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

21A1K*R*10 ÷ 21A1K*R*30

:PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction material.
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: subplate mounting

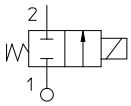
COILS: 8W - Ø 13

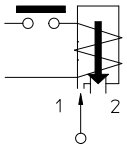
BDA - BSA	155°C	(class F)
BDV	180°C	(class H)

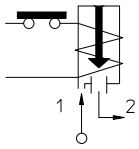
COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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

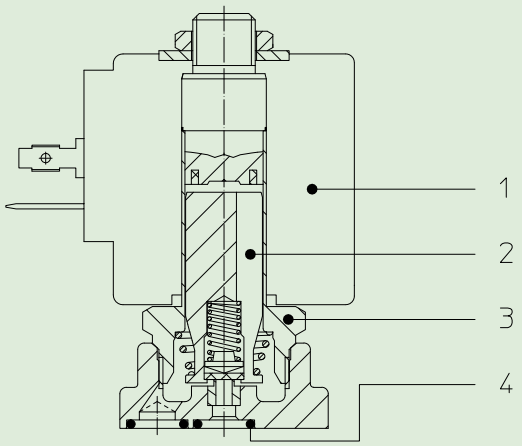






Pipe	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
SUBPLATE MOUNTING	21A1K**R**10	12	~ 2	1	0,45	8	0	40	23
	21A1K**R**15			1,5	1,4			30	15
	21A1K**R**20	37	~ 5	2	2			25	9
	21A1K**R**25	53	~ 7	2,5	3,2			14	5
	21A1K**R**30			3	4			10	4

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



MATERIALS:

Body	Brass - UNI EN 12165 CW617N
Armature tube	Stainless steel series 300
Fixed core	Stainless steel series 400
Plunger	Stainless steel series 300
Phase displacement ring	Copper - Cu 99,9%
Spring	Stainless steel series 300
Seal	R=RUBY
Orifice: Inserted slot	Stainless steel series 300

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.

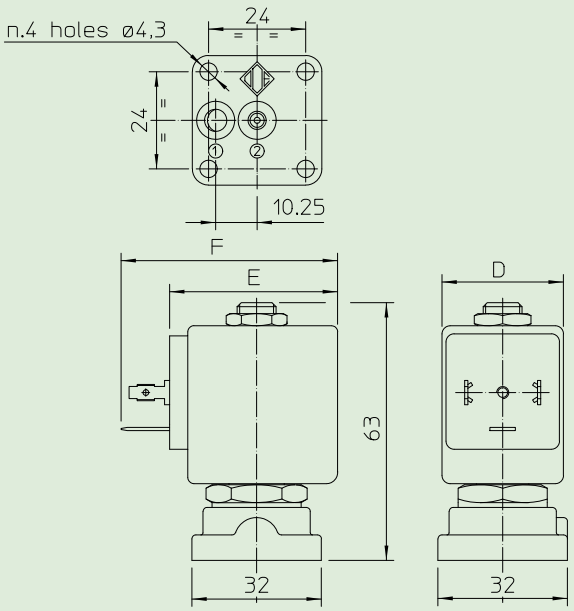
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   Code R450820/***R***
3. **Complete armature tube:**
   Code R450606
4. **Gasket O-Ring:**
   Code R990002/**S**

KIT:

KT130K***R***30-A=***2+3***

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

21A1KV15 ÷ 21A1KV30

: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: subplate mounting

COILS

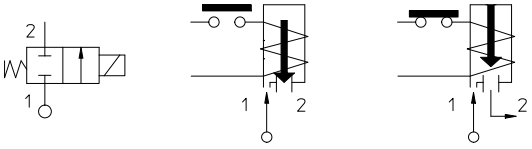
8W - Ø 13 (1)
BDA - BSA 155°C (class F)
BDV 180°C (class H)
12W - Ø 13
UDA 155°C (class F)
14W - Ø 13
GDH - GDV 180°C (class H)

(1) Explosion-proof housing for coils with electrical connections EN 175301-803 on request.

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

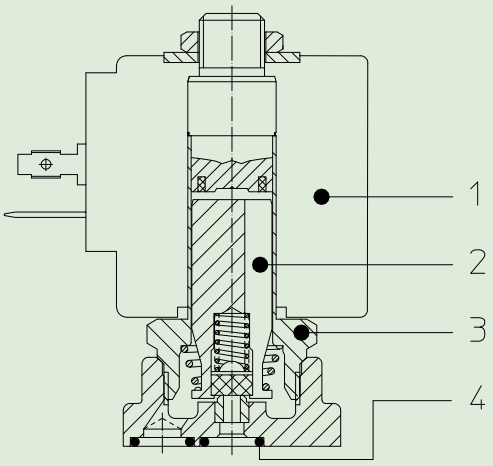
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21A1K**B**15.

Pipe	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
SUBPLATE MOUNTING	21A1K**V**15	12	~ 2	1,5	1,4	8	0	30	18
	21A1K**V**20	37	~ 5	2	2	8		22	16
						12		35	30
						14			
	21A1K**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	21A1K**V**30			3	4	8		10	6
						12		25	18
						14			20



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: Insert slot	Stainless steel AISI series 300
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.

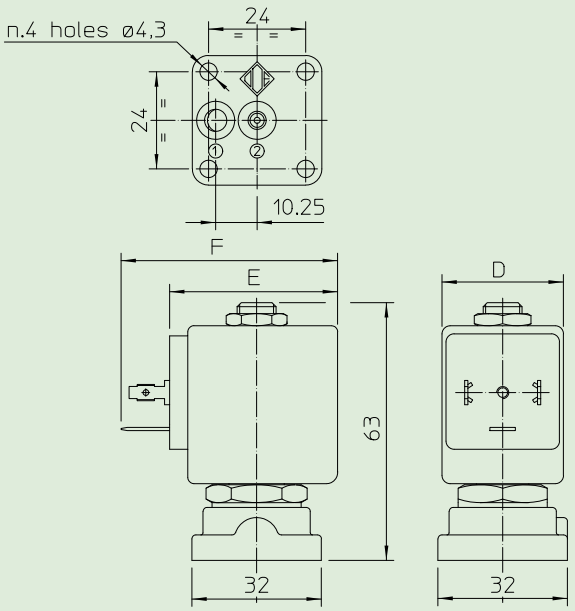
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   Code R450886/***V***
3. **Complete armature tube:**
   Code R450606
4. **Gasket O-Ring:**
   Code R990002/***V***

KIT:

KT130K***V***30-A=***2+3***

DIMENSIONS:



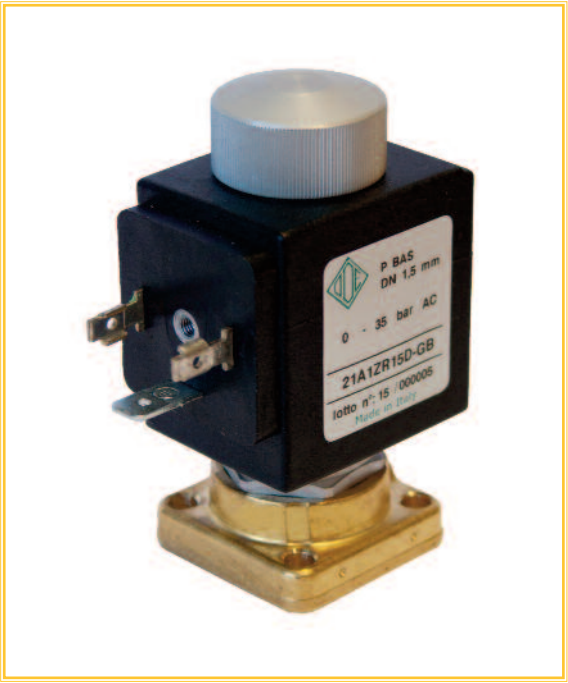
COIL TYPE	POWER ABSORPTION			DIMENSIONS		
	W ⎓	Hold VA ~	Inrush VA ~	D mm	E mm	F mm
B	8	14,5	25	30	42	54
U	12	23	35	36	48	60
G	14	27	43	52	55	67

Solenoid valve 2/2 way N.O.
Direct acting - dampness-proof IP 67

21A1ZR15D-GB

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, Refrigeration, Compressors, Heating

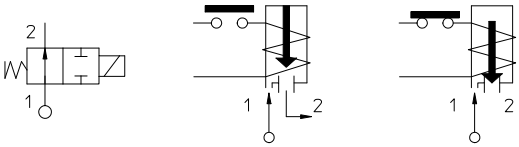
PIPES: subplate mounting

COIL: 8W - Ø 13
BDV 180°C (class H)

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

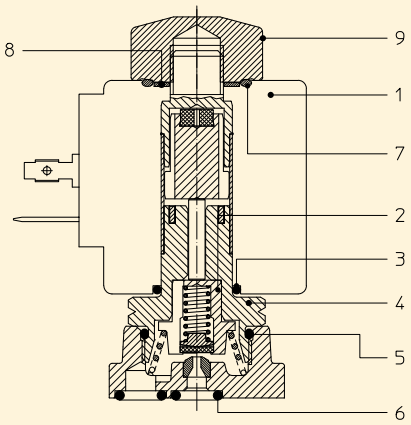
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



Pipe	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
SUBPLATE MOUNTING	21A1Z**R**15D-GB	12	~ 2	1,5	1,4	8	0	35	35

Note
Also available with brass body without lead.
For dampness-proof cup see catalogue page R453882/B÷R453882/U
Available on request and with minimum quantities.



