
U	12	23	35	36	48	60	23,5
G	14	27	43	52	55	67	25

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