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

21H11K0*V*120 ÷ 21H14K0*V*250-S

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 undertaken ensure maximum reliability and duration.

USE: Automation
Heating

PIPES: G 3/8 - G 1

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		
GDH - GDV	180°C	(class H)

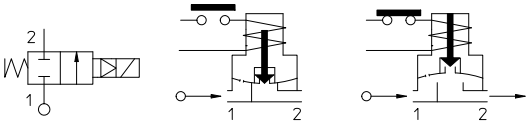
COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS)

G 3/8 - G 1/2	20 bar
G 3/4 - G 1	16 bar

Ambient temperature:
See coils catalogue page for its compatibility.

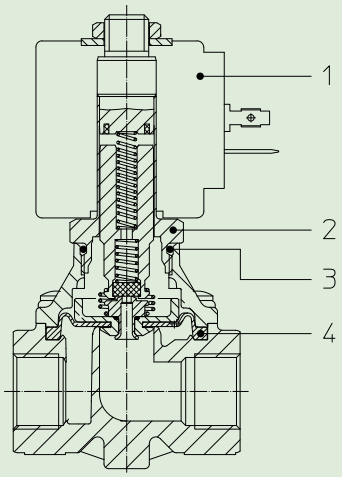
Gaskets	Temperatur		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oil
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water
E=EPDM (ethylene-propylene)	- 10°C	+140°C	Water, low pressure steam

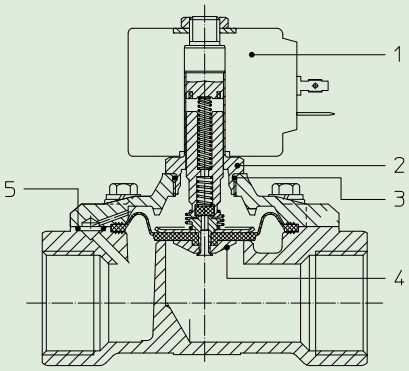


For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21H11K0**B**120.

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 3/8	21H11K0**V**120	12	~ 2	12	28	8	0	16	1,5
						12		20	6
						14			15
G 1/2	21H12K0**V**120				32	8		16	1,5
						12		20	6
						14			15
G 3/4	21H13K0**V**190			19	70	8		5	-
						12		12	
						14		15	
	* 21H13K0**V**190-S				65	12		-	1,5
						14			6
G 1	21H14K0**V**250			25	105	8		5	-
						12		12	
						14		15	
	* 21H14K0**V**250-S				95	12		-	1
						14			6

Note
* For DC only.





MATERIALS:

Body	Brass - UNI EN 12165 CW617N
Welded 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 On request: B=NBR E=EPDM
Orifice	Brass - UNI EN 12165 CW617
On request:	
Connector	Pg 9 or Pg 11
Connector conformity	ISO 4400

FEATURES:

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

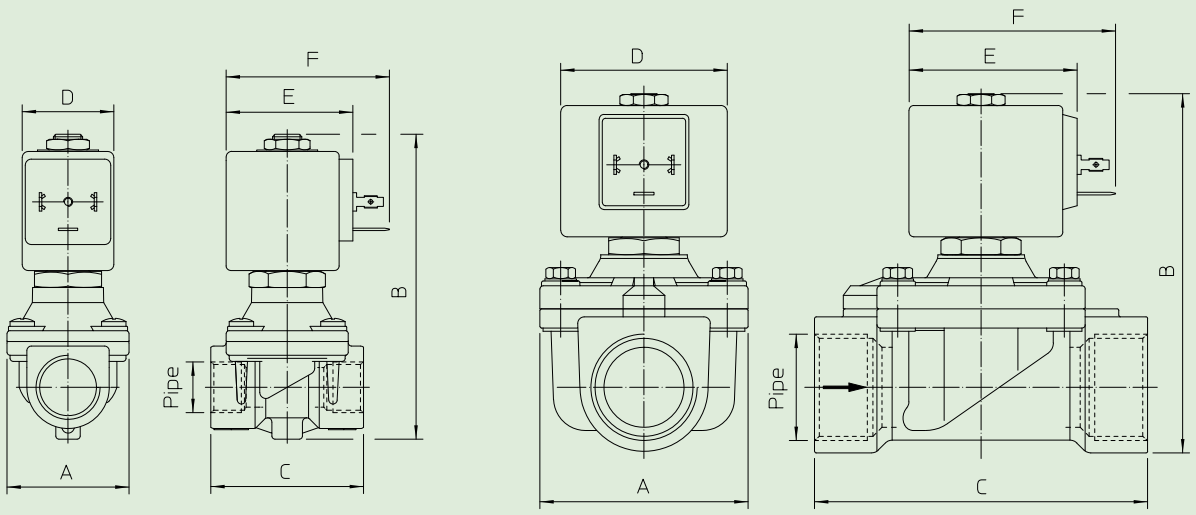
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete armature tube without gasket:**
   Code R450603
3. **Gasket O-Ring :**
   Code R990000/***V***
4. **Complete diaphragm with plunger:**
   G 3/8 -G 1/2 Code R452127/***V***
   G 3/4 -G 1 Code R452128/***V***
5. **Gasket O-Ring :**
   G 3/4-G 1 Code R990002/

MAINTENANCE KIT:

G 3/8÷G 1/2
KTGH11K0***V***12=***4***
G 3/4÷G 1
KTGH13K0***V***19=***4+5***

DIMENSIONS:



Type	Pipe ISO 228/1	A mm	B mm	C mm
21H11K0**V**120	G 3/8	40	100	50
21H12K0**V**120	G 1/2			
21H13K0**V**190	G 3/4	65	105	104
21H14K0**V**250	G 1		112	

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

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

21IH3K1*V*150 ÷ 21IH8K1*V*400-S

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: G 3/8 - G 1 1/2

COILS:

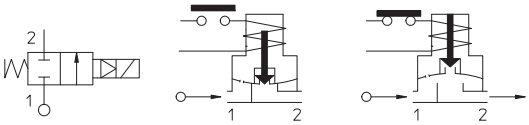
8W - Ø 13	
BDA - BSA	155°C (class F)
BDV	180°C (class H)
12W - Ø 13	
UDA	155°C (class F)
14W - Ø 13	
GDA - GDS	155°C (class F)
GDH - GDV	180°C (class H)

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.

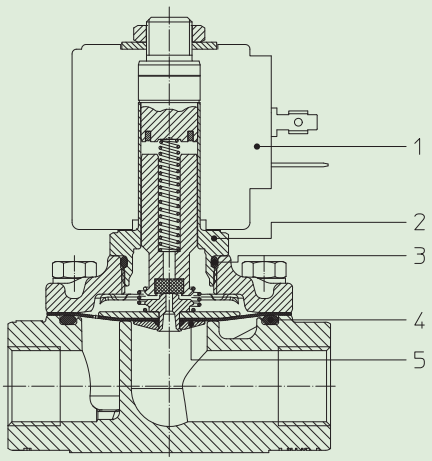
Gaskets	Temperature		Medium
V=FKM + PA (fluoroelastomer+polyamide)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oil
B= NBR + PA (nitrile rubber+polyamide)	- 10°C	+ 90°C	Air, inert gas, water

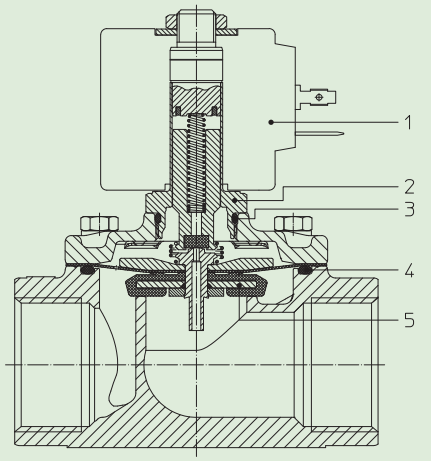
For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21IH3K1***B***150.