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	R=RUBY
Orifice: Insert slot	Stainless steel AISI series 300

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

FEATURES:

Electrical conformity	IEC 335
Protection degree	IP 67 EN 60529 (DIN 40050) with coil fitted by connector dedicated

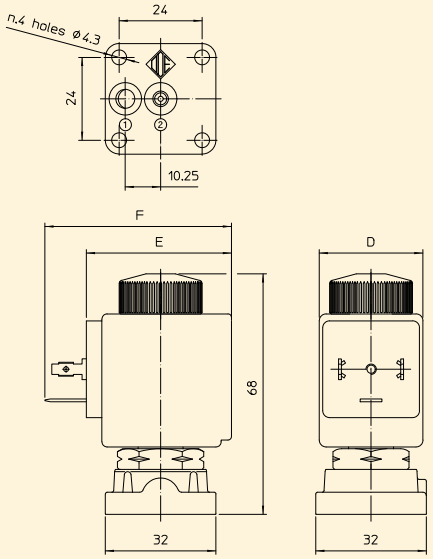
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete diaphragm support:**
   Code R450789/***V***
3. **Gasket O-Ring:**
   Code R990015/***S***
4. **Complete armature tube without gasket:**
   Code R450573
5. **Gasket O-Ring:**
   Code R990000/***V***
6. **Gasket O-Ring:**
   Code R990002/***S***
7. **Gasket O-Ring:**
   Code R990001/***S***

KIT:

KT130Z***R***30-FG=***2+3+4+5+7+8+9***

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

21A1ZR20D-TF

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: subplate mounting

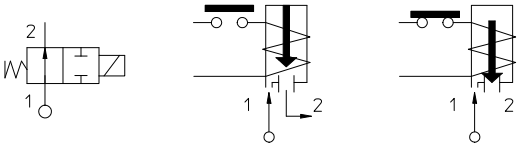
COIL: 8W - Ø 13

BDA - BSA	155°C (class F)
BDV	180°C (class H)

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

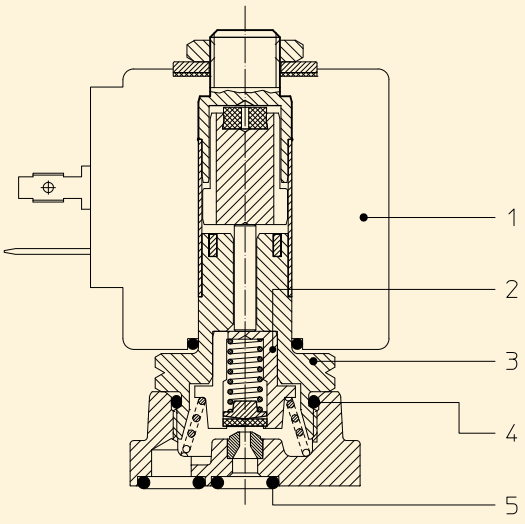
Max. allowable pressure ((PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



Pipe	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
SUBPLATE MOUNTING	21A1Z**R**20D-TF	37	~ 5	2	2	8	0	30	30

Note
Available on request and with minimum quantities.



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	R=RUBY
Orifice: Insert slot	Stainless steel AISI series 300

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.

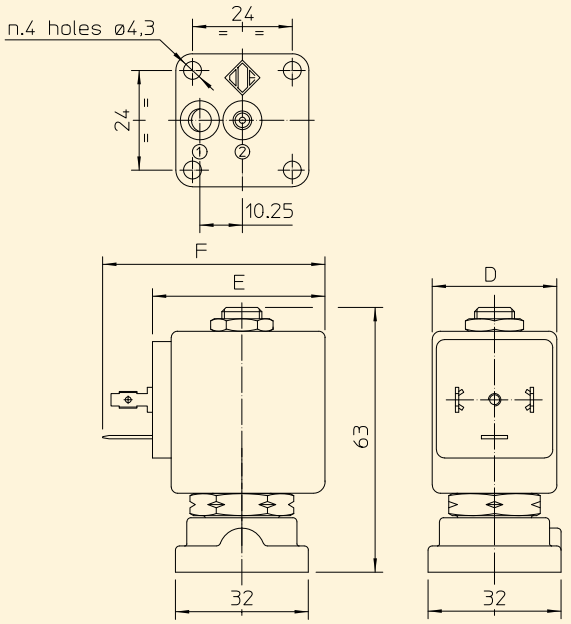
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete diaphragm support:**
   Code R450789
3. **Complete armature tube without gasket:**
   Code R450573
4. **Gasket O-Ring:**
   Code R990000/**F**
5. **Gasket O-Ring:**
   Code R990002/**F**

KIT:

KT130Z**R**30-FF***=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 - dampness-proof IP 67

21A1ZV25D-X007

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, Refrigeration, Compressors, Heating

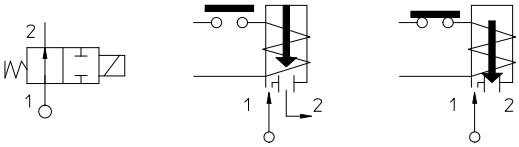
PIPES: subplate mounting

COIL: 8W - Ø 13
BDV 180°C (class H)

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

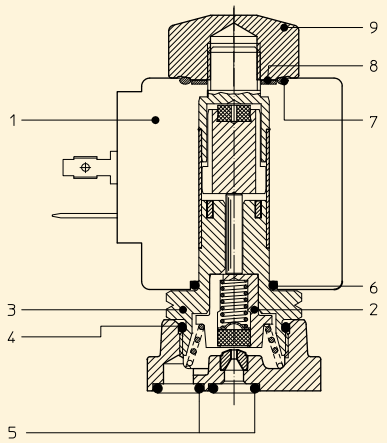
Max. allowable pressure ((PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



Pipe	Code	Max viscosity		Ø	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
SUBPLATE MOUNTING	21A1Z**V**25D-X007	53	~ 7	2,5	3,2	8	0	14	14

Note
Also available with brass body without lead.
For dampness-proof cup see catalogue page R453882/B÷R453882/U
Available on request and with minimum quantities.



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	V=FKM
Orifice: Insert slot	Stainless steel AISI series 300

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

FEATURES:

Electrical conformity	IEC 335
Protection degree	IP 67 EN 60529 (DIN 40050) with coil fitted by connector dedicated.

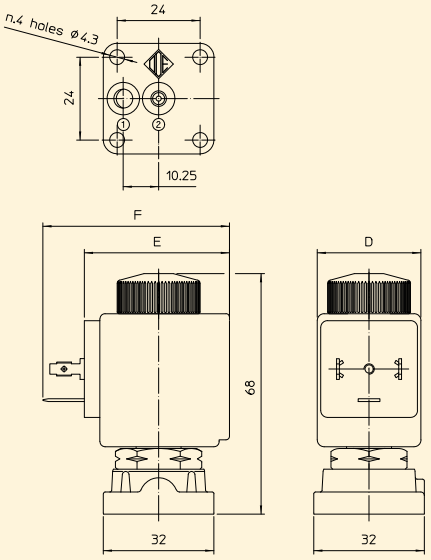
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete diaphragm support:**
   Code R450788/***V***
3. **Complete armature tube without gasket:**
   Code R450573
4. **Gasket O-Ring:**
   CodeR990000/***V***
6. **Gasket O-Ring:**
   Code R990002/***VV***

KIT:

KT130Z***V***30-FG=***2+3+4+6+7+8+9***

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

21A2K0E45-OR
÷
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

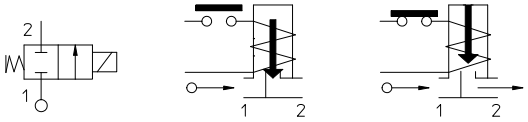
PIPES: G 1/4

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

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

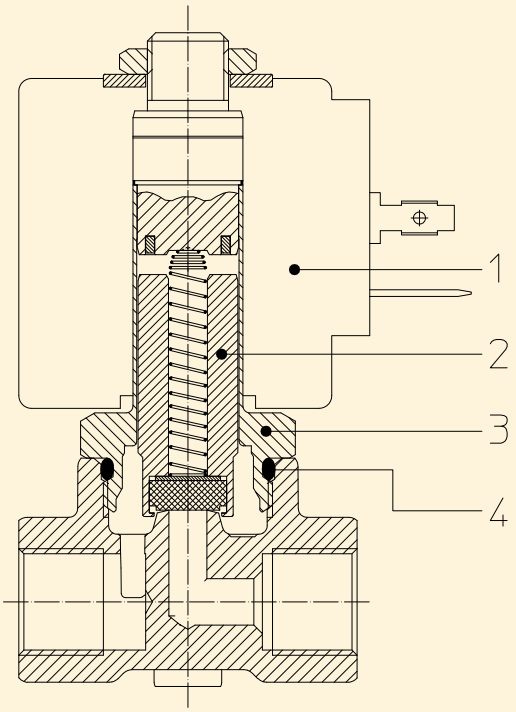
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



Pipe ISO 228/1	Code	Max viscosity		Ø	Kv	Potenza	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
G 1/4	21A2K0**E**45-OR	53	~ 7	4,5	6,5	8	0	5	2
	21A2K0**E**55-OR			5,5	9			3	1

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



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	E=EPDM
Orifice	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.

