



# Solenoid valve 2/2 way N.C. Direct acting

21A3KV15  
÷  
21A2KV55

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/8 - G 1/4

**COILS:** 8W - Ø 13 (1)  
BDA - BDS - BSA 155°C (class F)  
BDF - BDV 180°C (class H)  
12W - Ø 13  
UDA 155°C (class F)  
14W - Ø 13  
GDH - GDV 180°C (class H)  
(1) Explosion-proof housing for coils with electrical connections EN 175301-803 on request.

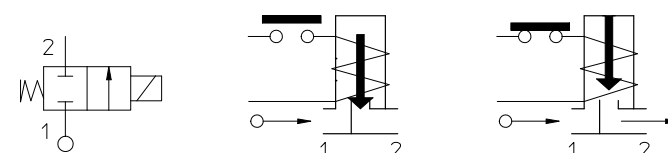


**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water
E=EPDM (ethylene-propylene)	- 10°C	+140°C	Water, steam

Max. allowable pressure (PS) 40 bar  
Ambient temperature:  
with coils class F - 10°C + 60°C  
with coils class H - 10°C + 80°C

For seals other than FKM replace the letter "V" with the ones corresponding to the other seals. E.I. 21A2KE20.



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 1/8	21A3KV15	12	~ 2	1,5	1,4	8	0	30	18		
	21A3KV20	37	~ 5	2	2	12		22	16		
						14		35	30		
	21A3KV25	53	~ 7	2,5	3,2	8		14	9		
						12		30	25		
	21A3KV30	53	~ 7	3	4	8		10	6		
						12		25	18		
	21A3KV45	53	~ 7	4,5	6,5	14		25	20		
						8		5	2		
	G 1/4	21A2KV15	12	~ 2	1,5	1,4		8	0	30	18
		21A2KV20	37	~ 5	2	2		12		22	16
								14		35	30
21A2KV25		53	~ 7	2,5	3,2	8	14	9			
						12	30	25			
21A2KV30		53	~ 7	3	4	8	10	6			
						12	25	18			
21A2KV45		53	~ 7	4,5	6,5	14	25	20			
						8	5	2			
21A2KV55		53	~ 7	5,5	9	12	12	7			
						8	3	1			
								7		2,5	
								10	5		

**Note** Also available with brass body without lead.

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>	Standard: V=FKM On request: B=NBR E=EPDM

<b>Orifice:</b>	
≤ 3 mm	Insert slot
> 3 mm	Stainless steel AISI series 300
	Brass - UNI EN 12165 CW617N

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

## FEATURES:

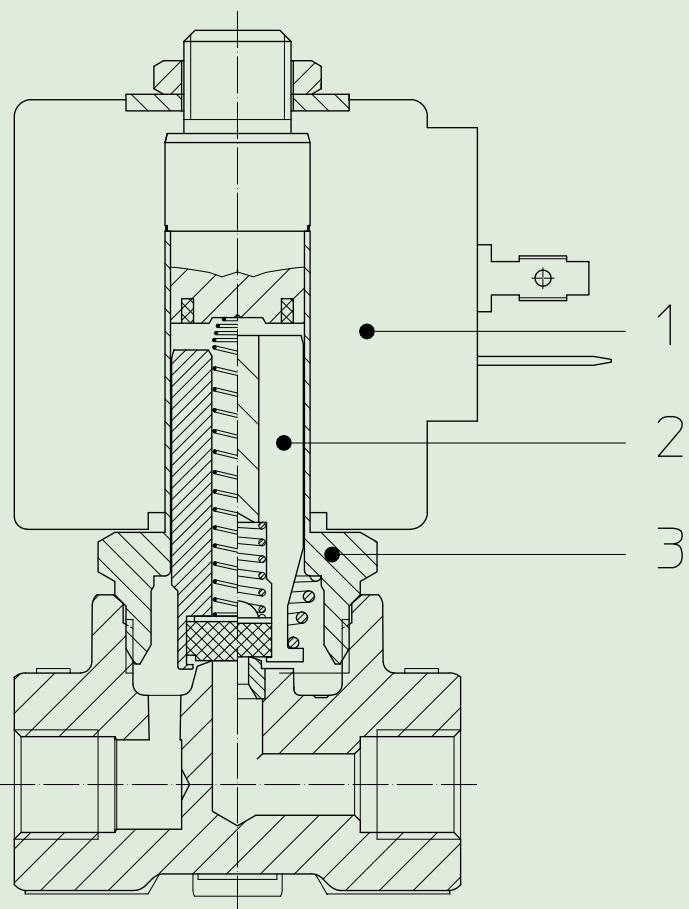
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

## SPARE PARTS:

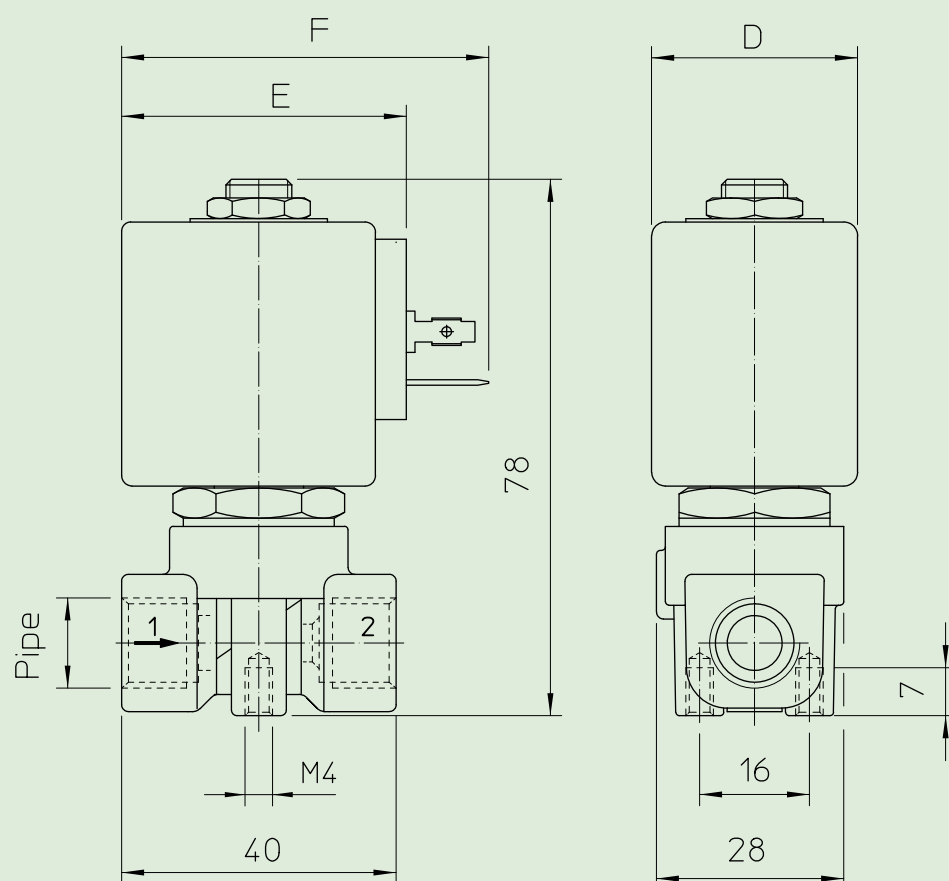
- Coil:**  
See coils list
- Complete plunger:**  
For orifice ≤ 3 mm  
Code R450886/V  
For orifice > 3 mm  
Code R450898/V
- Complete armature tube:**  
Code R450606

## KIT:

- ≤ 3 mm  
KT130KV30-A=2+3
- > 3 mm  
KT130KV55-A=2+3



## DIMENSIONS:



Type	Pipe ISO 228/1
21A3KV	G 1/8
21A2KV	G 1/4

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. Direct acting

21A2KV30-W  
÷  
21A2KV55-W

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/4

**COILS:**

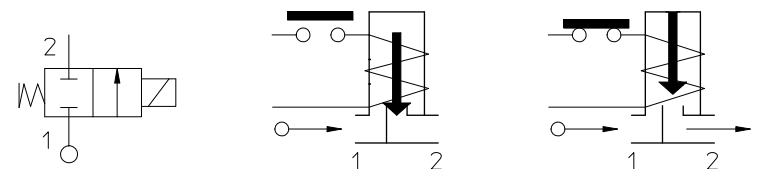
8W - Ø13	
BDA - BDS -BSA	155°C (class F)
BDF - BDV	180°C (class H)
12W - Ø 13	
UDA	155°C (class F)
14W - Ø 13	
GDH - GDV	180°C (class H)



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

Max. allowable pressure (PS)	40 bar
Environment temperature:	
with coil class <b>F</b>	- 10°C + 60°C
with coil class <b>H</b>	- 10°C + 80°C

Gaskets	Temperature		Medium
<b>V</b> =FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
<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, steam



For seals other than FKM replace the letter "V" with the ones corresponding to the other seals. E.I. 21A2KB30-W.

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 1/4	21A2KV30-W	53	~ 7	3	4	8	0	18	13
	21A2KV45-W							10	5
								17	8
				18	16				
	21A2KV55-W			5,5	9			7	2
								10	3,5
								13	7

## Note

Available on request and with minimum quantities.  
Also available with brass body without lead.

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

### 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  
 On request: B=NBR E=EPDM

**Orifice:**  
 ≤ 3 mm **Insert slot** Stainless steel AISI series 300  
 > 3 mm Brass - UNI EN 12165 CW617N

**On request:**  
**Connector** Pg 9 or Pg 11  
**Connector conformity** ISO 4400

### FEATURES:

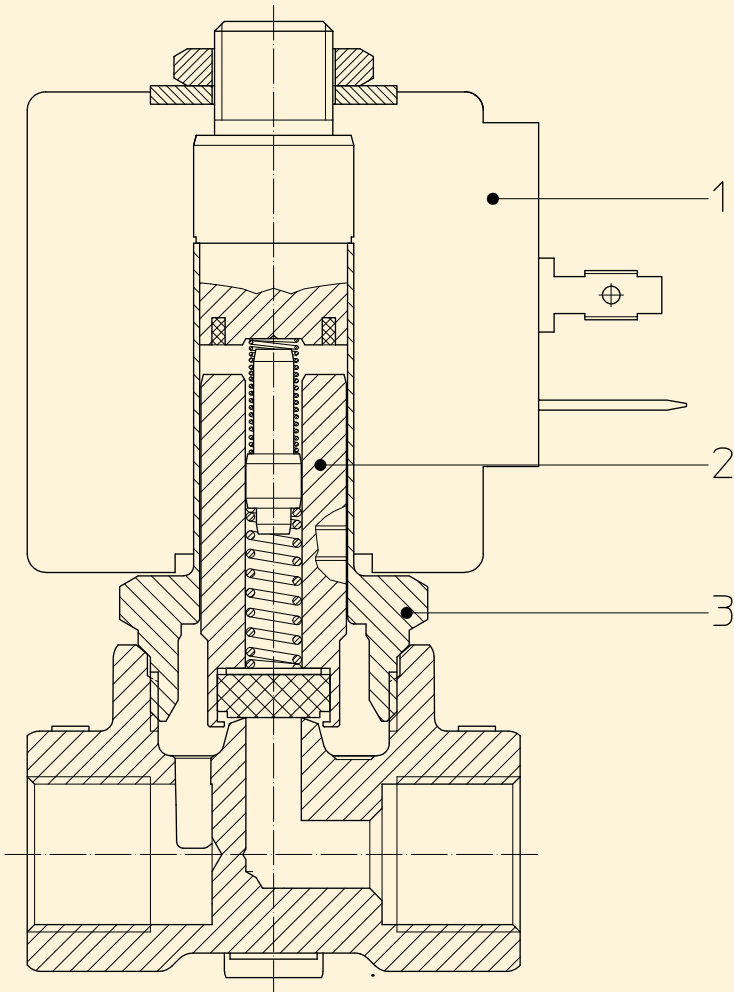
**Electrical conformity** IEC 335  
**Protection degree** IP 65 EN 60529 (DIN 40050)  
 with coil fitted by connector.

