



# Solenoid valve 2/2 way N.C. With pilot control

21H7KV120  
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21H8KV120

## PRESENTATION:

S.V. with pilot control for interception of fluids compatible with the construction materials.

A minimum operational pressure of 0,1 bar is required.

The materials used and the tests carried out ensure maximum reliability and duration.

**USE:** Automation  
Heating

**PIPES:** G 3/8 - G 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	
GDH - GDV	180°C (class H)

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

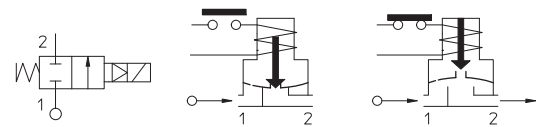
Max. allowable pressure (PS) 20 bar

Ambient temperature:

See coils catalogue page for its compatibility.



Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oils
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. 21H7KE120.

Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power watt	Pressure			
		cSt	°E				min bar	M.O.P.D. AC bar DC bar		
G 3/8	21H7KV120	12	~ 2	12	35	8	0,1	20	10	
						12			20	
						14			10	
G 1/2	21H8KV120	12	~ 2	12	45	8	0,1	20	10	
						12			20	
						14			20	

The "ODE" reserves the right to carry out technical and aesthetic modifications without prior notice.

## 21H7- H8 version with screwed armature tube

### MATERIALS:

<b>Body</b>	Brass - UNI EN 12165 CW617N
<b>Arature tube</b>	Stainless steel AISI series 300
<b>Fixed core</b>	Stainless steel AISI series 400
<b>Plunger</b>	Stainless steel AISI series 400
<b>Phase displacement ring</b>	Copper - Cu 99,9%
<b>Spring</b>	Stainless steel AISI series 300
<b>Seal</b>	Standard: V=FKM On request: B=NBR E=EPDM
<b>Orifice</b>	Brass - UNI EN 12165 CW617N

### On request:

<b>Connector</b>	Pg 9 or Pg 11
<b>Connector conformity</b>	ISO 4400

### FEATURES:

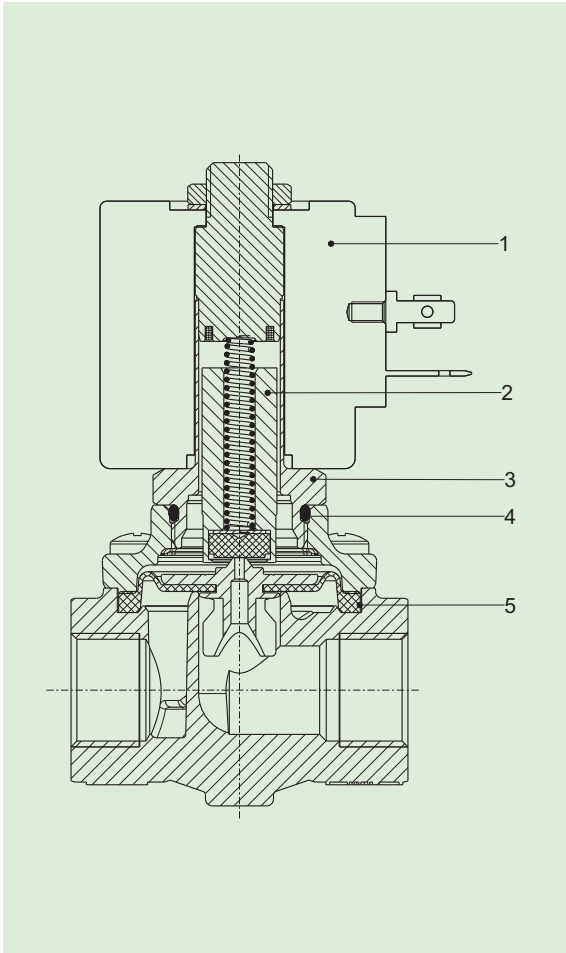
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

### SPARE PARTS:

- Coil:**  
See coils list
- Complete plunger:**  
Code R451284/V
- Complete armature tube:**  
Code R450603
- Gasket O-Ring:**  
Code R990000/VX
- Complete diaphragm:**  
Code R453704/V