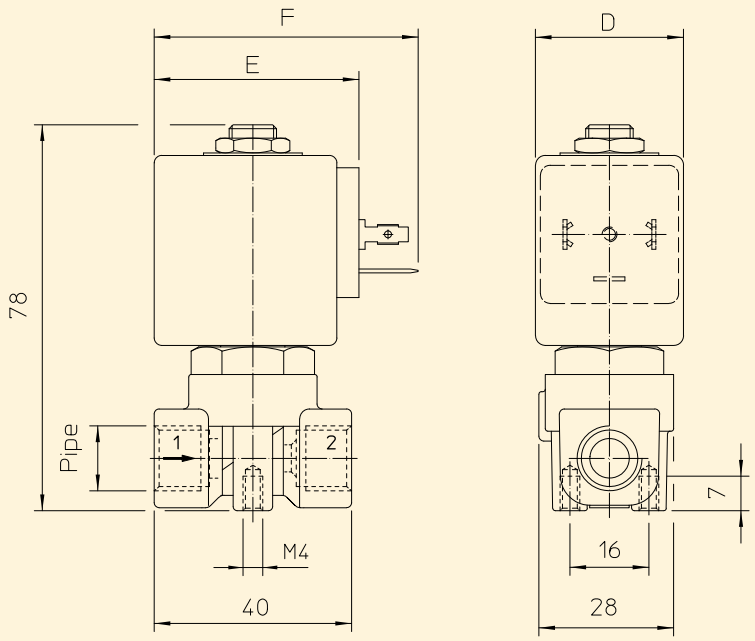
SPARE PARTS:

1. **Coil:**
   BDF08024DS
2. **Complete plunger:**
   Code R450898/**E**
3. **Complete armature tube:**
   Code R450603
4. **Gasket O-Ring:**
   Code R990000/**E**

KIT:

KT130K**E**55-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

21A2K0V25-W ÷ 21A2K0V55-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

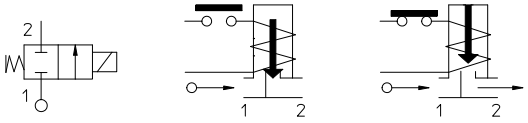
COILS:

8W - Ø13	
BDA - 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) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

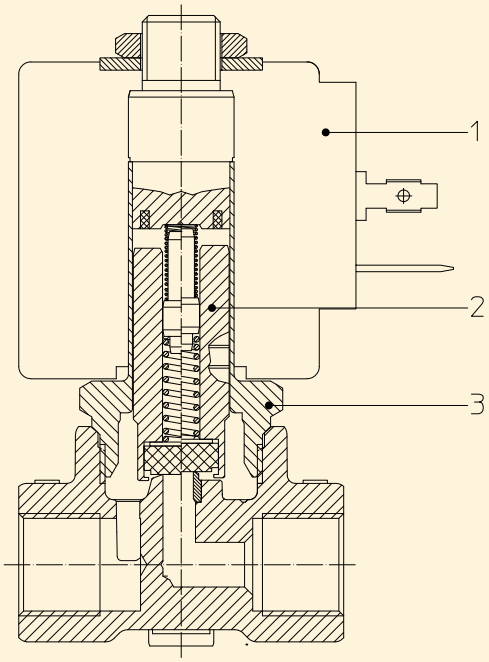
Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water
E=EPDM (ethylene-propylene)	- 10°C	+140°C	Water, steam



For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21A2K0**B**30-W.

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 1/4	21A2K0**V**25-W	53	~ 7	2,5	3,2	8	0	35	20
	21A2K0**V**30-W			3	4			18	13
	21A2K0**V**45-W			4,5	6,5			10	5
						12		17	8
						14		18	16
	21A2K0**V**55-W			5,5	9	8		7	2
						12		10	3,5
						14		13	7

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



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.

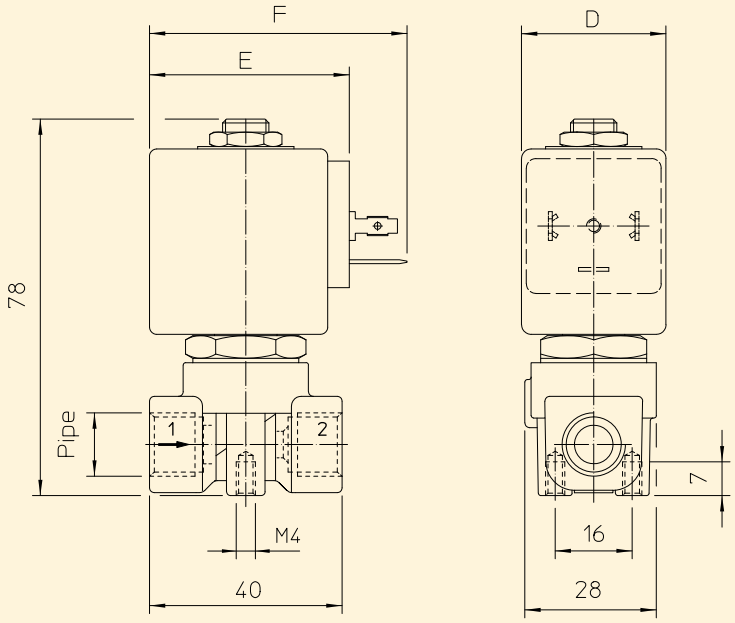
SPARE PARTS:

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

KIT:

KT130K***V***55-AM=***2+3***

DIMENSIONS:



Typ	Pipe ISO 228/1
21A2K0**V**25-W	G 1/4
21A2K0**V**30-W	
21A2K0**V**45-W	
21A2K0**V**55-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

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

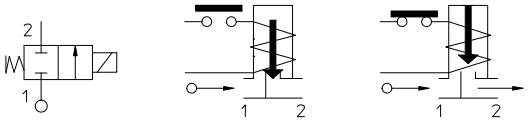
COILS: 8W - Ø13

BDA - BSA	155°C (class F)
BDV	180°C (clase H)

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

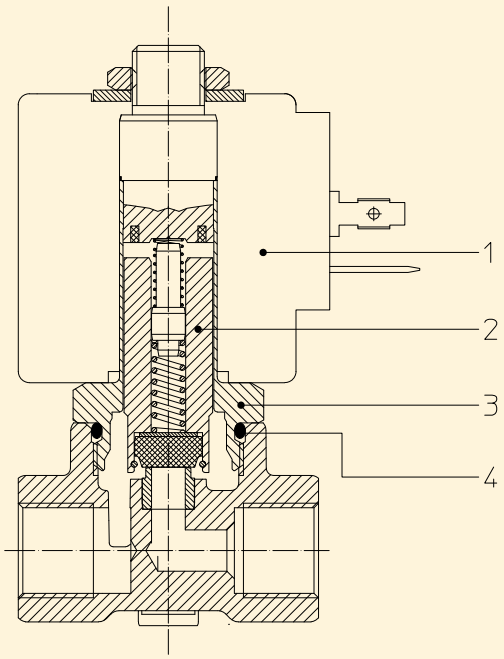
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
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	Kv	Power	Pressure		
							min	M.O.P.D.	
		cSt	°E	mm	l/mn	watt	bar	AC bar	DC bar
G 1/4	21A2K***L***45-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.



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	R=Rulon
Orifice: Insert slot	Stainless steel AISI series 300

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.

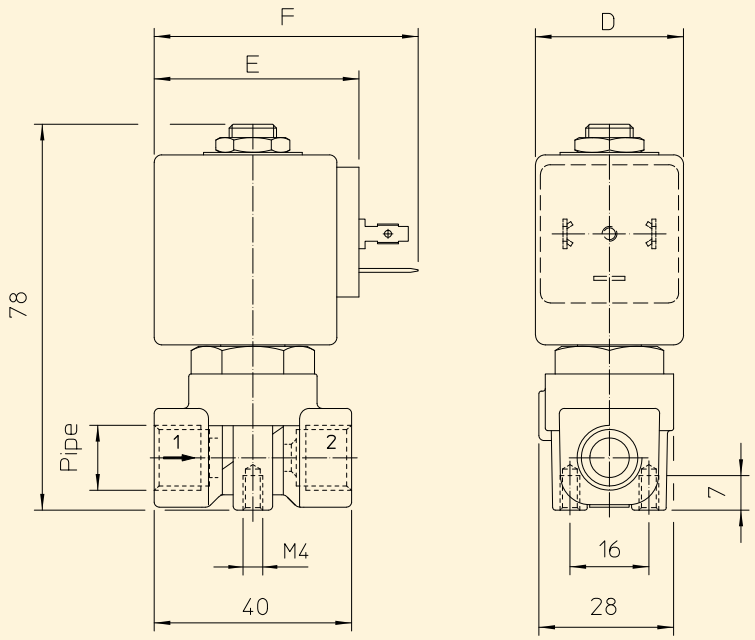
SPARE PARTS:

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

KIT:

KT130K***L***55-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.C.
Direct acting

21A2K*T*55-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

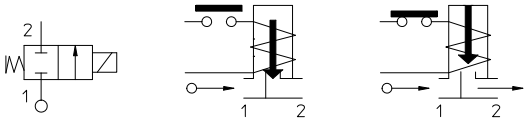
COILS: 8W - Ø 13

BDA - BSA	155°C	(class F)
BDV	180°C	(class H)