### SPARE PARTS:

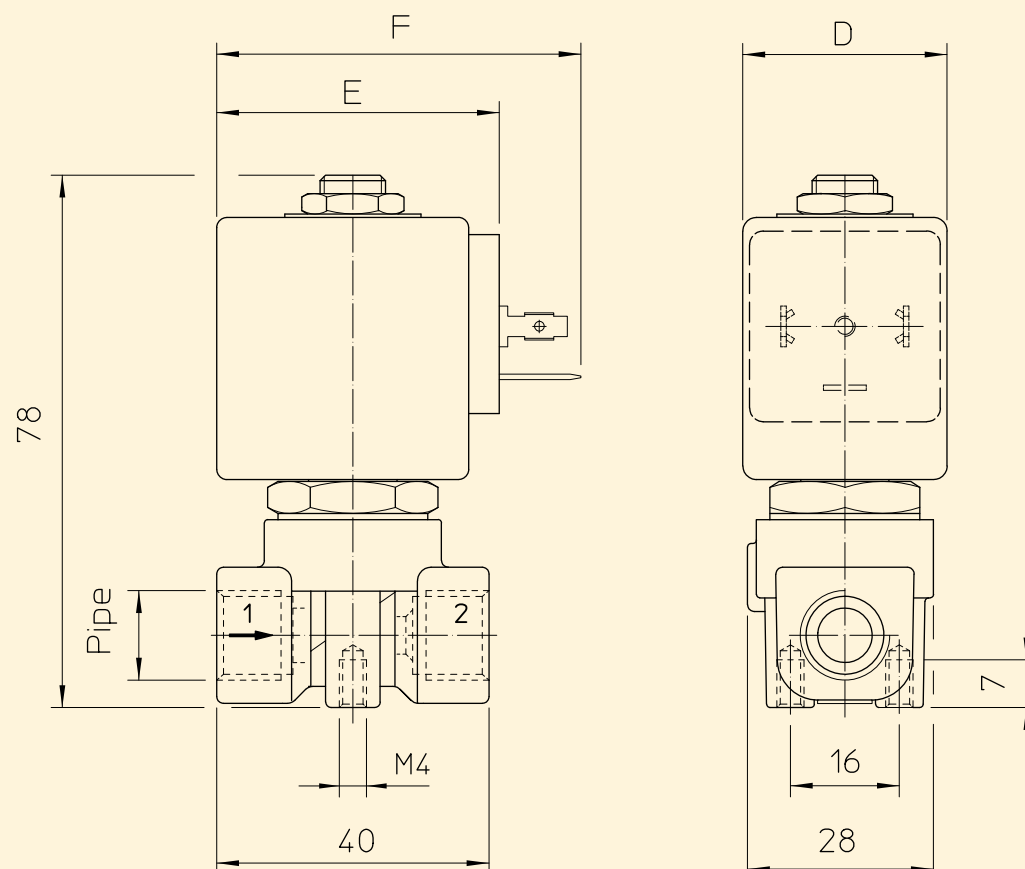
1. **Coil:**  
See coils list
2. **Complete plunger:**  
Code R450898/V-2561
3. **Complete armature tube:**  
Code R450606

### KIT:

KT130KV55-AM=2+3



### DIMENSIONS:



Typ	Pipe ISO 228/1
21A2KV30-W	G 1/4
21A2KV45-W	
21A2KV55-W	

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. Direct acting

212A3KV15  
÷  
212A2KV55

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/8 - G 1/4

**COILS:**

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

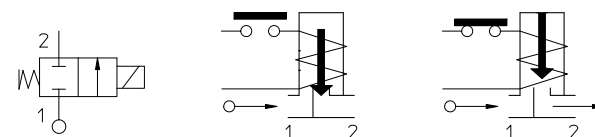
**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**



Gaskets	Temperature	Medium
V=FKM (fluoroelastomer)	- 10°C +140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C + 90°C	Air, inert gas, water

Max. allowable pressure (PS) 40 bar  
Ambient temperature:  
with coil class F - 10°C + 60°C  
with coil class H - 10°C + 80°C

For seals other than FKM replace the letter "V" with the ones corresponding to the other seals. E.I. 212A2KB15.



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 1/8	212A3KV15	12	~ 2	1,5	1,4	8	0	30	18		
	212A3KV20	37	~ 5	2	2	12		22	16		
						14		35	30		
	212A3KV25	53	~ 7	2,5	3,2	8		14	9		
						12		30	25		
	212A3KV30	53	~ 7	3	4	8		10	6		
						12		25	18		
	212A3KV45	53	~ 7	4,5	6,5	14		5	2		
						8		12	7		
	G 1/4	212A2KV15	12	~ 2	1,5	1,4		8	0	30	18
		212A2KV20	37	~ 5	2	2		12		22	16
								14		35	30
212A2KV25		53	~ 7	2,5	3,2	8	14	9			
						12	30	25			
212A2KV30		53	~ 7	3	4	8	10	6			
						12	25	18			
212A2KV45		53	~ 7	4,5	6,5	14	5	2			
						8	12	7			
212A2KV55		53	~ 7	5,5	9	8	3	1			
						12	7	2,5			
							14	10		5	

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

### MATERIALS:

**Body** Brass - UNI EN 12165 CW617N  
**Welded armature tube** Stainless steel AISI series 300 +  
 Brass - UNI EN 12165 CW617N  
**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

**Orifice:**  
 ≤ 3 mm **Insert slot** Stainless steel AISI series 300  
 > 3 mm Brass - UNI EN 12165 CW617N

**On request:**  
**Connector** Pg 9 or Pg 11  
**Connector conformity** ISO 4400

### FEATURES:

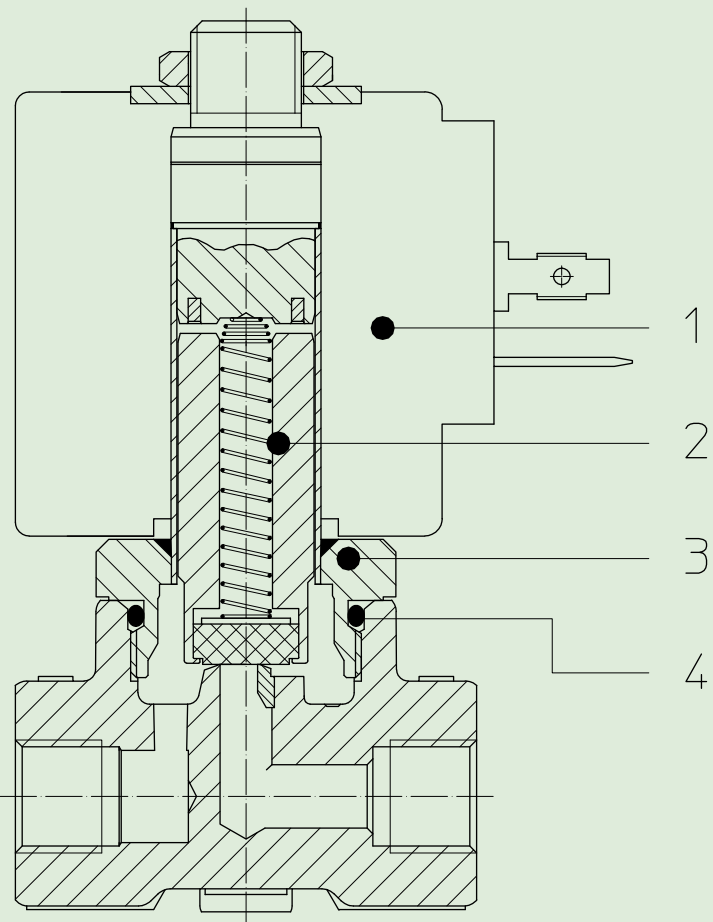
**Electrical conformity** IEC 335  
**Protection degree** IP 65 EN 60529 (DIN 40050)  
 with coil fitted by connector.

### SPARE PARTS:

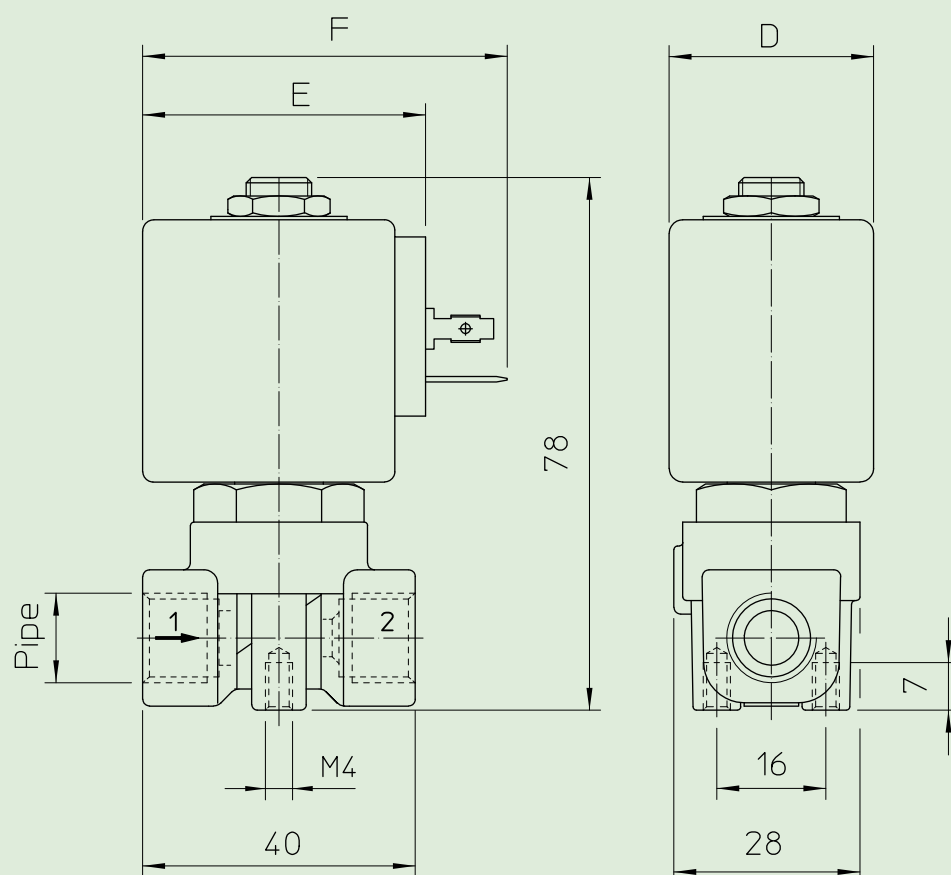
1. **Coil:**  
See coils list
2. **Complete plunger:**  
Code R450898/V
3. **Complete armature tube:**  
Code R450691
4. **Gasket O-Ring:**  
Code R990000/V

### KIT:

KS130KV55-F= 2+3+4



### DIMENSIONS:



Type	Pipe ISO 228/1
212A3KV	G 1/8
212A2KV	G 1/4

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. Direct acting

21A3KR15  
÷  
21A2KR30

## PRESENTATION:

Direct acting 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:** Hot water, Heating  
Steam (180°C)

**PIPES:** G 1/8 - G 1/4

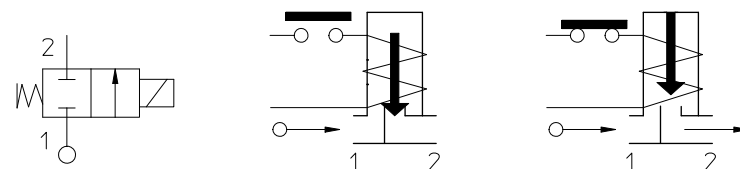
**COILS:** 8W - Ø 13  
BDA - BDS - BSA 155°C (class F)  
BDF - BDV 180°C (class H)

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

Max. allowable pressure (PS) 40 bar  
Ambient temperature:  
with coil class **F** - 40°C + 60°C  
with coil class **H** - 40°C + 80°C



Gaskets	Temperature		Medium
R=RUBY	- 40°C	+180°C	Steam, water, mineral oils (2°E), gas oil, fuel oils (7°E)
T=PTFE (polytetrafluorethylen)	- 40°C	+180°C	Steam, water



For seals other than RUBY replace the letter "R" with the ones corresponding to the other seals. E.I. 21A3KT15.

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 1/8	21A3KR15	12	~ 2	1,5	1,4	8	0	35	15
	21A3KR20	37	~ 5	2	2			25	9
	21A3KR25	53	~ 7	2,5	3,2			14	5
	21A3KR30			3	4			10	4
G 1/4	21A2KR15	12	~ 2	1,5	1,4			35	15
	21A2KR20	37	~ 5	2	2			25	9
	21A2KR25	53	~ 7	2,5	3,2			14	5
	21A2KR30			3	4			10	4

## Note

Also available with brass body without lead.

The use of rigid sealings usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar.

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>	Standard: R=RUBY On request: T=PTFE
<b>Orifice: Insert slot</b>	Stainless steel AISI series 300

## On request:

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

## FEATURES:

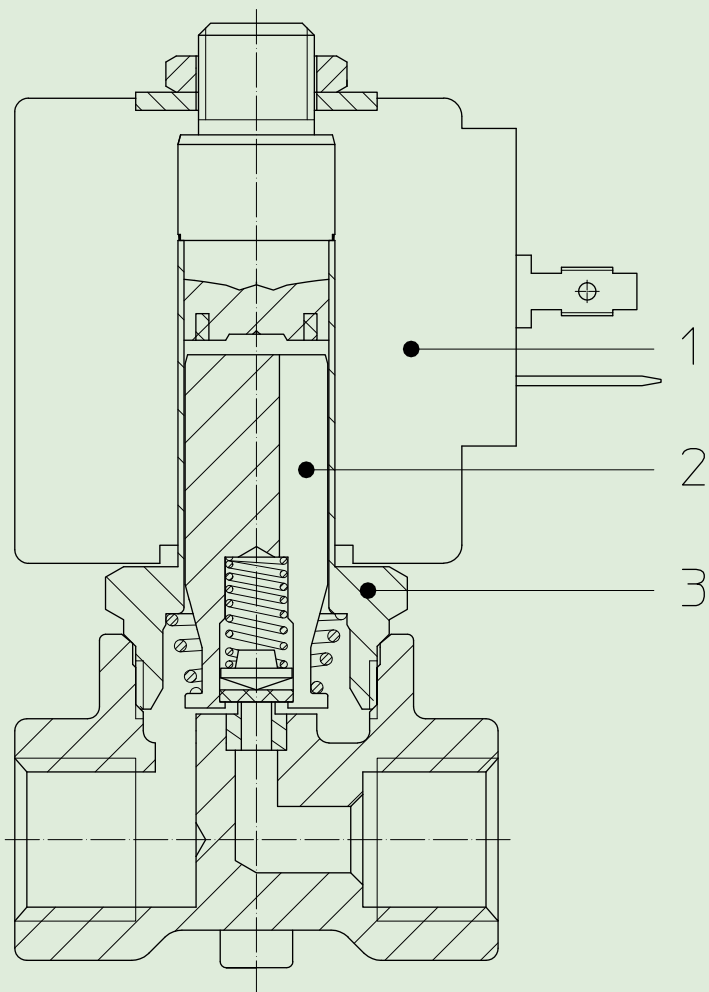
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