### MAINTENANCE KIT:

KTG0H7KV12-2=2+5



## 21H7- H8 version with cover and armature tube braze-welded (discontinued)

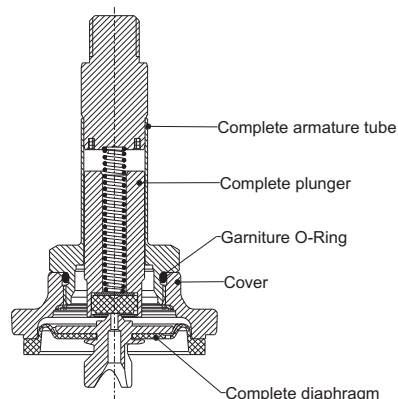
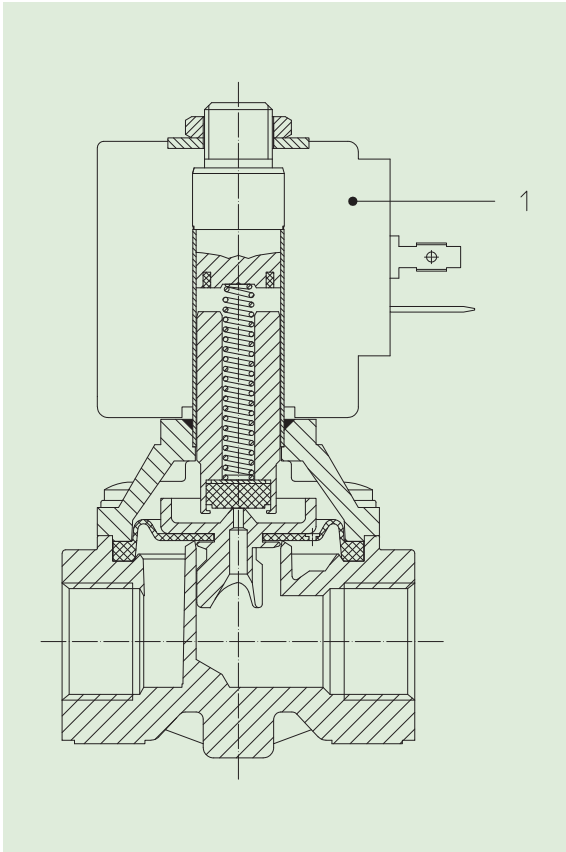
### SPARE PARTS:

- Coil:**  
See coils list

### MAINTENANCE | TRASFORMATION KIT:

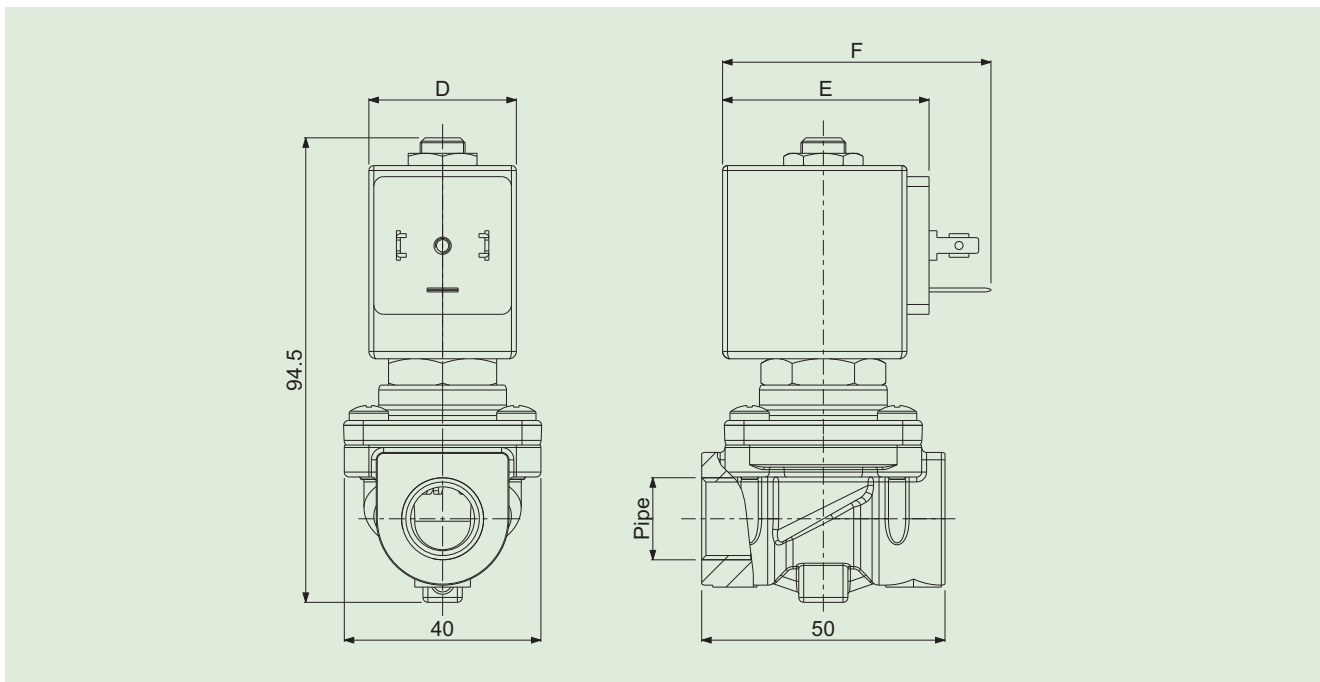
KTEH7K0V12

IN CASE OF REPLACEMENT OF THE COMPLETE DIAPHRAGM,  
IT IS NECESSARY TO REPLACE THE FOLLOWING COM-  
PONENTS:



THE S.V. WITH BRAZE-WELDED COVER WILL BE TRAN-  
SFORMED INTO S.V. WITH SCREW-ON COVER.

## DIMENSIONS:



Type	Pipe ISO 228/1
21H7KV120	G 3/8
21H8KV120	G 1/2

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