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

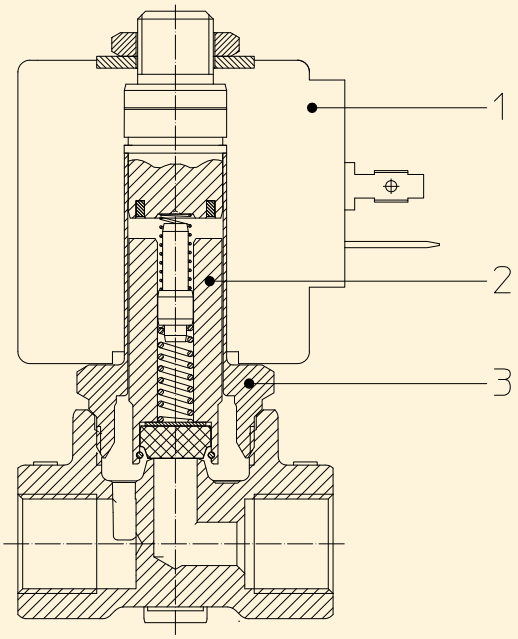
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



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 1/4	21A2K***T***55-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



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	T=PTFE
Orifice	Brass - UNI EN 12165 CW617N

On request:

Connector	Pg 9 or Pg 11
Connector conformity	ISO 4400

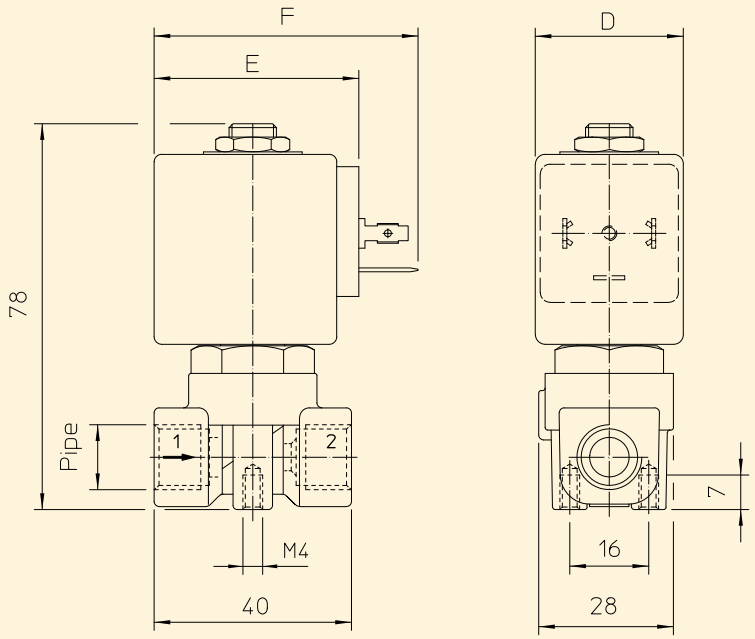
FEATURES:

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 R451234/***T***
3. **Complete armature tube:**
   Code R450606

DIMENSIONS:



BOBINE TYPE	PUISSANCE NOMINALE			Ecombrements		
	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.O.
Direct acting

21AN2ZR20D-TF

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)

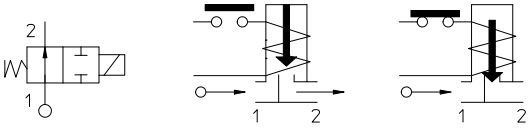
PIPES: 1/4 NPT

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

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

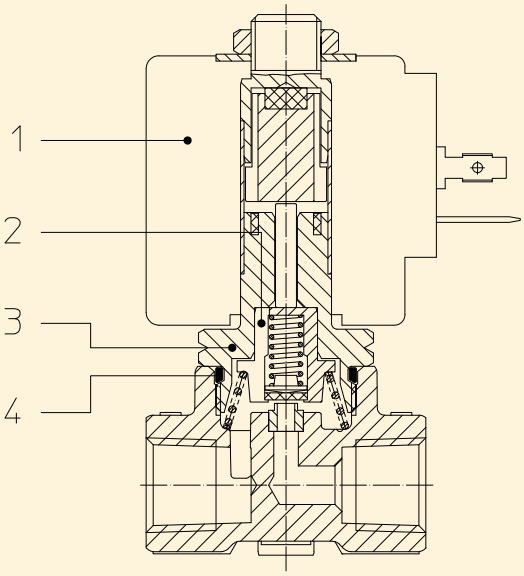
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



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	21AN2Z**R**20D-TF	37	~ 5	2	2	8	0	30	30

Note
Available on request and with minimum quantities.
The use of rigid sealings usually implies a slight leakage, limited within 2 scc/min at the pressure of 1 bar.



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	R=RUBY
Orifice: Insert slot	Stainless steel AISI series 300

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.

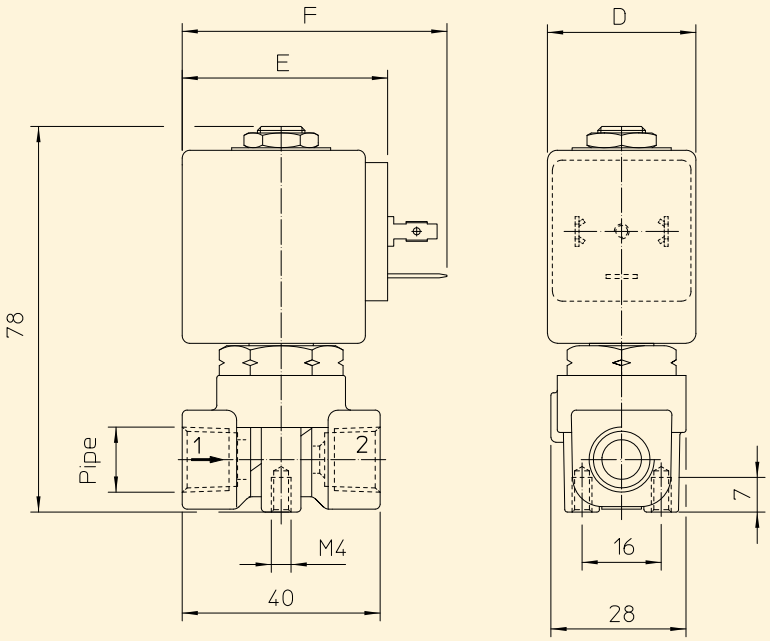
SPARE PARTS:

1. **Coil:** BDV08224BU
2. **Complete diaphragm support:** Code R450789
3. **Complete armature tube without gasket:** Code R450573
4. **Gasket O-Ring:** Code R990000/**F**

KIT:

KT130Z**R**30-FF***=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

21A3K*V*10 ÷ 21A2K*V*55

: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 - 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)

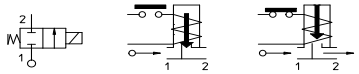
(1) Explosion-proof housing for coils with electrical connections EN 175301-803 on request.

COIL HOUSING AND COIL FORMER MATERIAL 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

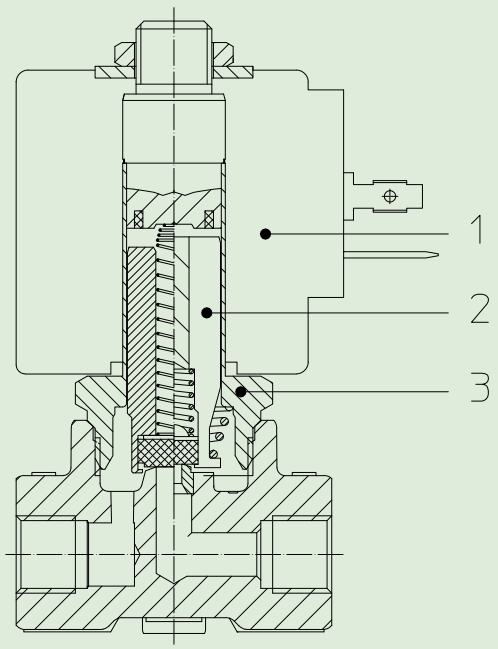
For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21A2K**E**20.

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.



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 1/8	21A3K**V**10	12	~ 2	1	0,45	8	0	35	35
						12			
	21A3K**V**15			1,5	1,4	8		30	18
								22	16
	21A3K**V**20	37	~ 5	2	2	12		35	30
						14			
	21A3K**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	21A3K**V**30			3	4	8		10	6
						12		25	18
						14			20
	21A3K**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
G 1/4	21A2K**V**10	12	~ 2	1	0,45	8		35	35
						12			
	21A2K**V**15			1,5	1,4	8		30	18
								22	16
	21A2K**V**20	37	~ 5	2	2	12		35	30
						14			
	21A2K**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	21A2K**V**30			3	4	8		10	6
						12		25	18
						14			20
	21A2K**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
	21A2K**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5

Note Also available with brass body without lead.



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.