## SPARE PARTS:

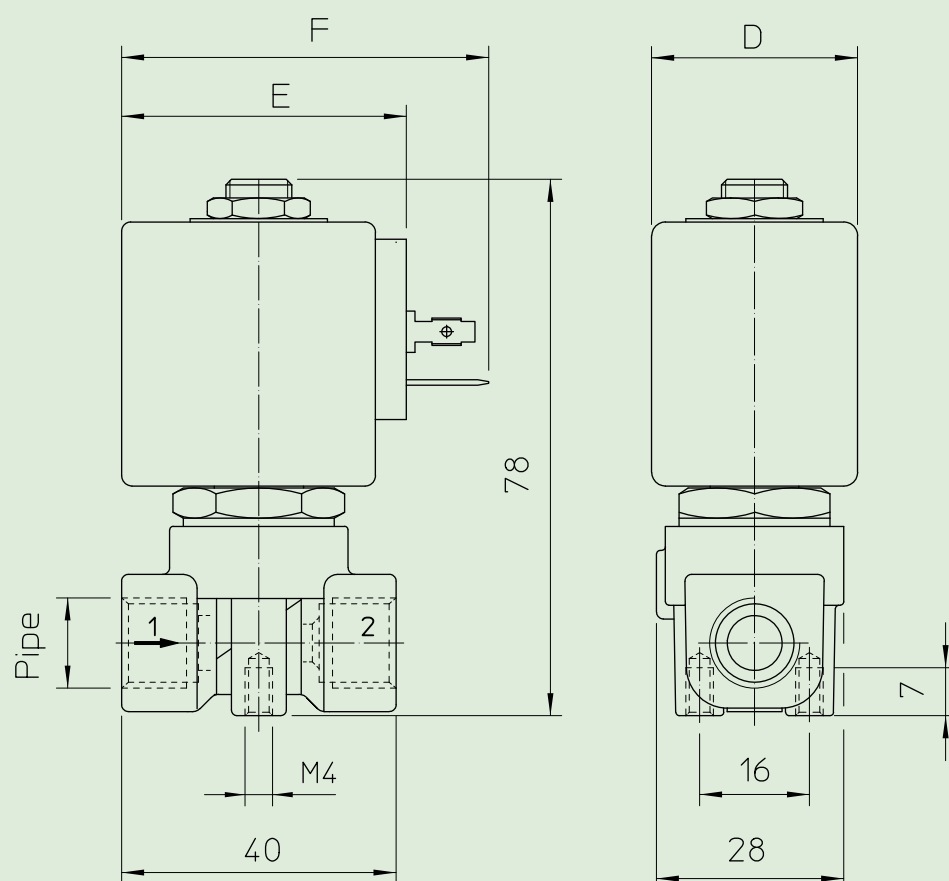
- Coil:**  
See coils list
- Complete plunger:**  
Code R450820/R
- Complete armature tube:**  
Code R450606

## KIT:

KT130KR30-A=2+3



## DIMENSIONS:



Type	Pipe ISO 228/1
21A3KR	G 1/8
21A2KR	G 1/4

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





# Solenoid valve 2/2 way N.C. Direct acting

21A2KT55-W

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/4

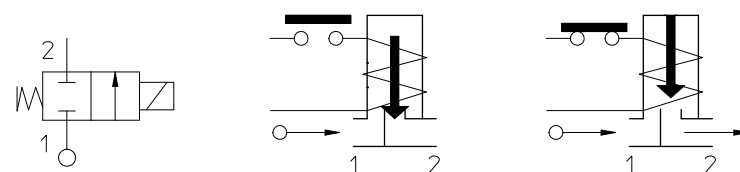
**COILS:** 8W - Ø 13  
BDA - BDS - BSA 155°C (class F)  
BDF - BDV 180°C (class H)

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

Max. allowable pressure (PS) 40 bar  
Ambient temperature:  
with coil class **F** - 40°C + 60°C  
with coil class **H** - 40°C + 80°C



Gaskets	Temperature	Medium
T=PTFE (polytetrafluorethylen)	- 40°C + 180°C	Steam, water



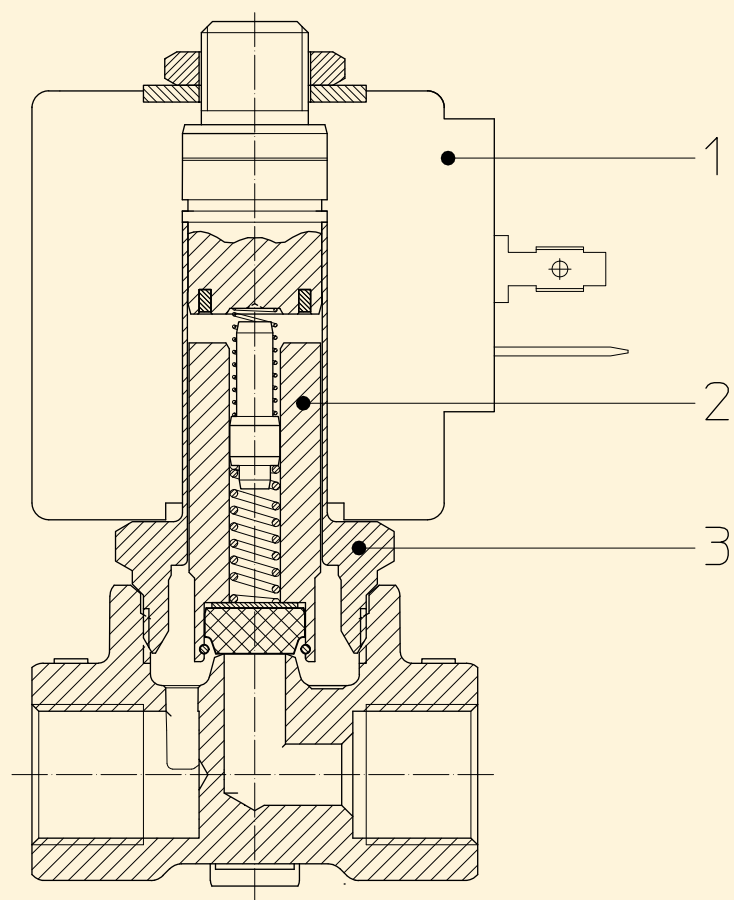
Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D. AC bar DC bar	
G 1/4	21A2KT55-W	-	-	5,5	9	8	0	6	2

## Note.

Available on request and with minimum quantities.

With double-frequency coils the MOPD is 15% lower

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>	T=PTFE
<b>Orifice</b>	Brass - UNI EN 12165 CW617N

#### On request:

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

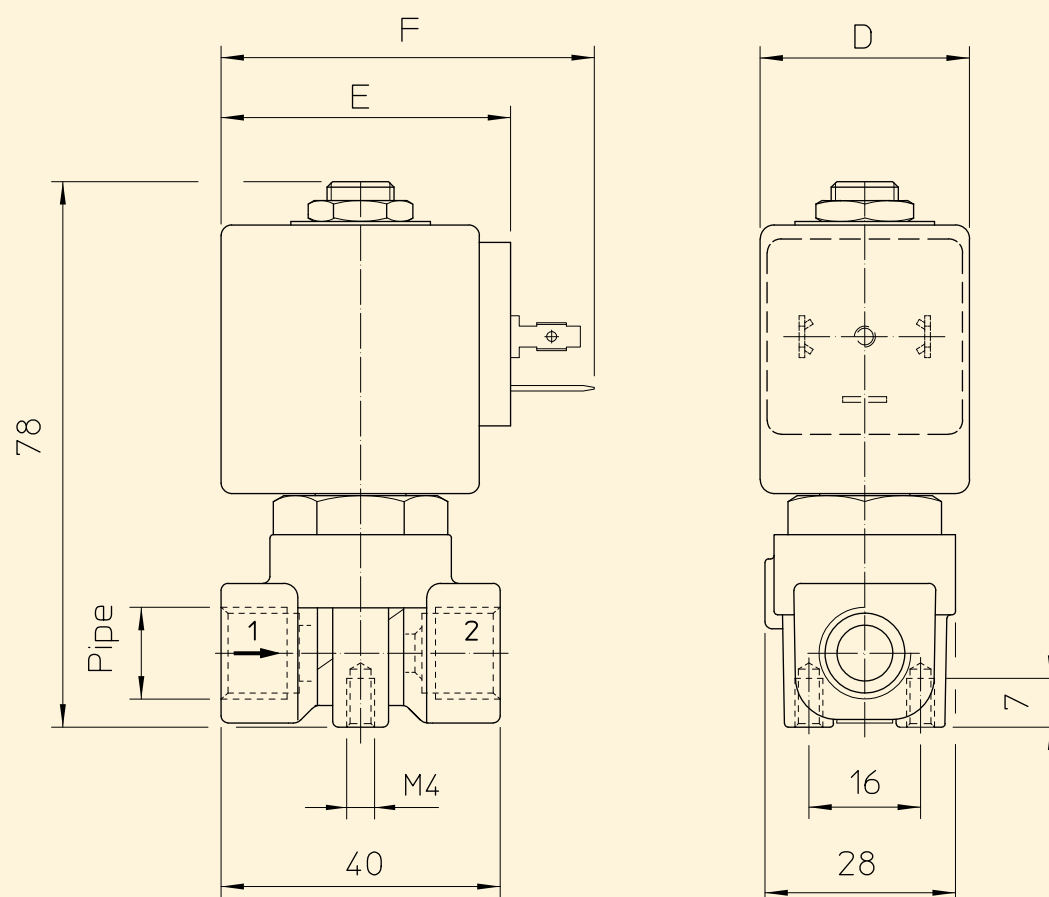
#### FEATURES:

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

#### SPARE PARTS:

- 1. Coil:**  
See coils list
- 2. Complete plunger:**  
Code R451234/T
- 3. Complete armature tube:**  
Code R450606

#### DIMENSIONS:



BOBINE TYPE	PUISSANCE NOMINALE			Ecombremments		
	W ==	Maintien VA ~	Appel VA ~	D mm	E mm	F mm
B	8	14,5	25	30	42	54



# Solenoid valve 2/2 way N.C. Direct acting

21A2K0E45-OR

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21A2K0E55-OR

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/4

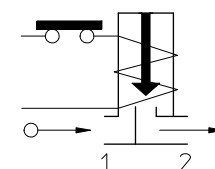
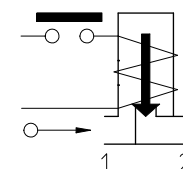
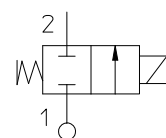
**COIL:** 8W - Ø 13  
BDA - BDS - BSA 155°C (class F)  
BDF - BDV 180°C (class H)

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

Max. allowable pressure (PS) 40 bar  
Environment temperature:  
with coil class **F** - 10°C + 60°C  
with coil class **H** - 10°C + 80°C



Gaskets	Temperature		Medium
	- 10°C	+140°C	
E=EPDM (ethylene-propylene)			Water, steam



Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Potenza (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D.	
								AC bar	DC bar
G 1/4	21A2K0E45-OR	53	~ 7	4,5	6,5	8	0	5	2
	21A2K0E55-OR			5,5	9			3	1

## Note

Available on request and with minimum quantities.

Also available with brass body without lead.

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>	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:**