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 3/8	21IH3K1***V***150	12	~ 2	15	40	8	0	14	6
						12		-	14
G 1/2	21IH4K1***V***160			16	50	8		14	6
						12		-	14
G 3/4	21IH5K1***V***200			20	60	8		14	6
						12		-	14
G 1	21IH6K1***V***250			25	140	8		14	3
						12		-	8
						14		-	14
G 1 1/4	21IH7K1***V***350			35	300			14	-
	21IH7K1***V***350-S				250			-	7
G 1 1/2	21IH8K1***V***400			40	320			14	-
	21IH8K1***V***400-S				250			-	7

CE Approval
(Pressure Equipment Directive 97/23/CE)
for S.V. 21IH7÷21IH8..-S





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.

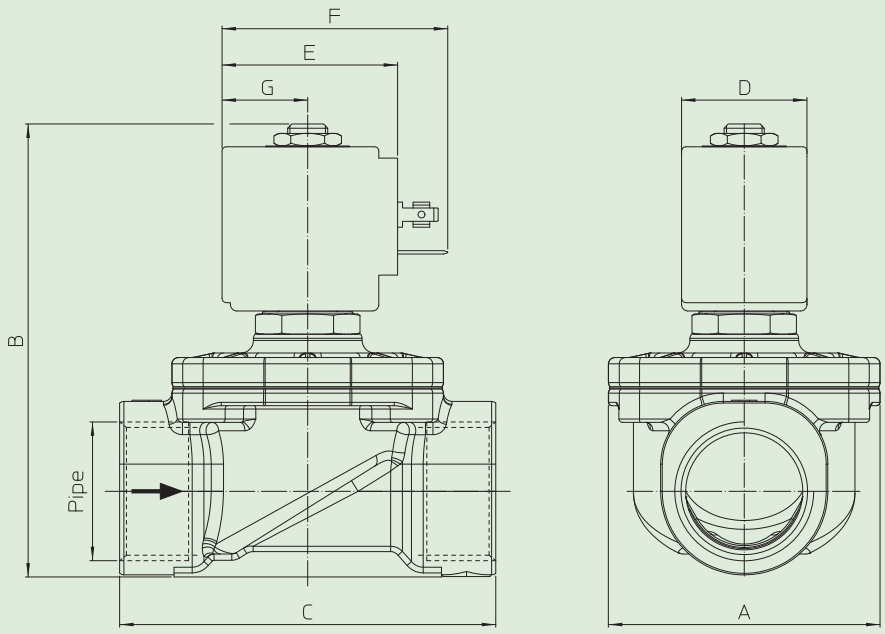
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   Code R450811
3. **Gasket O-Ring:**
   Code R990000/***V***
4. **Gasket O-Ring:**
   G 3/8÷G1/2 Code R990105/***V***
   G 3/4 Code R992103/***V***
   G 1 Code R992109/***V***
   G 1 1/4 ÷ G 1 1/2 Code R992101/***V***
5. **Complete diaphragm with plunger:**
   G 3/8÷G1/2 Code R452894/***V***
   G 3/4 Code R452899/***V***
   G 1 Code R452846/***V***
   G 1 1/4÷ G 1 1/2 Code R452904/***V***

MAINTENANCE KIT:

G 3/8 ÷ G 1/2
KTGIH3K1***V***15=**4+5**
G 3/4
KTGIH5K1***V***20=**4+5**
G1
KTGIH6K1***V***25=**4+5**
G 1 1/4 ÷ G 1 1/2
KTGIH7K1***V***35=**4+5**

DIMENSIONS:



Type	Pipe ISO 228/1	A mm	B mm	C mm
21IH3K1***V***150	G 3/8	52	92	68
21IH4K1***V***160	G 1/2			
21IH5K1***V***200	G 3/4	58	100	75
21IH6K1***V***250	G 1	65	109	90
21IH7K1***V***350	G 1 1/4	94	126	128
21IH7K1***V***350-S				
21IH8K1***V***400	G 1 1/2			
21IH8K1***V***400-S				

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