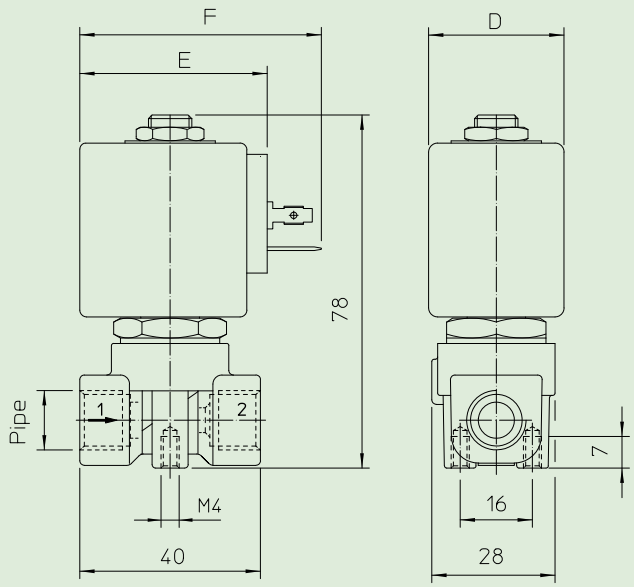
SPARE PARTS:

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

KIT:

≤ 3 mm
KT130K***V***30-A=***2+3***
> 3 mm
KT130K***V***55-A=***2+3***

DIMENSIONS:



Type	Pipe ISO 228/1
21A3K**V**	G 1/8
21A2K**V**	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

21A3K*R*15 ÷ 21A2K*R*30

: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

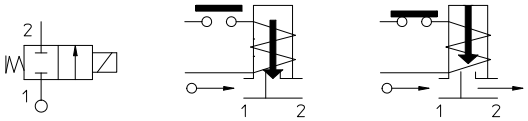
COILS: 8W - Ø 13

BDA - BSA	155°C	(class F)
BDV	180°C	(class H)

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

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

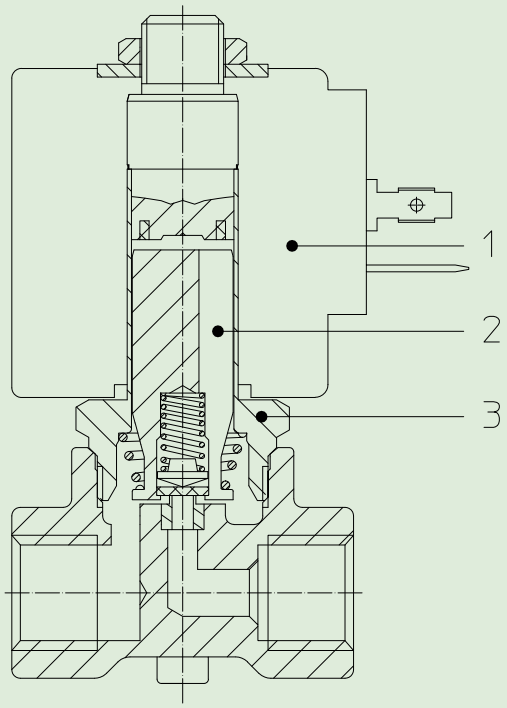
Gaskets	Temperature		Medium
R=RUBY	- 40°C	+180°C	Steam, water, mineral oils (2°E), gas oil, fuel oils (7°E)
T=PTFE (polytetrafluorethylen)	- 40°C	+180°C	Steam, water



For seals other than RUBY replace the letter "**R**" with the ones corresponding to the other seals. E.I. 21A3K**T**15.

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 1/8	21A3K**R**15	12	~ 2	1,5	1,4	8	0	35	15
	21A3K**R**20	37	~ 5	2	2			25	9
	21A3K**R**25	53	~ 7	2,5	3,2			14	5
	21A3K**R**30			3	4			10	4
G 1/4	21A2K**R**15	12	~ 2	1,5	1,4			35	15
	21A2K**R**20	37	~ 5	2	2			25	9
	21A2K**R**25	53	~ 7	2,5	3,2			14	5
	21A2K**R**30			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.



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: R=RUBY On request: T=PTFE
Orifice: Insert slot	Stainless steel AISI series 300
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.

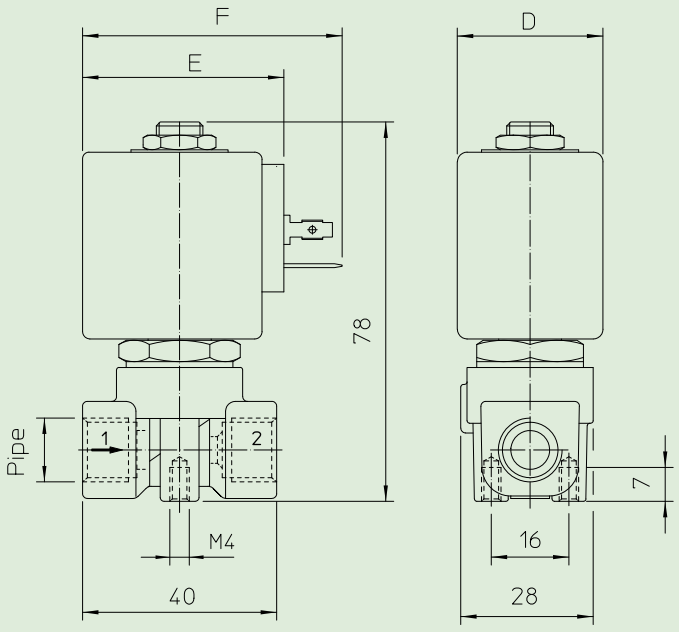
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   Code R450820/***R***
3. **Complete armature tube:**
   Code R450606

KIT:

KT130K***R***30-A=***2+3***

DIMENSIONS:



Type	Pipe ISO 228/1
21A3K**R**	G 1/8
21A2K**R**	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.O.
Direct acting

21A3Z*R*15D ÷ 21A2Z*R*30G

: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)

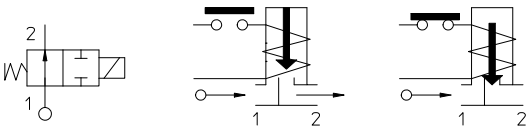
PIPES: G 1/8 - G 1/4

COILS:

8W - Ø 13		
BDA - 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.

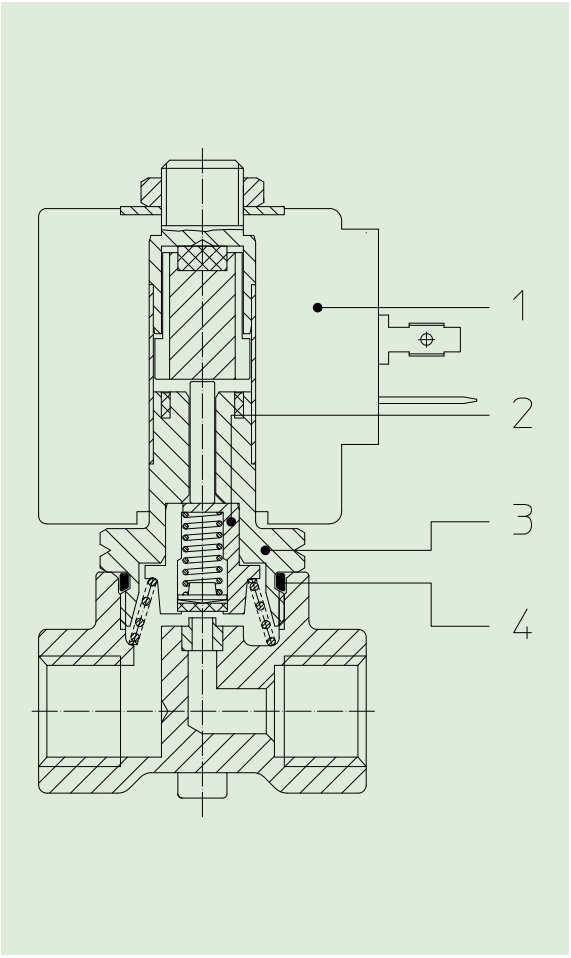
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.



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

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 1/8	21A3Z**R**15D	12	~ 2	1,5	1,4	8	0	35	35
	21A3Z**R**20D	37	~ 5	2	2			30	30
	21A3Z**R**25D	53	~ 7	2,5	3,2			16	16
	21A3Z**R**25G					12		17	17
						14			
	21A3Z**R**30D			3	4	8		10	10
	21A3Z**R**30G					12		15	15
						14			
G 1/4	21A2Z**R**15D	12	~ 2	1,5	1,4	8		35	35
	21A2Z**R**20D	37	~ 5	2	2			30	30
	21A2Z**R**25D	53	~ 7	2,5	3,2			16	16
	21A2Z**R**25G					12		17	17
						14			
	21A2Z**R**30D			3	4	8		10	10
	21A2Z**R**30G					12		15	15
						14			

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.



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	R=RUBY
Orifice: Insert slot	Stainless steel AISI series 300
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.