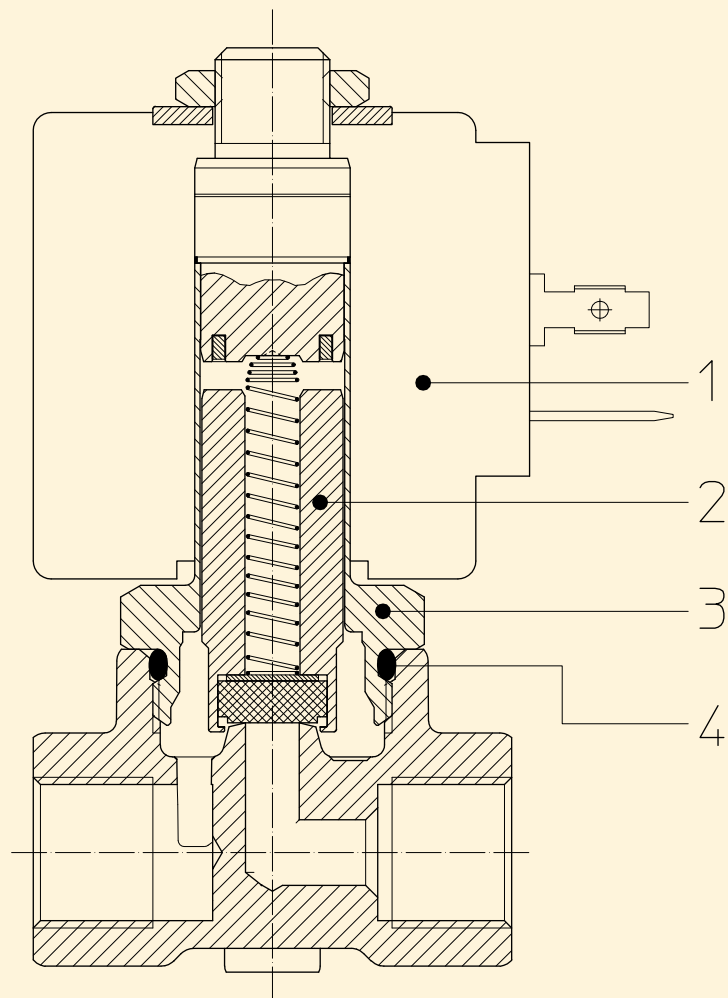
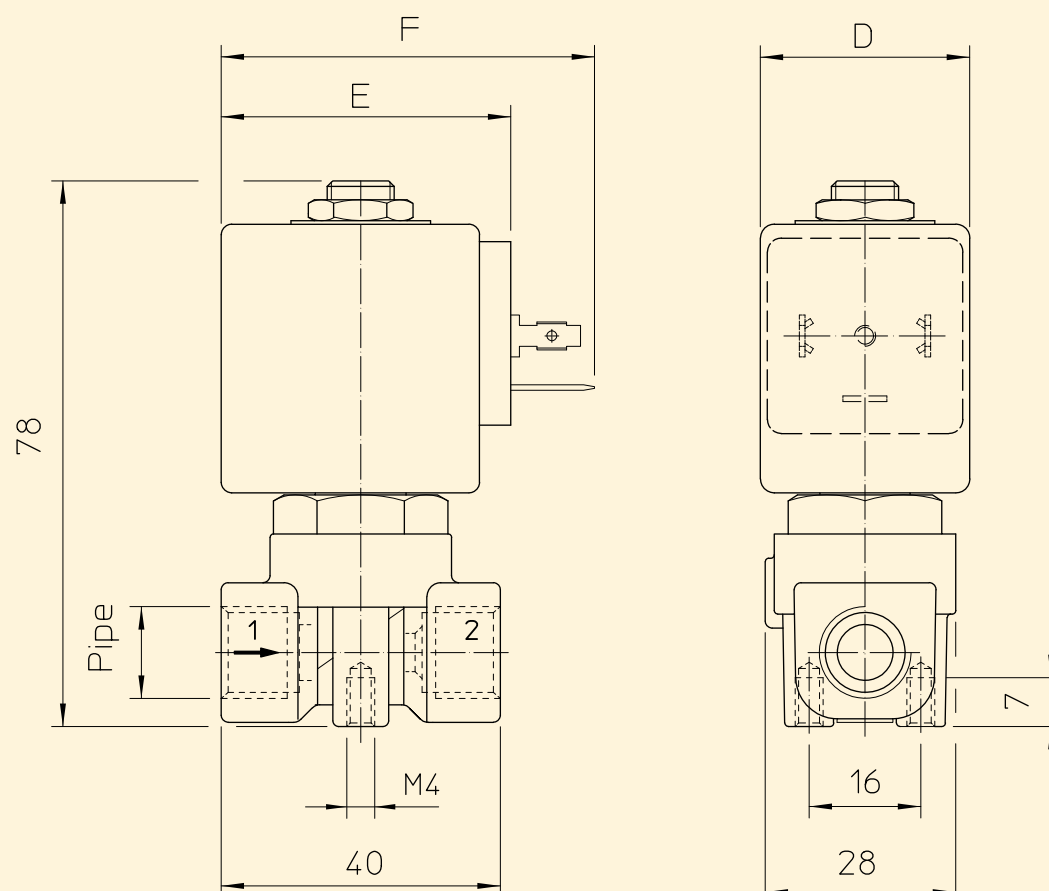
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

**SPARE PARTS:**

- Coil:**  
BDF08024DS
- Complete plunger:**  
Code R450898/E
- Complete armature tube:**  
Code R450603
- Gasket O-Ring:**  
Code R990000/E

**KIT:**

KT130KE55-F=2+3+4

**DIMENSIONS:**

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



# Solenoid valve 2/2 way N.C. Direct acting

21A2KL45-RPW

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/4

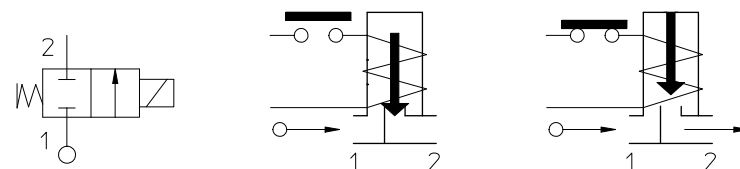
**COILS:** 8W - Ø13  
BDA - BDS -BSA 155°C (class F)  
BDF - BDV 180°C (clase H)

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

Max. allowable pressure (PS) 40 bar  
Environment temperature:  
with coil class F - 40°C + 60°C  
with coil class H - 40°C + 80°C



Gaskets	Temperature		Medium
	- 40°C	+180°C	
L=Rulon (fluoropolimer)	- 40°C	+180°C	Water, air , inert gas, mineral oils (2°E), steam, gasoline, gas oil

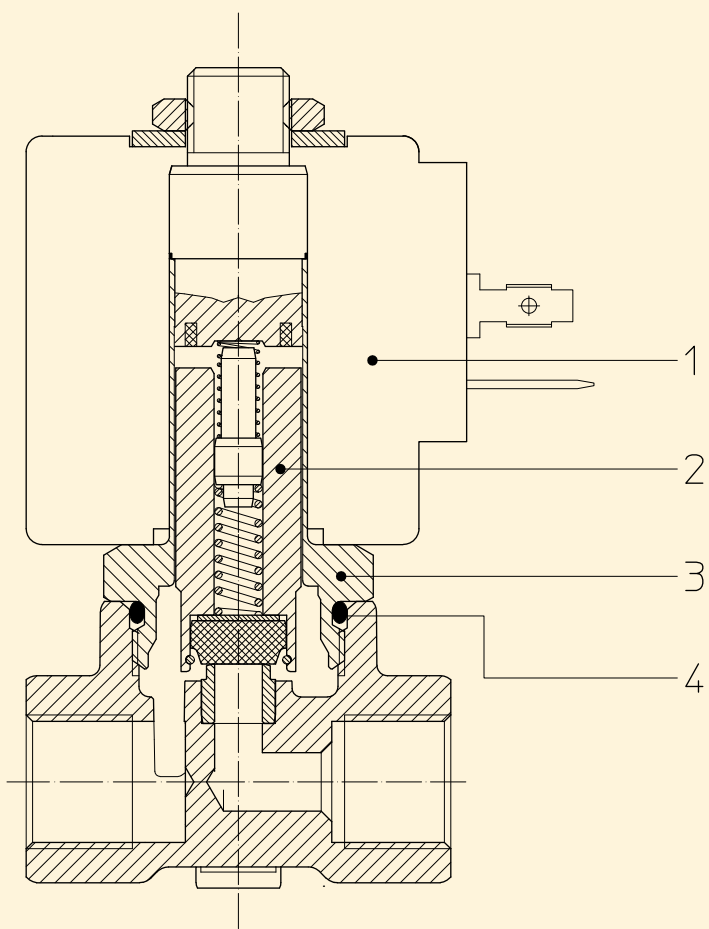


Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D.	
								AC bar	DC bar
G 1/4	21A2KL45-RPW	53	~ 7	4,5	6,5	8	0	10	3,5

## Note

Available on request and with minimum quantities.  
Also available with brass body without lead.

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>	R=Rulon
<b>Orifice: Insert slot</b>	Stainless steel AISI series 300

#### 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.

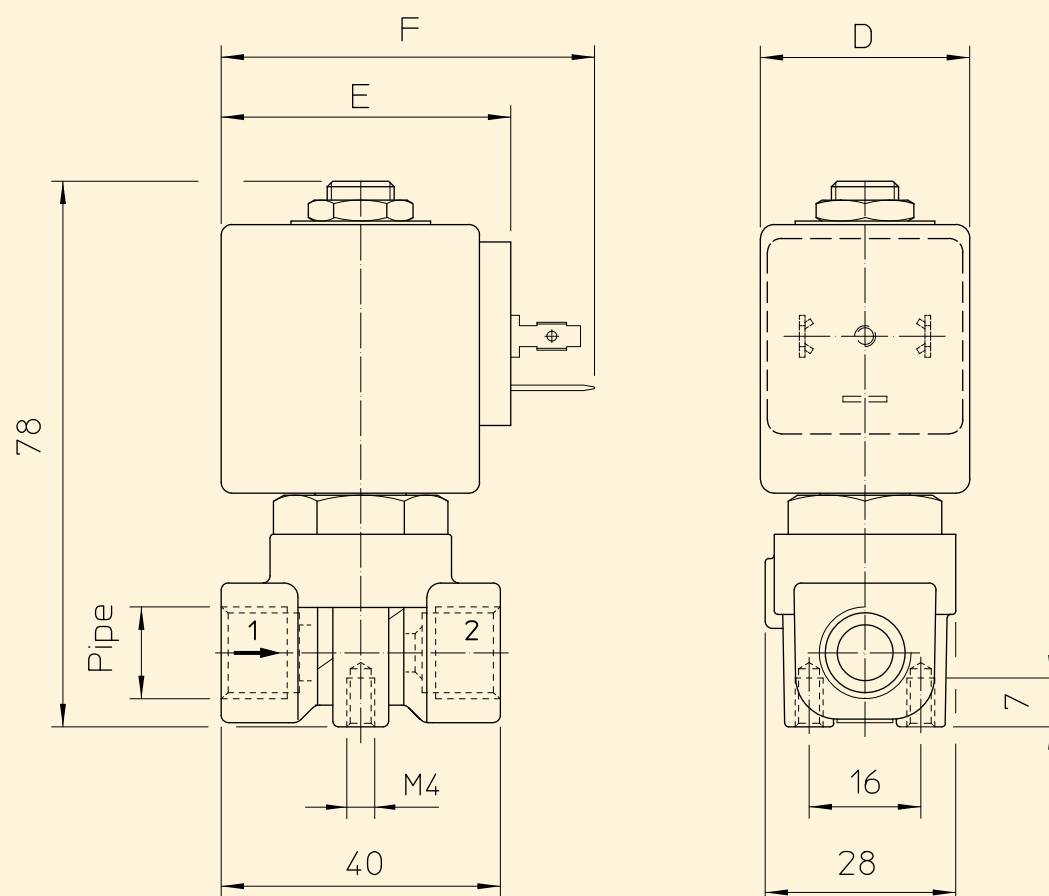
#### SPARE PARTS:

1. **Coil:**  
See coils list
2. **Complete plunger:**  
Code R452718/L
3. **Complete armature tube:**  
Code R450603
4. **Gasket O-Ring:**  
Code R990000/V

#### KIT:

KT130KL55-GM=2+3+4

#### DIMENSIONS:



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



# Solenoid valve 2/2 way N.O. Direct acting

21A3ZR15D  
÷  
21A2ZR30G

## PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction materials.

Minimum operational pressure is not required.

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

**USE:** Hot water, Heating  
Steam (180°C)

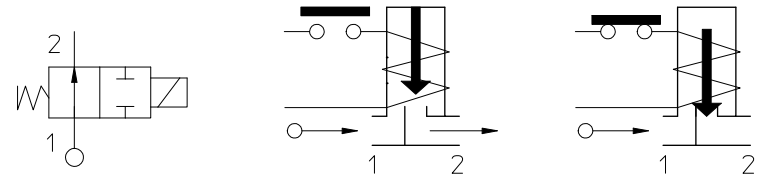
**PIPES:** G 1/8 - G 1/4

**COILS:**

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

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

Max. allowable pressure (PS)	40 bar
Ambient temperature:	
with coils class <b>F</b>	- 40°C + 60°C
with coils class <b>H</b>	- 40°C + 80°C



Gaskets	Temperature		Medium
	- 40°C	+180°C	
R=RUBY			Steam, water, mineral oils (2°E), gas oil, fuel oils (7°E)

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 1/8	21A3ZR15D	12	~ 2	1,5	1,4	8	0	35	35
	21A3ZR20D	37	~ 5	2	2			30	30
	21A3ZR25D	53	~ 7	2,5	3,2			16	16
	21A3ZR25G							12	14
	21A3ZR30D			8	10			10	
	21A3ZR30G			12	14			15	15
G 1/4	21A2ZR15D	12	~ 2	1,5	1,4	8	0	35	35
	21A2ZR20D	37	~ 5	2	2			30	30
	21A2ZR25D	53	~ 7	2,5	3,2			16	16
	21A2ZR25G							12	14
	21A2ZR30D			8	10			10	
	21A2ZR30G			12	14			15	15

## Note

Also available with brass body without lead.

The use of rigid sealings usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar.

