



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

21WN3K0B130

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21WN9KB500

## PRESENTATION:

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

A minimum operational pressure of 0,2 bar is required.

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

**USE:** Automation  
Heating

**PIPES:** 3/8 NPT - 2 NPT

**COILS:** 8W - Ø 13  
BDA - BDS - BSA 155°C (class F)  
BDP 160°C (high temperature)  
BDF - BDV 180°C (class H)

**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**

Max. allowable pressure (PS)

3/4 NPT - 1 NPT 25 bar

1 1/4 NPT - 2 NPT 16 bar

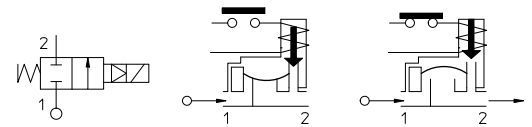
Environment temperature:

with coil class F or high temperature - 10°C + 60°C

with coil class H - 10°C + 80°C



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



For seals other than NBR replace the letter "B" with the ones corresponding to the other seals. E.I. 21WN5KV190.

Pipe ANSI/ASME BI.20.1	Code	Max viscosity		Ø mm	Kv l/mn	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D. AC bar DC bar	
3/8 NPT	21WN3K0B130	12	~ 2	13	60	8	0,2	16	16
1/2 NPT	21WN4K0B130				70				
3/4 NPT	21WN5KB190			19	140				
1 NPT	21WN6KB250			25	190				
1 1/4 NPT	21WN7KB350			35	400				
1 1/2 NPT	21WN8KB400			40	520				
2 NPT	21WN9KB500			50	750				



**CE Approval**

(Pressure Equipment Directive 97/23/CE)

for S.V. 21WN7+21WN9

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

### MATERIALS:

<b>Body</b>	Brass - UNI EN 12165 CW617N
<b>Armature 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>	B=NBR
<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:

<b>1. Coil:</b>	1 1/4-1 1/2 NPT Code R450466/B
See coils list	2 NPT Code R450432/B
<b>2. Complete plunger:</b>	Code R450886/B
<b>3. Complete armature tube:</b>	Code R450606
<b>4. Gasket O-Ring:</b>	3/8 -1/2 NPT Code R990300/B
	3/4 -1 NPT Code R990002/B
	1 1/4 -1 1/2 NPT Code R990005/B
	2 NPT Code R990081/B
<b>5. Complete diaphragm:</b>	3/8 -1/2 NPT Code R452186/B
	3/4 - 1 NPT Code R450431/B

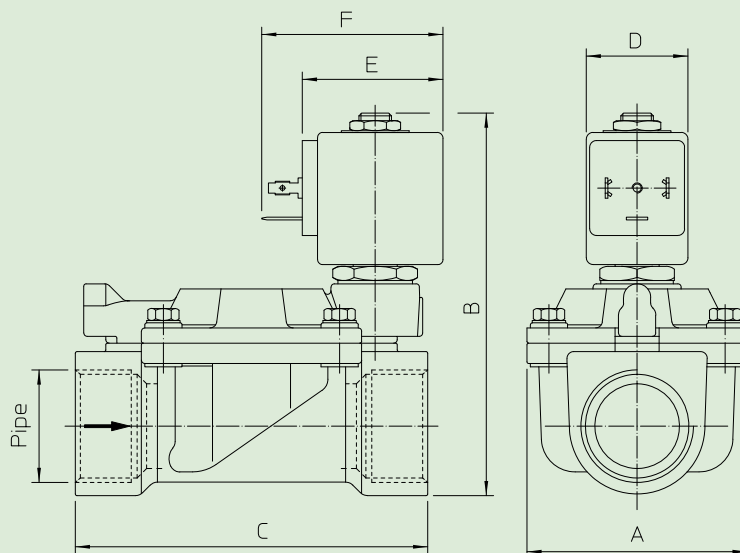
### KIT:

KT130KB30-A=2+3

### MAINTENANCE KIT:

3/8 - 1/2 NPT  
KTGWA3K0B13=2+4+5  
3/4 - 1 NPT  
KTG0W3KB19=2+4+5  
1 1/4 - 1 1/2 NPT  
KTG0W5KB35=2+4+5  
2 NPT  
KTG0W7KB50=2+4+5

### DIMENSIONS:



Type	Pipe	A mm	B mm	C mm
21WN3K0B130	3/8 NPT	40	97	60
21WN4K0B130	1/2 NPT			66
21WN5KB190	3/4 NPT	65	105	104
21WN6KB250	1 NPT			
21WN7KB350	1 1/4 NPT	98	125	144
21WN8KB400	1 1/2 NPT			
21WN9KB500	2 NPT	118	141	172

COIL W ==	POWER ABSORPTION		TYPE	DIMENSIONS		
	Inrush VA ~	Hold VA ~		D mm	E mm	F mm
8 W	25	14,5	B	30	42	54