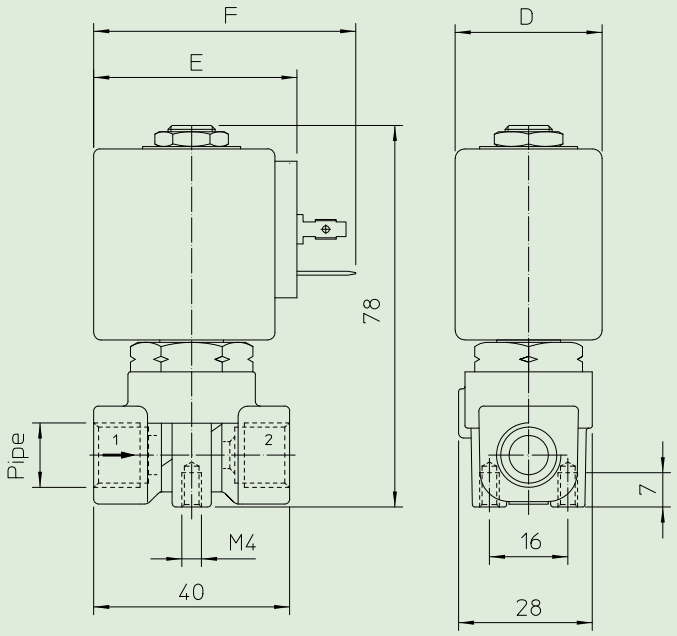
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete diaphragm support:**
   8W Code R450789
   12W - 14W Code R450789/14
3. **Complete armature tube without gasket:**
   Code R450573
4. **Gasket O-Ring:**
   Code R990000/***V***

KIT:

8W
KT130Z***R***30-F=***2+3+4***
12W - 14W
KT130Z***R***30-G=***2+3+4***

DIMENSIONS:



Type	Pipe ISO 228/1
21A3Z**R**	G 1/8
21A2Z**R**	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:

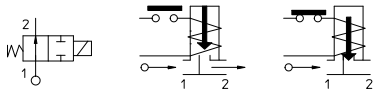
8W - Ø 13		
BDA - BSA	155°C	(class F)
BDV	180°C	(class H)
12W - Ø 13		
UDA	155°C	(class F)
14W - Ø 13		
GDH - GDV	180°C	(class H)

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

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

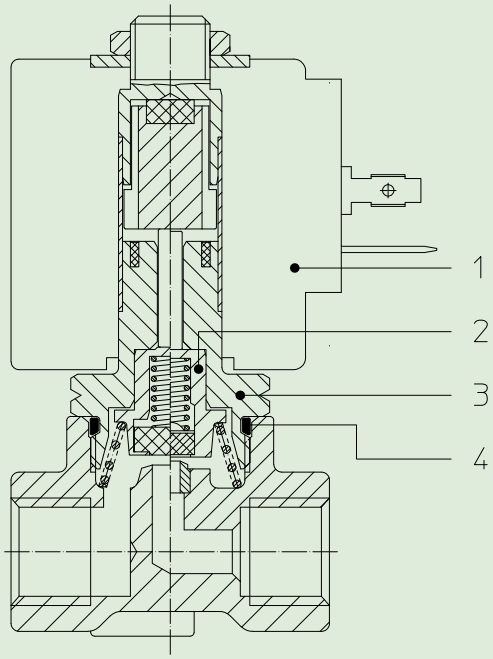
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21A3Z**B**20D.



Pipe ISO 228/1	Code	Max viscosity cSt	Max viscosity °E	Ø mm	Kv l/mn	Power watt	Pressure min bar	Pressure M.O.P.D. AC bar	Pressure M.O.P.D. DC bar
G 1/8	21A3ZV15D	12	~ 2	1,5	1,4	8	0	25	25
	21A3ZV20D	37	~ 5	2	2	8		20	20
	21A3ZV20G					12		30	30
						14			
	21A3ZV25D	53	~ 7	2,5	3,2	8		14	14
	21A3ZV25G					12		17	17
						14			
	21A3ZV30D			3	4	8		10	10
	21A3ZV30G					12		15	15
						14			
	21A3ZV45D			4,5	6,5	8		4	4
	21A3ZV45G					12		6	-
						14			6
G 1/4	21A2ZV15D	12	~ 2	1,5	1,4	8		25	25
	21A2ZV20D	37	~ 5	2	2	8		20	20
	21A2ZV20G					12		30	30
						14			
	21A2ZV25D	53	~ 7	2,5	3,2	8		14	14
	21A2ZV25G					12		17	17
						14			
	21A2ZV30D			3	4	8		10	10
	21A2ZV30G					12		15	15
						14			
	21A2ZV45D			4,5	6,5	8		4	4
	21A2ZV45G					12		6	-
						14			6
	21A2ZV55D			5,5	9	8		2,5	2,5
	21A2ZV55G					12		3,5	-
						14			3,5

Note Also available with brass body without lead.



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
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.

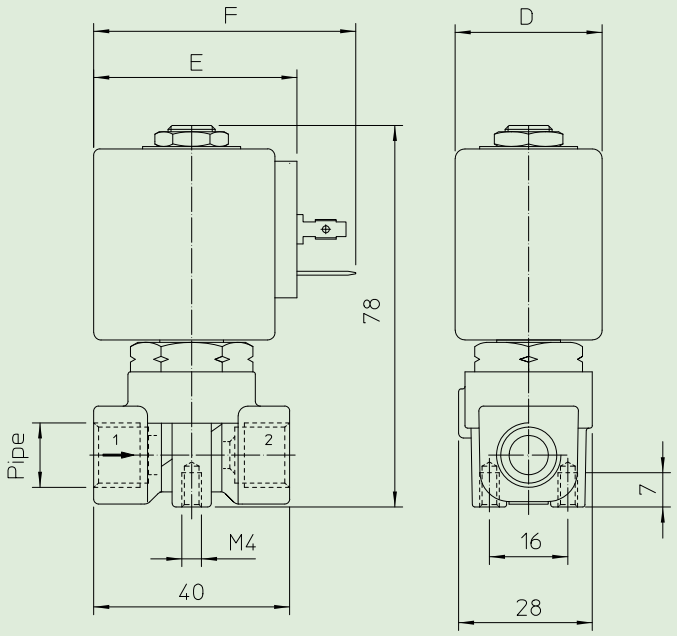
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete diaphragm support:**
   For orifice ≤ 3 mm
   8W Code R450788/***V***
   12W - 14W
   Code R450788/***V14***
   For orifice > 3 mm
   8W Code R450786/***V***
   12W - 14W
   Code R450786/***V14***
3. **Complete armature tube without gasket:**
   Code R450573
4. **Gasket O-Ring:**
   Code R990000/***V***

KIT:

Orifice ≤3 mm
8W
KT130Z***V***30-F=***2+3+4***
12W - 14W
KT130Z***V***30-G=***2+3+4***
Orifice >3 mm
8W
KT130Z***V***55-F=***2+3+4***
12W - 14W
KT130Z***V***55-G=***2+3+4***

DIMENSIONS:



Type	Pipe ISO 228/1
21A3Z**V**	G 1/8
21A2Z**V**	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

212A3K*V*15 ÷ 212A2K*V*55

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:

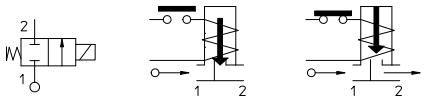
8W - Ø 13		
BDA - BSA	155°C	(class F)
BDV	180°C	(class H)
12W - Ø 13		
UDA	155°C	(class F)
14W - Ø 13		
GDH - GDV	180°C	(class H)

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

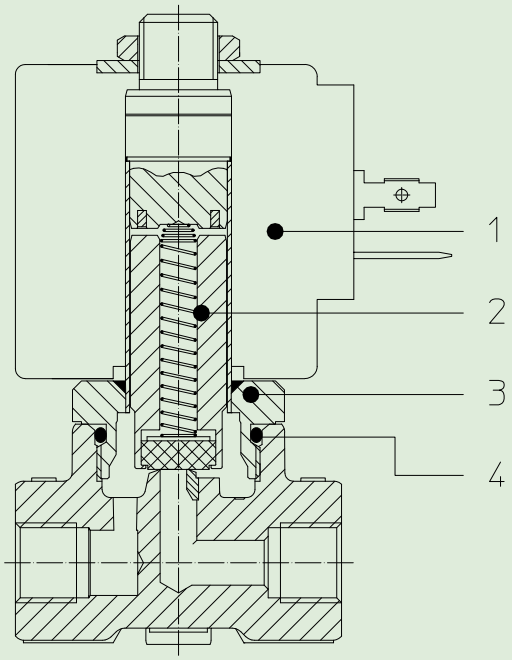
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E), gasoline gas 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. 212A2K**B**15.



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 1/8	212A3K**V**15	12	~ 2	1,5	1,4	8	0	30	18
	212A3K**V**20	37	~ 5	2	2	8		22	16
						12		35	30
						14			
	212A3K**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	212A3K**V**30			3	4	8		10	6
						12		25	18
						14			20
	212A3K**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
G 1/4	212A2K**V**15	12	~ 2	1,5	1,4	8		30	18
	212A2K**V**20	37	~ 5	2	2	8		22	16
						12		35	30
						14			
	212A2K**V**25	53	~ 7	2,5	3,2	8		14	9
						12		30	25
						14			
	212A2K**V**30			3	4	8		10	6
						12		25	18
						14			20
	212A2K**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
	212A2K**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5



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.