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>	R=RUBY
<b>Orifice: Insert slot</b>	Stainless steel AISI series 300

### On request:

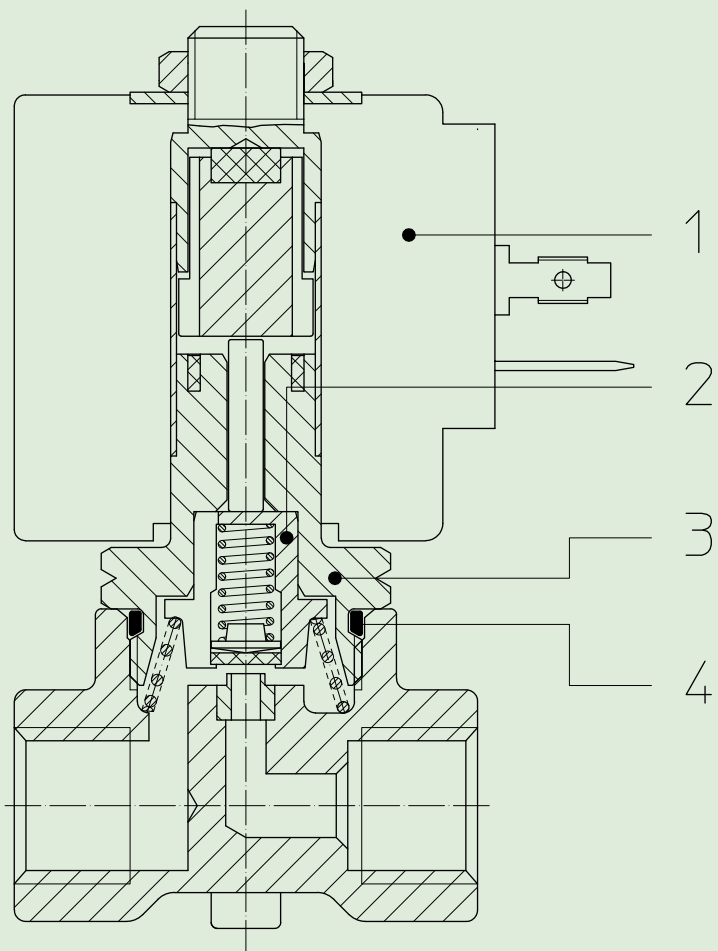
<b>Connector</b>	Pg 9 or Pg 11
<b>Connector conformity</b>	ISO 4400

### FEATURES:

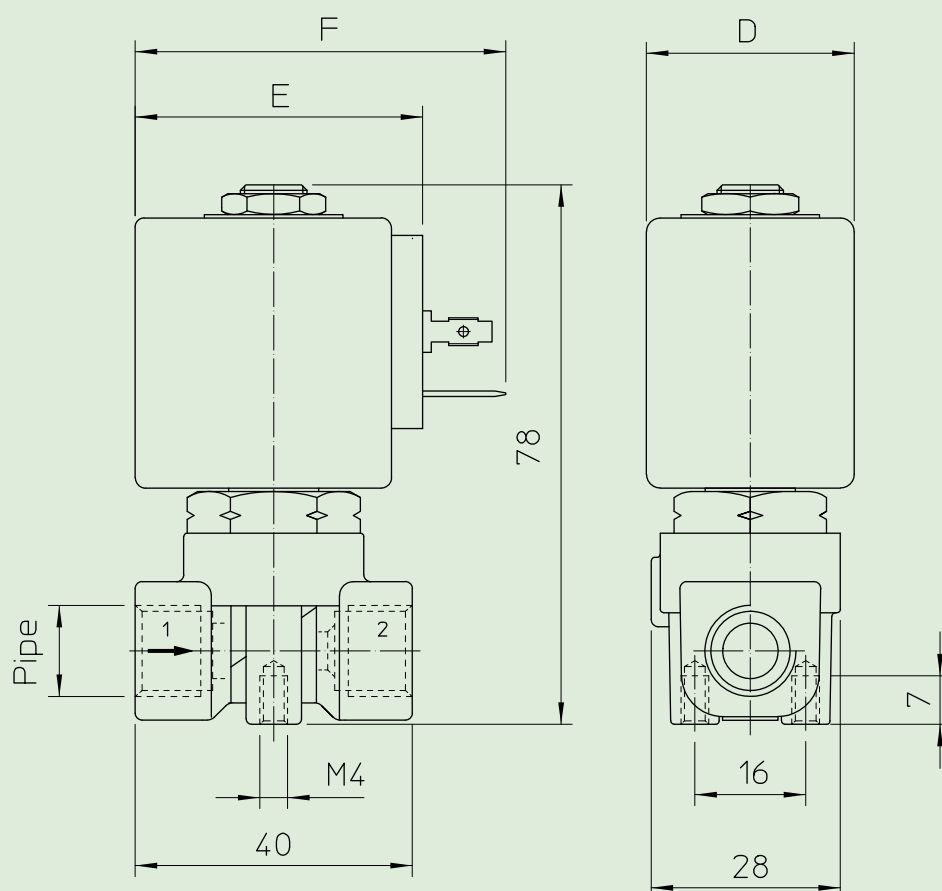
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

### SPARE PARTS:

<b>1. Coil:</b> See coils list	<b>KIT:</b> 8W
<b>2. Complete diaphragm support:</b> 8W Code R450789 12W - 14W Code R450789/14	KT130ZR30-F=2+3+4 12W - 14W KT130ZR30-G=2+3+4
<b>3. Complete armature tube without gasket:</b> Code R450573	
<b>4. Gasket O-Ring:</b> Code R990000/V	



### DIMENSIONS:



Type	Pipe ISO 228/1
21A3ZR	G 1/8
21A2ZR	G 1/4

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.O. Direct acting

21A3ZV15D  
÷  
21A2ZV55G

## PRESENTATION:

Direct acting 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

**PIPES:** G 1/8 - G 1/4

**COILS:**

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

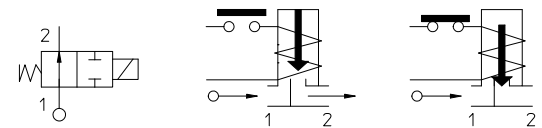
**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**



Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water

Max. allowable pressure (PS) 40 bar  
Ambient temperature:  
with coils class F - 10°C + 60°C  
with coils class H - 10°C + 80°C

For seals other than FKM replace the letter "V" with the ones corresponding to the other seals. E.I. 21A3ZB20D.



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 1/8	21A3ZV15D	12	~ 2	1,5	1,4	8	0	25	25
	21A3ZV20D	37	~ 5	2	2	12		20	20
	21A3ZV20G					14		30	30
	21A3ZV25D	53	~ 7	2,5	3,2	8		14	14
	21A3ZV25G					12		17	17
	21A3ZV30D					14		10	10
	21A3ZV30G					8		15	15
	21A3ZV45D					12		4	4
	21A3ZV45G					14		6	-
	G 1/4	21A2ZV15D	12	~ 2	1,5	1,4		8	0
21A2ZV20D		37	~ 5	2	2	12	20	20	
21A2ZV20G						14	30	30	
21A2ZV25D		53	~ 7	2,5	3,2	8	14	14	
21A2ZV25G						12	17	17	
21A2ZV30D						14	10	10	
21A2ZV30G						8	15	15	
21A2ZV45D						12	4	4	
21A2ZV45G						14	6	-	
21A2ZV55D		5,5	9	5,5	9	8	2,5	2,5	
21A2ZV55G						12	3,5	-	

**Note** Also available with brass body without lead.

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>	Standard: V=FKM On request: B=NBR

<b>Orifice:</b>	
≤ 3 mm	Insert slot
> 3 mm	Stainless steel AISI series 300 Brass - UNI EN 12165 CW617N

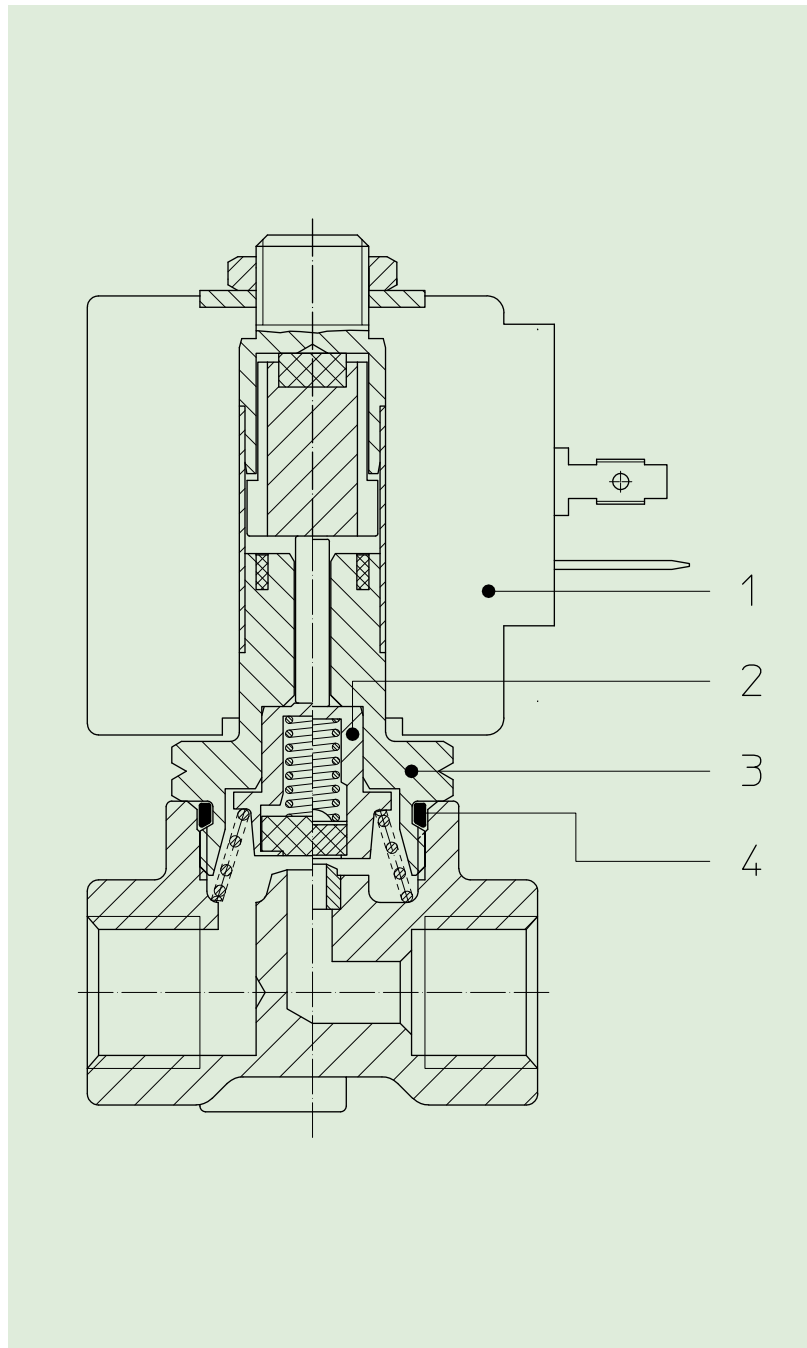
<b>On request:</b>	
<b>Connector</b>	Pg 9 or Pg 11
<b>Connector conformity</b>	ISO 4400

### FEATURES:

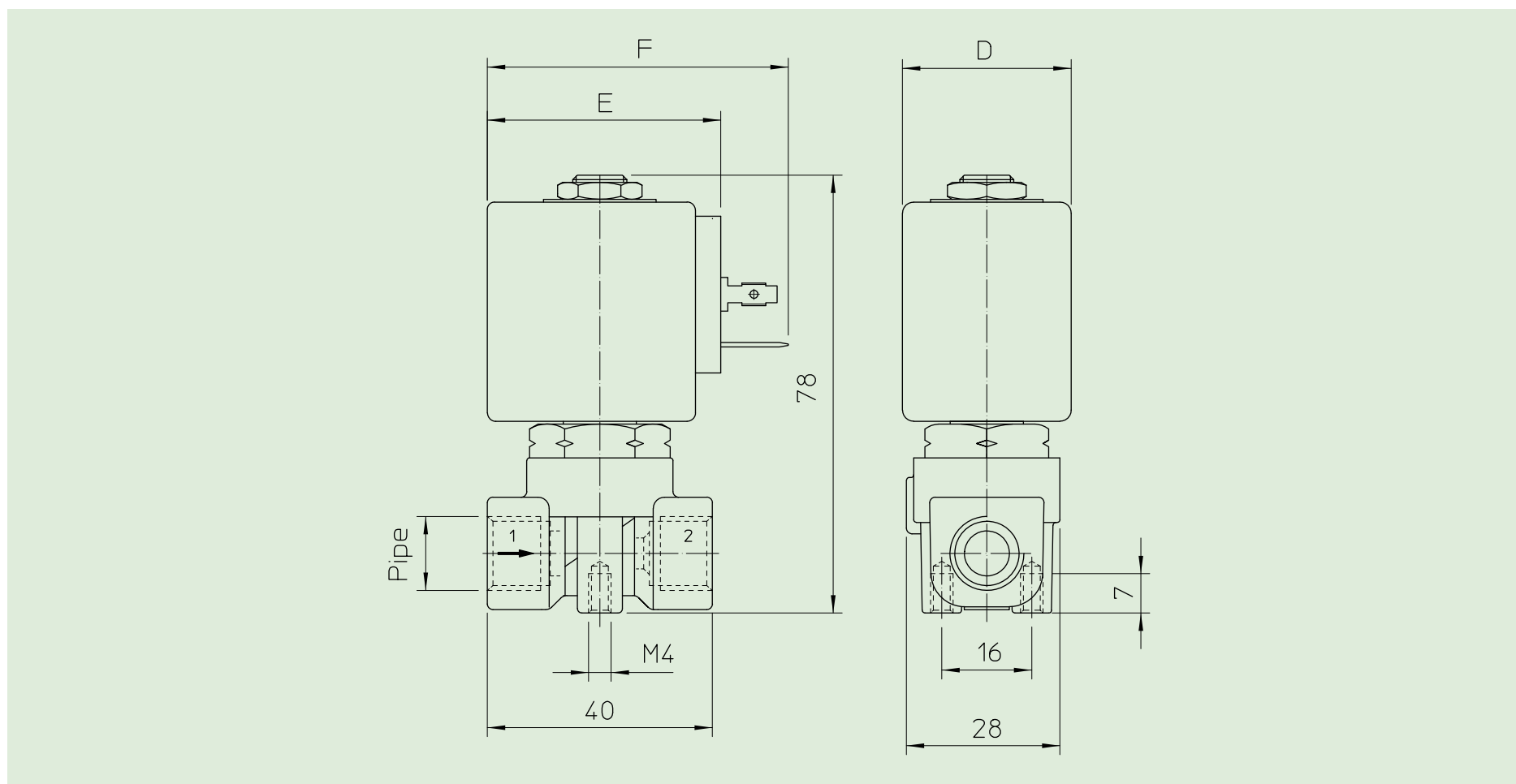
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

### SPARE PARTS:

- |   |   |
|---|---|
| <b>1. Coil:</b><br>See coils list   | <b>4. Gasket O-Ring:</b><br>Code R990000/V  |
| <b>2. Complete diaphragm support:</b><br>For orifice ≤ 3 mm<br>8W Code R450788/V<br>12W - 14W<br>Code R450788/V14<br>For orifice > 3 mm<br>8W Code R450786/V<br>12W - 14W<br>Code R450786/V14 | <b>KIT:</b><br>Orifice ≤3 mm<br>8W<br>KT130ZV30-F=2+3+4<br>12W - 14W<br>KT130ZV30-G=2+3+4<br>Orifice >3 mm<br>8W<br>KT130ZV55-F=2+3+4<br>12W - 14W<br>KT130ZV55-G=2+3+4 |
| <b>3. Complete armature tube without gasket:</b><br>Code R450573  |   |



### DIMENSIONS:



Type	Pipe ISO 228/1
21A3ZV	G 1/8
21A2ZV	G 1/4

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. Direct acting

21A5KT55-W

## PRESENTATION:

Direct acting 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

**PIPES:** G 3/8

**COILS:**

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

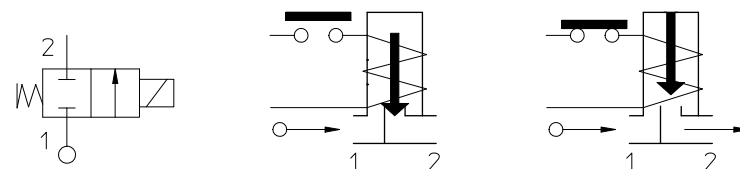
**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**

Max. allowable pressure (PS)	40 bar
Environment temperature:	
with coils class <b>F</b>	- 40°C + 60°C
with coils class <b>H</b>	- 40°C + 80°C



Special item-not standard

Gaskets	Temperature		Medium
T=PTFE (polytetrafluorethylen)	- 40°C	+ 180°C	Steam, water



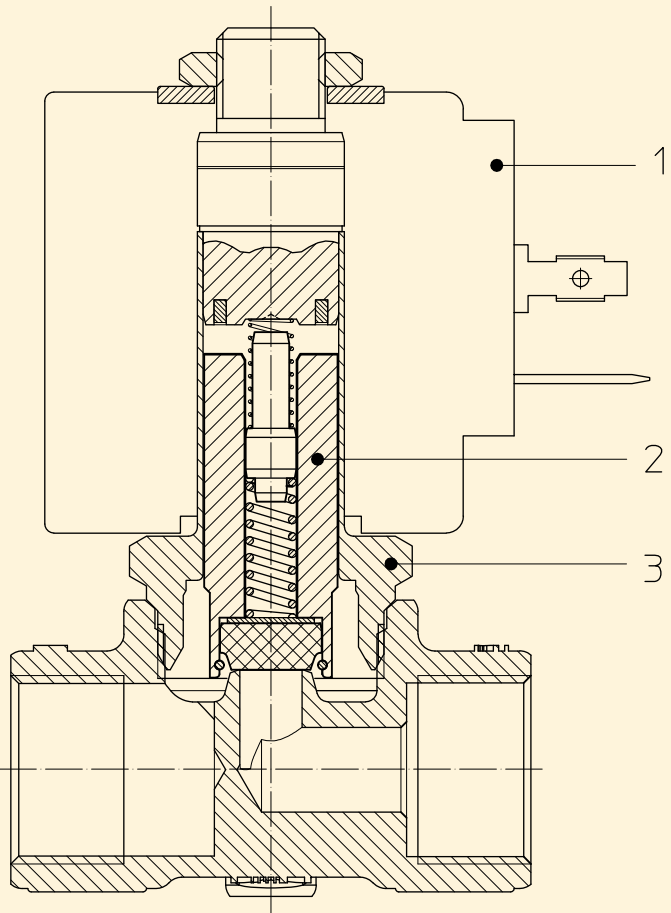
Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/min	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D. AC bar DC bar	
G 3/8	21A5KT55-W	-	-	5,5	9	8	0	6	2

### Note.

Available on request and with minimum quantities.

With double-frequency coils the MOPD is 15% lower

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>	T=PTFE
<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.

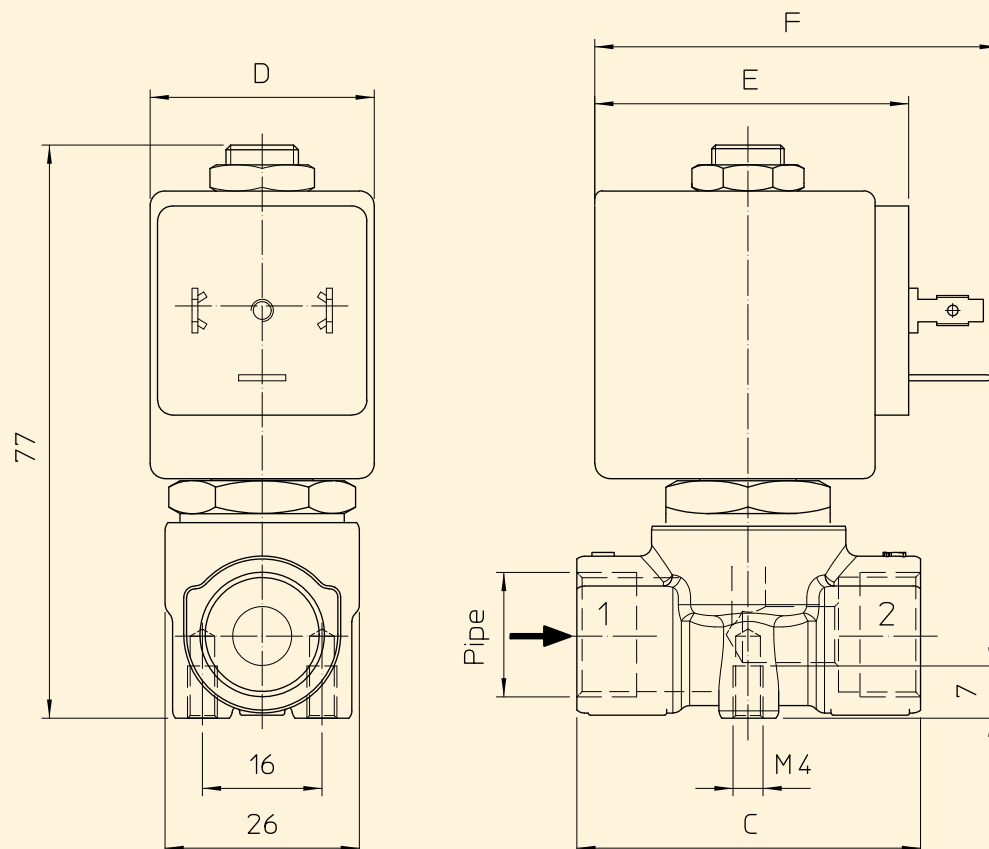
#### SPARE PARTS:

- Coil:**  
See coils list
- Complete plunger:**  
Code R451234/T
- Complete armature tube:**  
Code R450606

#### KIT:

KT130K755-AM =2+3

#### DIMENSIONS:



COIL TYPE	POWER ABSORPTION			DIMENSIONS			
	W =	Hold VA ~	Inrush VA ~	C mm	D mm	E mm	F mm
B	8	14,5	25	46	30	42	54



# Solenoid valve 2/2 way N.C. Direct acting

21A5KT45

÷

21A8KT55

## PRESENTATION:

Direct acting 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

**PIPES:** G 3/8 - G 1/2

**COILS:**

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

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

Max. allowable pressure (PS) 40 bar

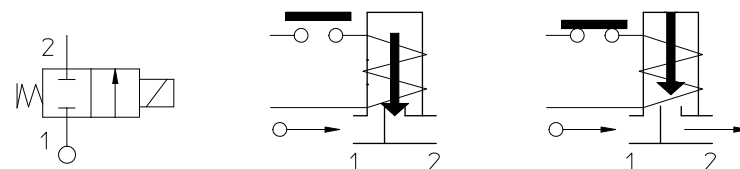
Ambient temperature:

with coils class **F** - 40°C + 60°C

with coils class **H** - 40°C + 80°C



Guarnizioni	Temperature		Medium
T=PTFE (polytetrafluorethylen)	- 40°C	+ 180°C	Water, steam



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	21A5KT45	-	-	4,5	6,5	8	0	5	1,5
						12		10	3,5
						14		12	6
	21A5KT55			8	3,5	1			
				12	6	2			
				14	7	5			
G 1/2	21A8KT45	-	-	4,5	6,5	8	5	1,5	
						12	10	3,5	
						14	12	6	
	21A8KT55			8	3,5	1			
				12	6	2			
				14	7	5			

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>	T=PTFE
<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:

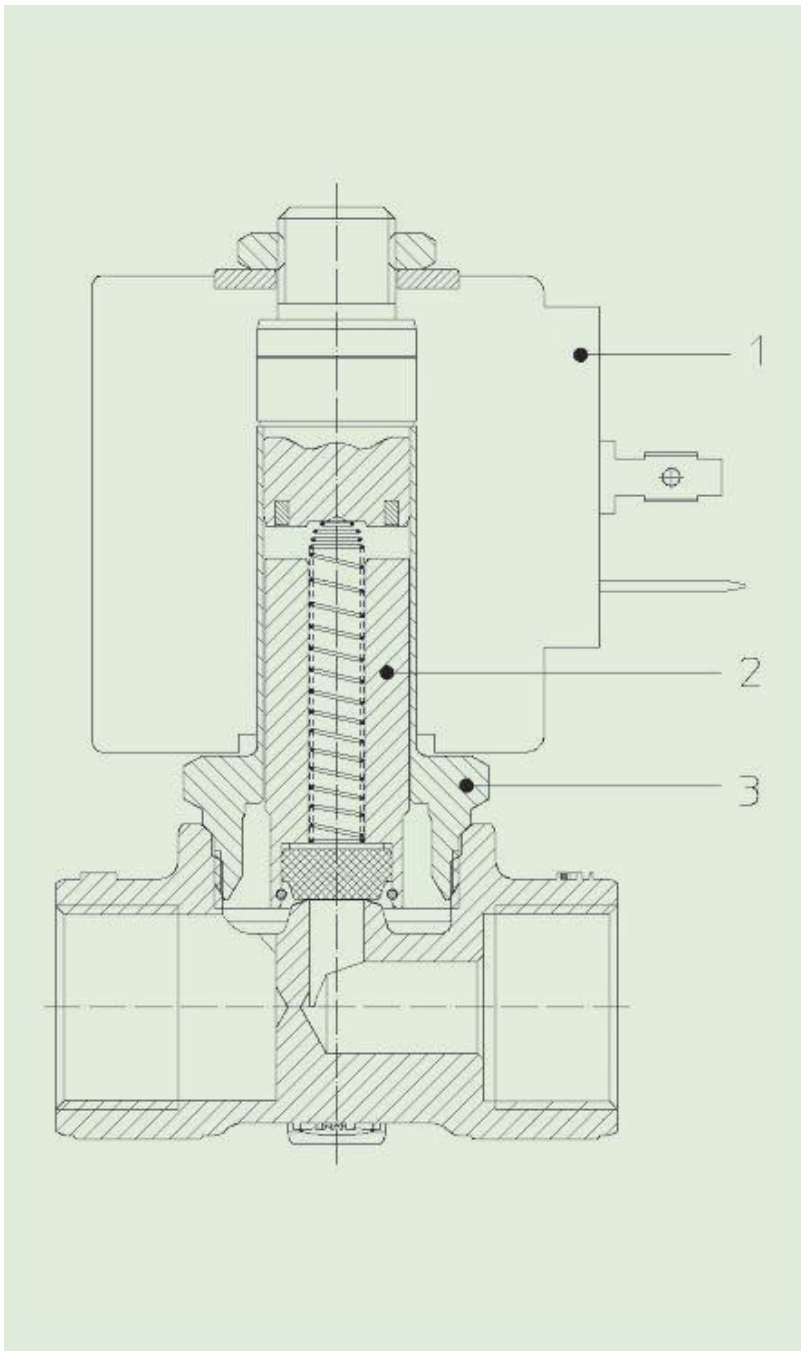
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