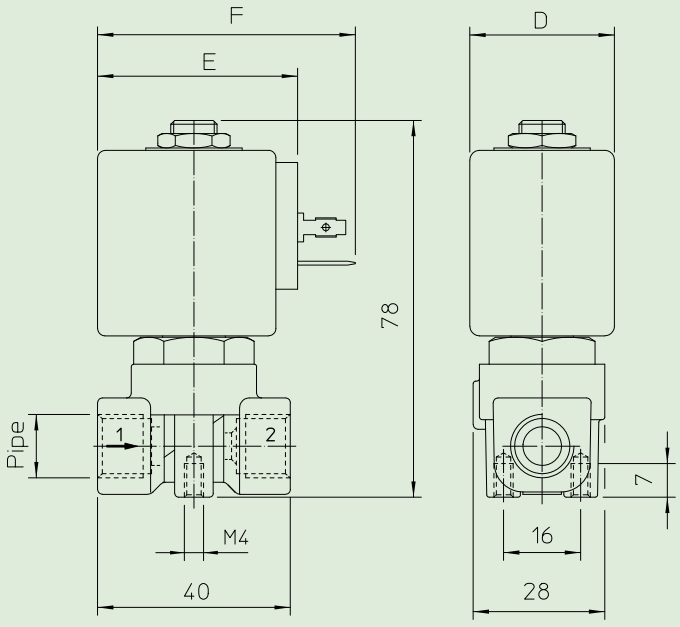
SPARE PARTS:

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:

KS130K***V***55-F= ***2+3+4***

DIMENSIONS:



Type	Pipe ISO 228/1
212A3K**V**	G 1/8
212A2K**V**	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

21A5K*T*45 ÷ 21A8K*T*55

: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

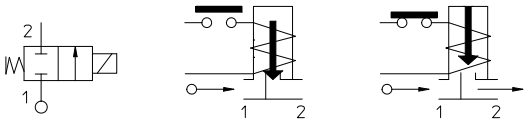
COILS:

8W - Ø 13		
BDA - 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)

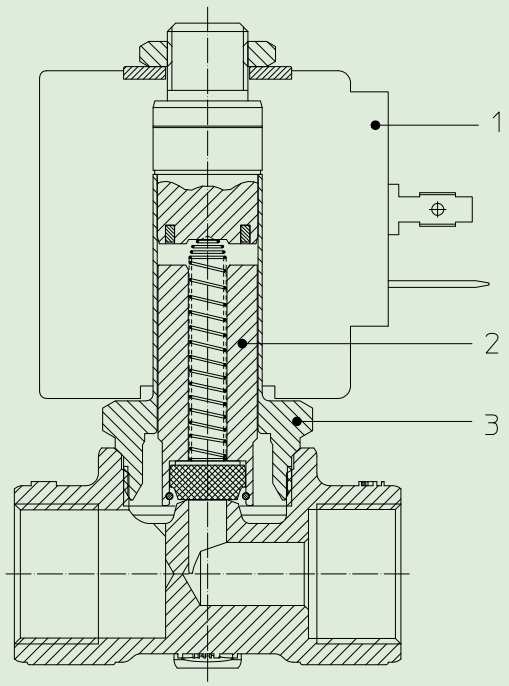
COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

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



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	21A5K**T**45	-	-	4,5	6,5	8	0	5	1,5
						12		10	3,5
						14		12	6
	21A5K**T**55			5,5	9	8		3,5	1
						12		6	2
						14		7	5
G 1/2	21A8K**T**45			4,5	6,5	8		5	1,5
						12		10	3,5
						14		12	6
	21A8K**T**55			5,5	9	8		3,5	1
						12		6	2
						14		7	5



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	T=PTFE
Orifice	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.

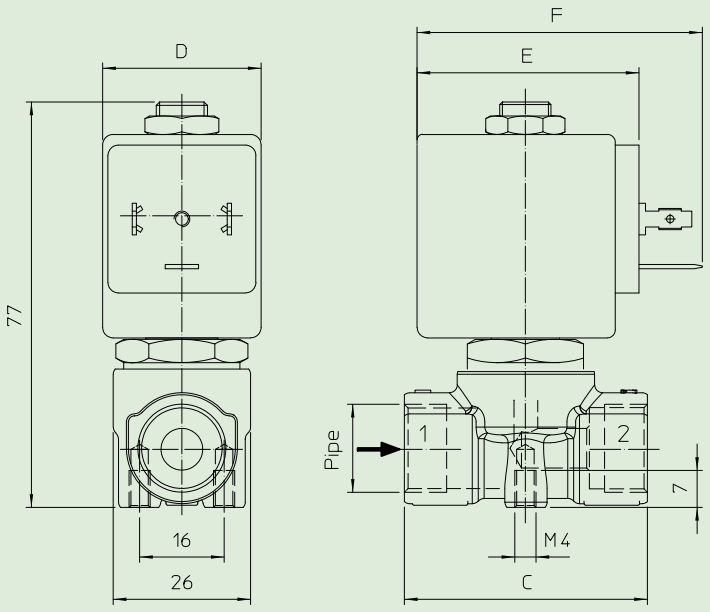
SPARE PARTS:

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

KIT:

KT130K***T***55-A=***2+3***

DIMENSIONS:



Type	Pipe ISO 228/1	C mm
21A5K***T***	G 3/8	46
21A8K***T***	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

21A5K*V*45 ÷ 21A8K*V*55

: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

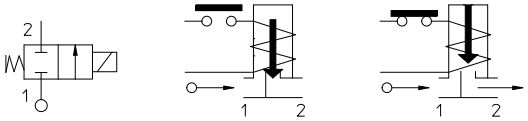
COILS:

8W - Ø 13
BDA - 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)
(1) Explosion-proof housing for coils with electrical connections EN 175301-803 on request.

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

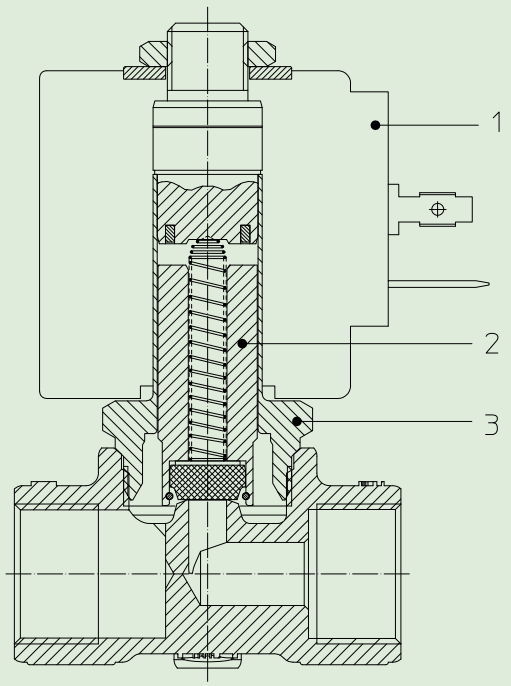
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas 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. 21A5K**B**55.

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	21A5K**V**45	53	~ 7	4,5	6,5	8	0	5	2
						12		12	7
						14			8
	21A5K**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5
G 1/2	21A8K**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
	21A8K**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5



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
Orifice	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.

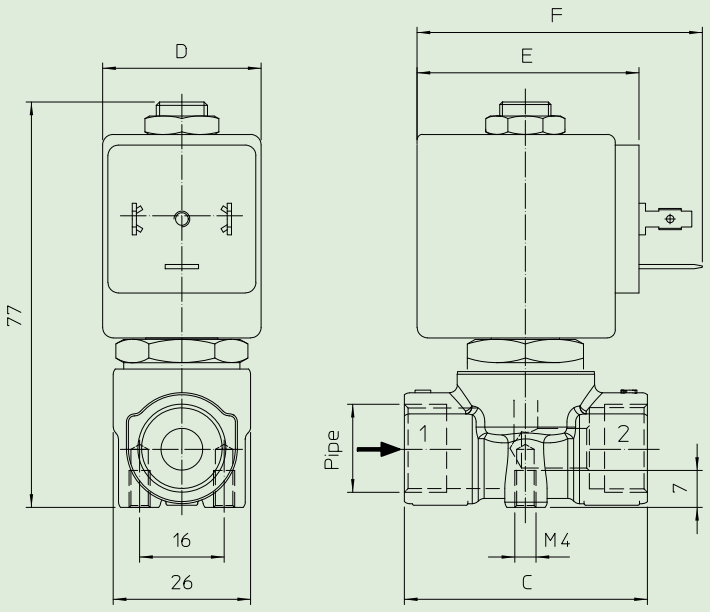
SPARE PARTS:

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

KIT:

KT130K***V***55-A=***2+3***

DIMENSIONS:



Type	Pipe ISO 228/1	C mm
21A5K***V***	G 3/8	46
21A8K***V***	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

21A5K*V*45-W ÷ 21A8K*V*80-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 - G 1/2

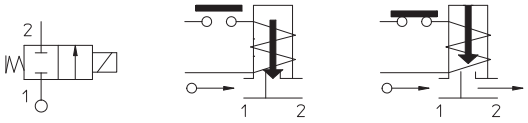
COILS:

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) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

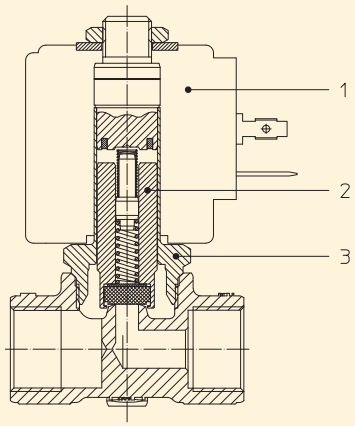
Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas oil, fuel oils (7°E)
B=NBR (nitrile rubber)	- 10°C	+ 90°C	Air, inert gas, water
E=EPDM (ethylene-propylene	- 10°C	+140°C	Water, low pressure steam

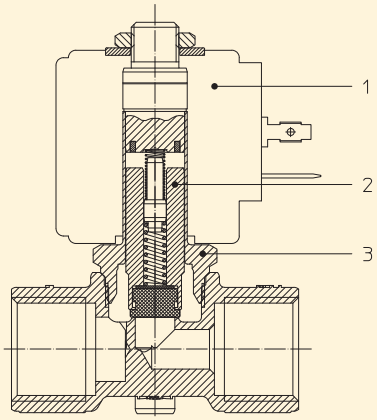


For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21A5K**B**55-W.