### SPARE PARTS:

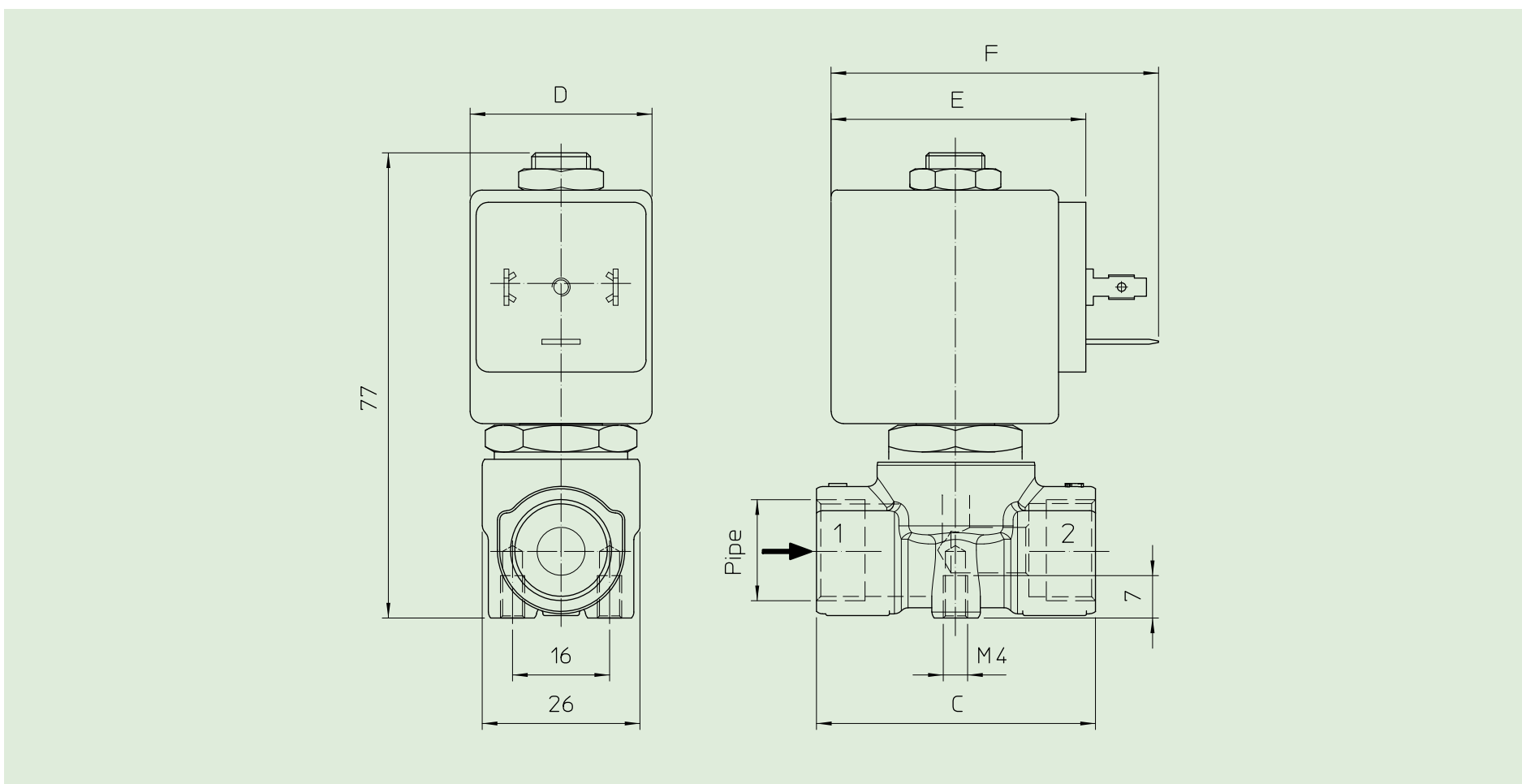
- Coil:**  
See coils list
- Complete plunger:**  
Code R451234/T
- Complete armature tube:**  
Code R450606

### KIT:

KT130K755-A=2+3



### DIMENSIONS:



Type	Pipe ISO 228/1	C mm
21A5KT	G 3/8	46
21A8KT	G 1/2	58

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. Direct acting

21A5KV45  
÷  
21A8KV55

## PRESENTATION:

Direct acting 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

**PIPES:** G 3/8 - G 1/2

**COILS:** 8W - Ø 13  
BDA - BDS - BSA 155°C (class F)  
BDF - BDV 180°C (class H)  
12W - Ø 13  
UDA 155°C (class F)  
14W - Ø 13  
GDH - GDV 180°C (class H)  
(1) Explosion-proof housing for coils with electrical connections EN 175301-803 on request.

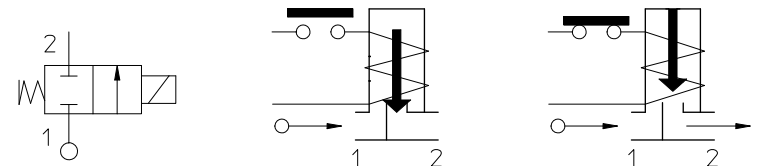
**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**

Max. allowable pressure (PS) 40 bar  
Ambient temperature:  
with coils class **F** - 10°C + 60°C  
with coils class **H** - 10°C + 80°C

Gaskets	Temperature		Medium
<b>V</b> =FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
<b>B</b> =NBR (nitrile rubber)	- 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. 21A5KB55.

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	21A5KV45	53	~ 7	4,5	6,5	8	0	5	2
						12		12	7
						14		12	8
	21A5KV55					8		3	1
						12		7	2,5
						14		10	5
G 1/2	21A8KV45	53	~ 7	4,5	6,5	8	0	5	2
						12		12	7
						14		12	8
	21A8KV55					8		3	1
						12		7	2,5
						14		10	5



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>	Standard: V=FKM On request: 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:**

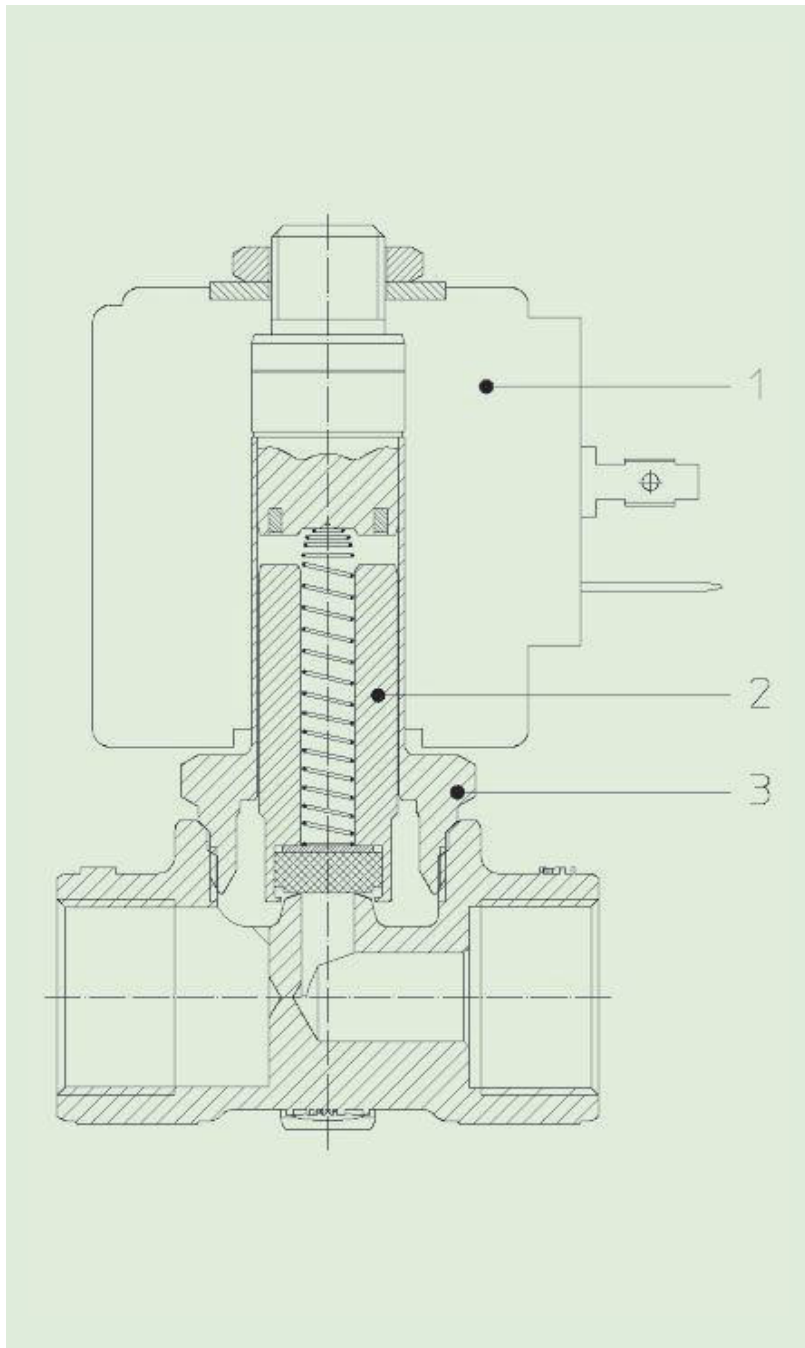
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

**SPARE PARTS:**

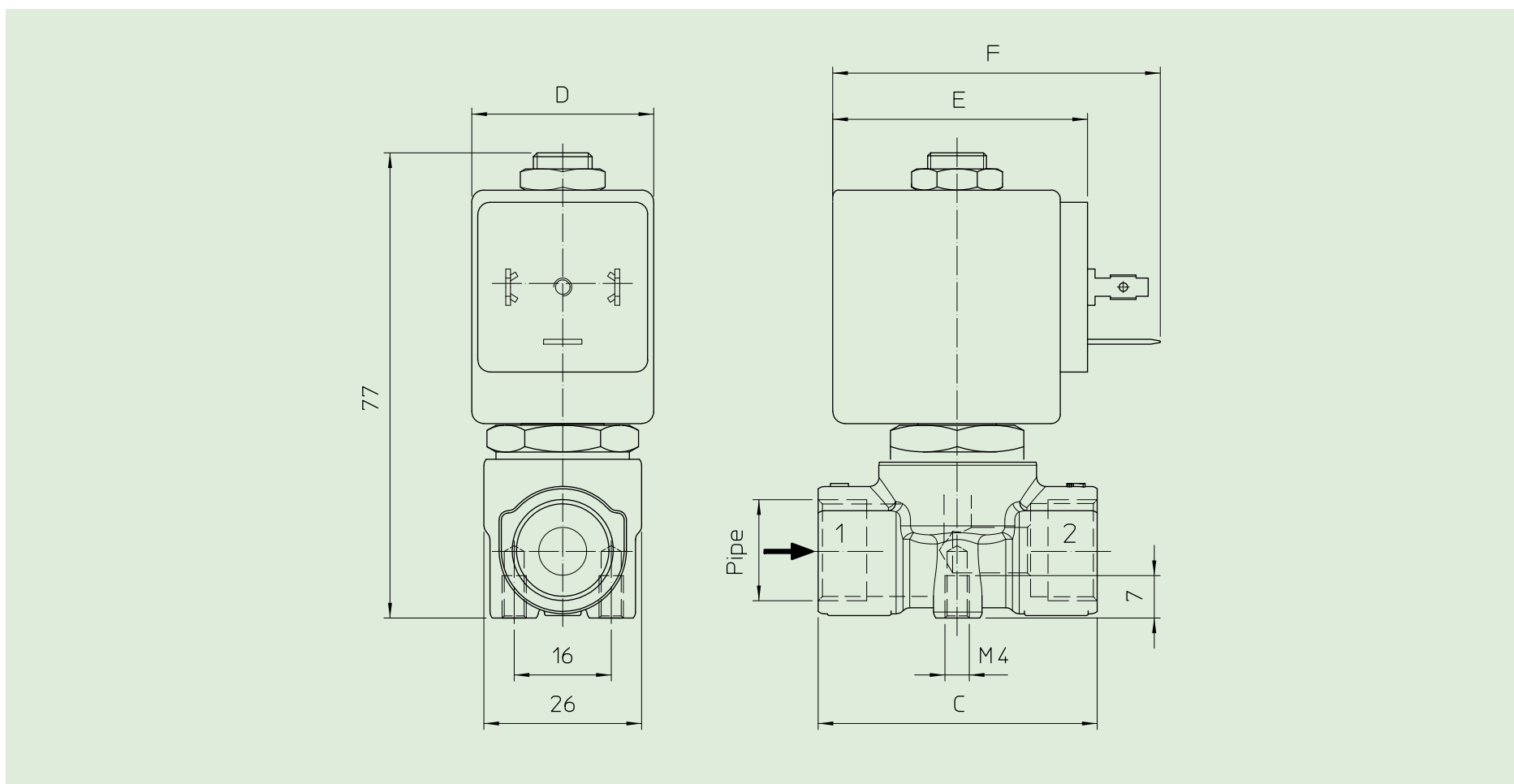
1. **Coil:**  
See coils list
2. **Complete plunger:**  
Code R450898/V
3. **Complete armature tube:**  
Code R450606

**KIT:**

KT130KV55-A=2+3



**DIMENSIONS:**



Type	Pipe ISO 228/1	C mm
21A5KV	G 3/8	46
21A8KV	G 1/2	58

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. Direct acting

212A5KV45

÷

212A8KV55

## PRESENTATION:

Direct acting 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

**PIPES:** G 3/8 - G 1/2

**COILS:**

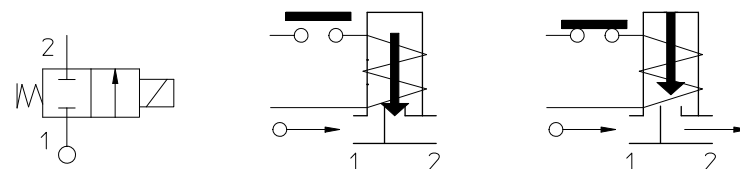
8W - Ø 13		
BDA - BDS - BSA	155°C	(class F)
BDF - BDV	180°C	(class H)
12W - Ø 13		
UDA	155°C	(class F)
14W - Ø 13		
GDH - GDV	180°C	(class H)

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

Max. allowable pressure (PS)	40 bar
Ambient temperature:	
with coils class <b>F</b>	- 10°C + 60°C
with coils class <b>H</b>	- 10°C + 80°C



Gaskets	Temperature	Medium
V=FKM (fluoroelastomer)	- 10°C + 140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)



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	212A5KV45	53	~ 7	4,5	6,5	8	0	5	2
						12		12	7
						14		12	8
	212A5KV55					8		3	1
						12		7	2,5
						14		10	5
G 1/2	212A8KV45	53	~ 7	4,5	6,5	8	0	5	2
						12		12	7
						14		12	8
	212A8KV55					8		3	1
						12		7	2,5
						14		10	5

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### MATERIALS:

<b>Body</b>	Brass - UNI EN 12165 CW617N
<b>Welded armature tube</b>	Stainless steel AISI series 300 + Brass - UNI EN 12165 CW617N
<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>	V=FKM
<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:

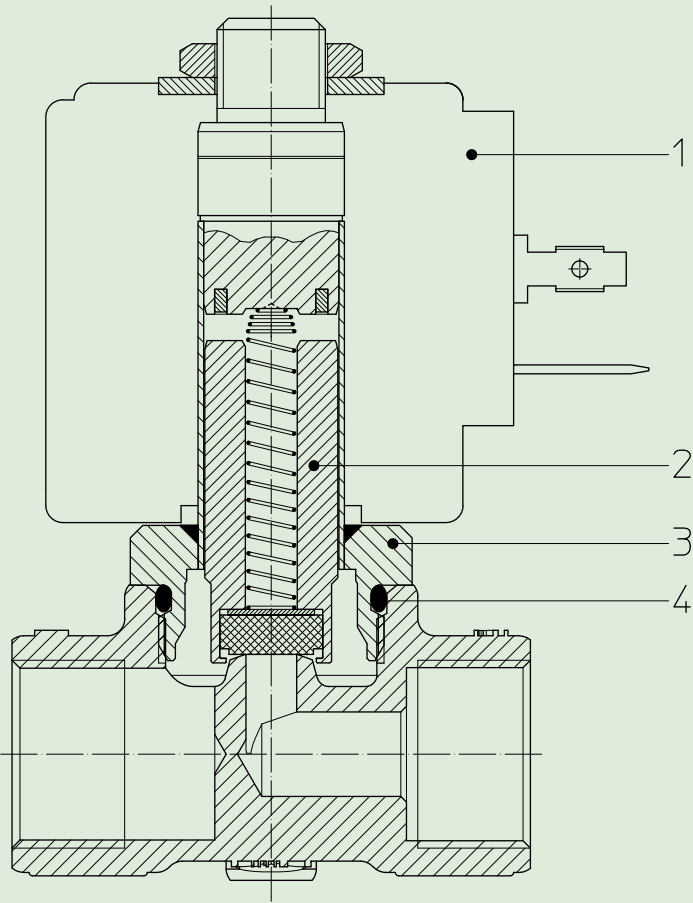
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

### SPARE PARTS:

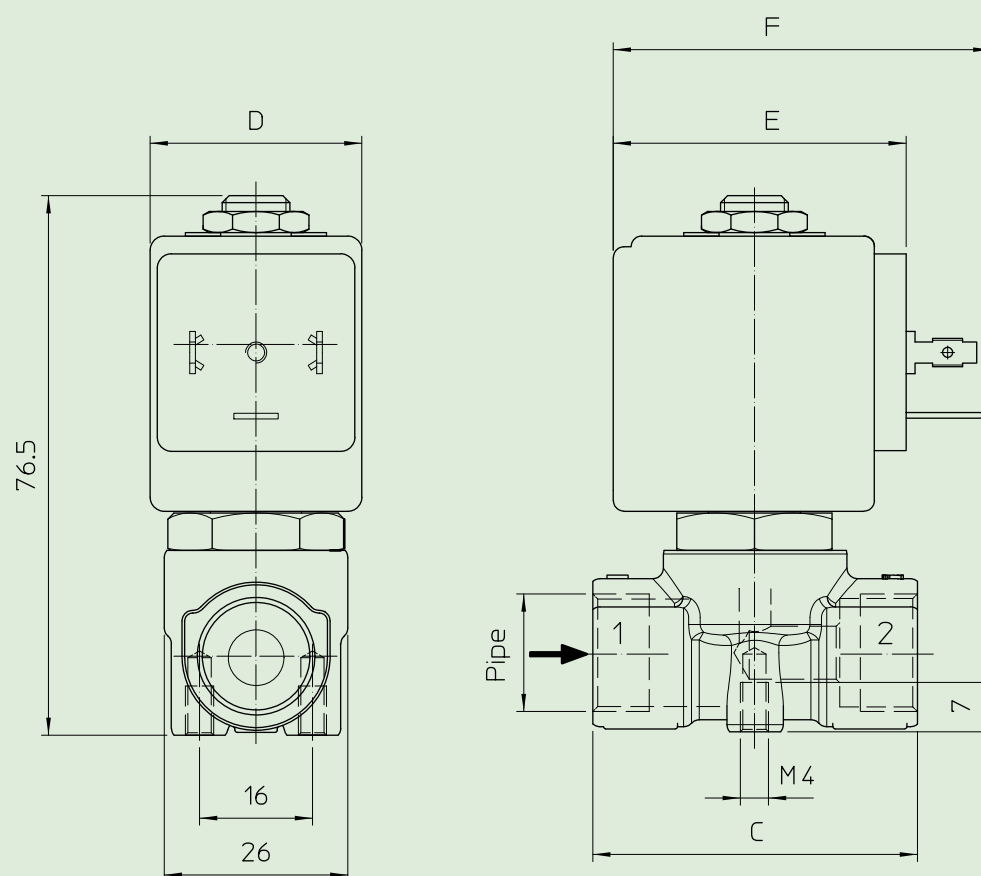
- Coil:**  
See coils list
- Complete plunger:**  
Code R450898/V
- Complete armature tube:**  
Code R450691
- Gasket O-Ring:**  
Code R990000/V

### KIT:

KS130KV55-F= **2+3+4**



### DIMENSIONS:



Type	Pipe ISO 228/1	C mm
212A5KV	G 3/8	46
212A8KV	G 1/2	58

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.O. Direct acting

21A5ZV45D  
÷  
21A8ZV55G

## PRESENTATION:

Direct acting 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

**PIPES:** G 3/8 - G 1/2

**COILS:**

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

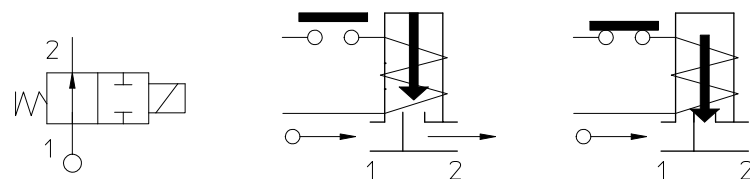
**MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.**

Max. allowable pressure (PS)	40 bar
Ambient temperature:	
with coils class <b>F</b>	- 10°C + 60°C
with coils class <b>H</b>	- 10°C + 80°C



Gaskets	Temperature		Medium
	- 10°C	+140°C	
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 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. 21A5ZB45D.



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	21A5ZV45D	53	~ 7	4,5	6,5	8	0	4	4				
	21A5ZV45G							6	-				
	21A5ZV55D							2,5	2,5				
	21A5ZV55G							3,5	-				
G 1/2	21A8ZV45D			4,5	6,5			4,5	6,5	8	0	4	4
	21A8ZV45G											6	-
	21A8ZV55D											2,5	2,5
	21A8ZV55G											3,5	-
				5,5	9	12							
						14		3,5					

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## MATERIALS::

<b>Body</b>	Brass - UNI EN 12165 CW617N
<b>Armature tube</b>	Stainless steel AISI series 400
<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
<b>Orifice</b>	Brass - UNI EN 12165 CW617N

## On request:

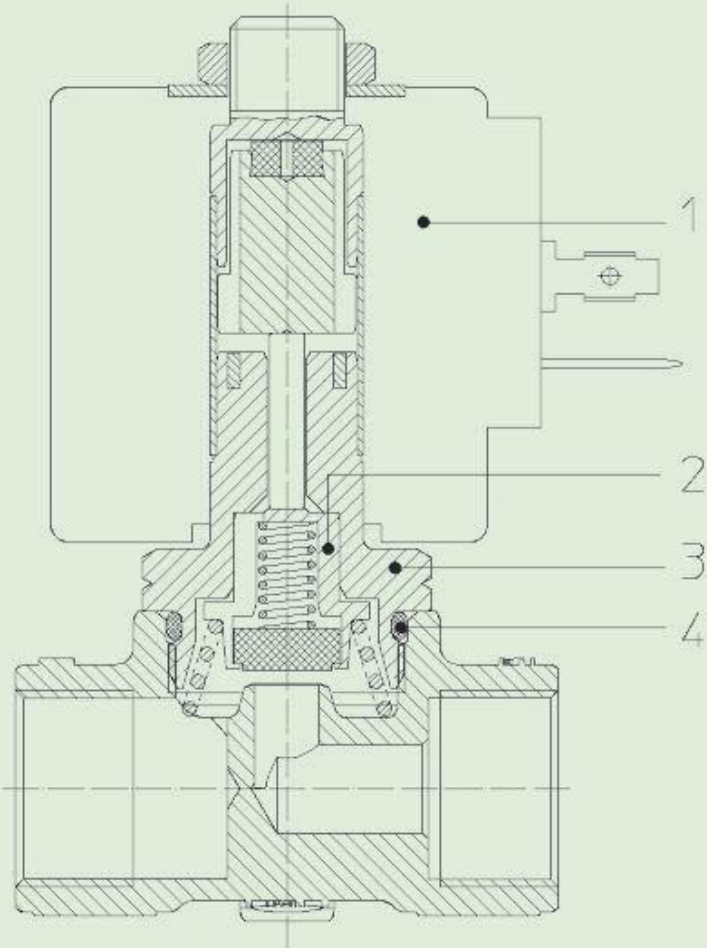
<b>Connector</b>	Pg 9 or Pg 11
<b>Connector conformity</b>	ISO 4400

## FEATURES:

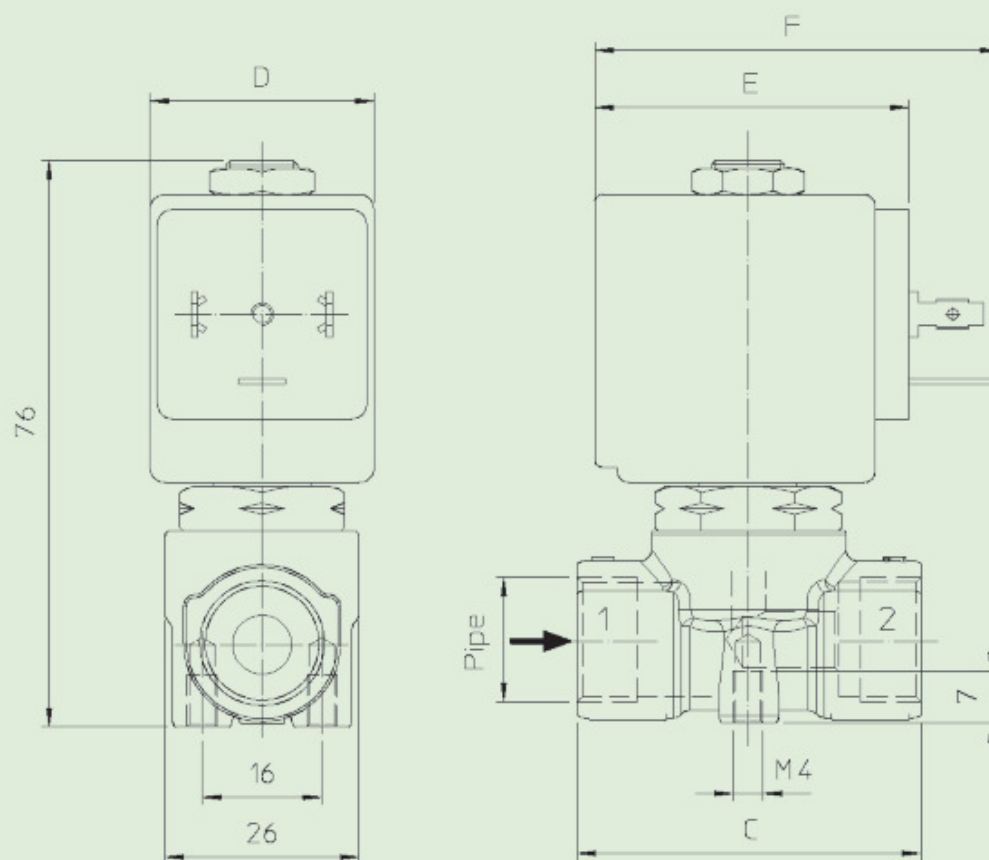
<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

## SPARE PARTS:

<b>1. Coil:</b> See coils list	<b>KIT:</b> 8W
<b>2. Complete diaphragm support:</b> 8W Code R450786/V 12W - 14W Code R450786/V14	KT130ZV55-F=2+3+4 12W -14W KT130ZV55-G=2+3+4
<b>3. Complete armature tube without gasket:</b> Code R450573	
<b>4. Gasket O-Ring:</b> Code R990000/V	



## DIMENSIONS:



Type	Pipe ISO 228/1	C mm
21A5ZV	G 3/8	46
21A8ZV	G 1/2	58

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