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	21A5K**V**45-W	53	~ 7	4,5	6,5	8	0	10	5
						12		17	8
						14		18	16
	21A5K**V**55-W			5,5	9	8		7	2
						12		10	3,5
						14		13	7
G 1/2	21A8K**V**45-W			4,5	6,5	8		10	5
						12		17	8
						14		18	16
	21A8K**V**55-W			5,5	9	8		7	2
						12		10	3,5
						14		13	7
	21A8K**V**80-W			8	15	8		1	0,5

Note.
Available on request and with minimum quantities.





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	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.

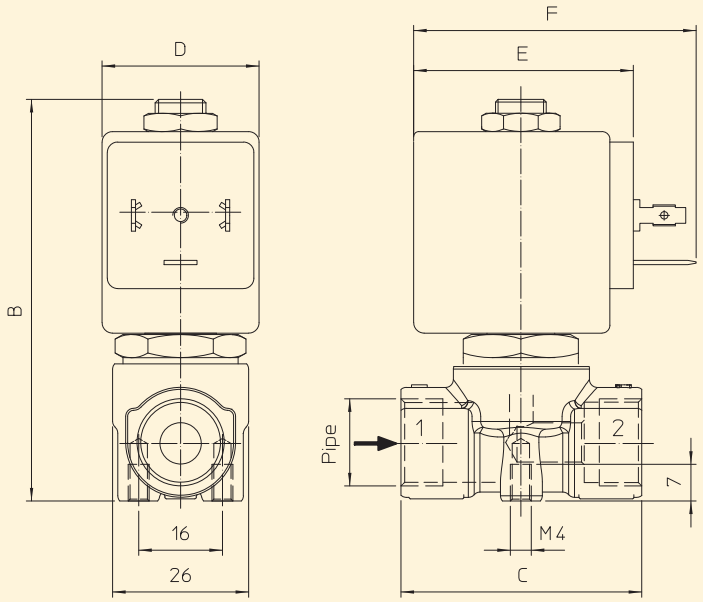
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete plunger:**
   For orifice >3 ≤ 5,5 mm
   Code R450898/***V***-2561
   For orifice > 5,5 mm
   Code R453314/***V***
3. **Complete armature tube:**
   Code R450606

KIT:

>3 ≤ 5,5 mm
KT130K***V***55-AM =**2+3**
> 5,5 mm
KT130K***V***85-AM =**2+3**

DIMENSIONS:



Type	Pipe ISO 228/1	B mm	C mm
21A5K***V***	G 3/8	77	46
21A8K***V***	G 1/2		58
21A8K***V***80		80	

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

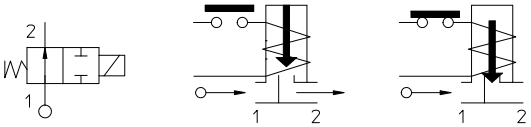
COILS:

8W - Ø 13		
BDA - 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.

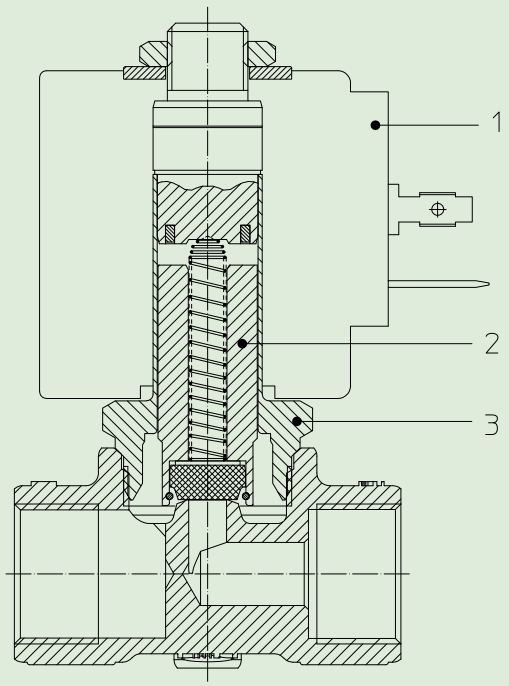
Max. allowable pressure (PS) 40 bar
Ambient temperature:
See coils catalogue page for its compatibility.

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Mineral oils (2°E),gasoline gas 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. 21A5Z**B**45D.

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



MATERIALS::

Body	Brass - UNI EN 12165 CW617N
Armature tube	Stainless steel AISI series 400
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	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.

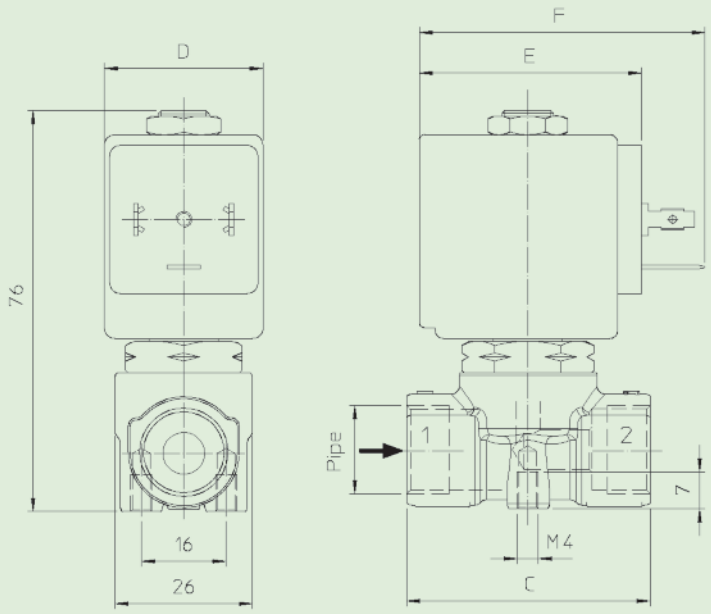
SPARE PARTS:

1. **Coil:**
   See coils list
2. **Complete diaphragm support:**
   8W Code R450786/***V***
   12W - 14W
   Code R450786/***V14***
3. **Complete armature tube without gasket:**
   Code R450573
4. **Gasket O-Ring:**
   Code R990000/***V***

KIT:

8W
KT130Z***V***55-F=***2+3+4***
12W -14W
KT130Z***V***55-G=***2+3+4***

DIMENSIONS:



Type	Pipe ISO 228/1	C mm
21A5Z***V***	G 3/8	46
21A8Z***V***	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

212A5K*V*45 ÷ 212A8K*V*55

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

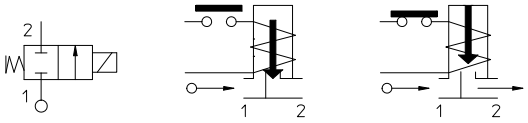
COILS:

8W - Ø 13		
BDA - 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)

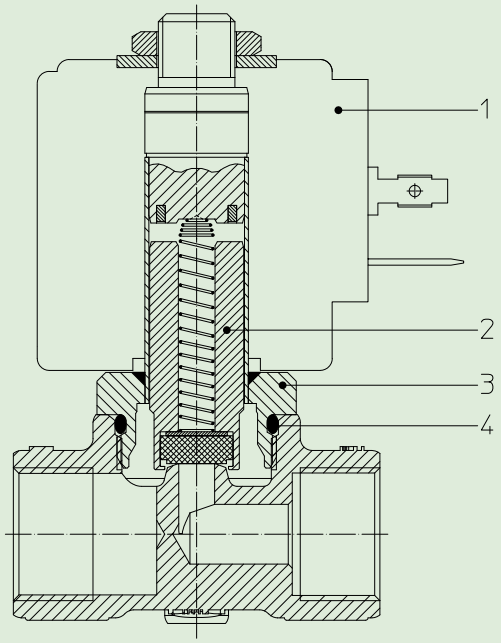
COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL

Max. allowable pressure (PS) 40 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 oil, fuel oils (7°E)



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	212A5K**V**45	53	~ 7	4,5	6,5	8	0	5	2
						12		12	7
						14			8
	212A5K**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5
G 1/2	212A8K**V**45			4,5	6,5	8		5	2
						12		12	7
						14			8
	212A8K**V**55			5,5	9	8		3	1
						12		7	2,5
						14		10	5



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	V=FKM
Orifice	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.

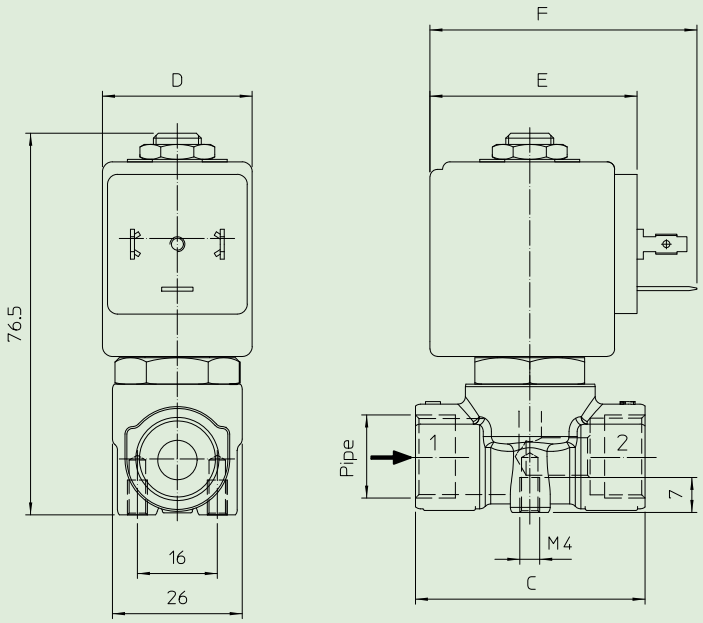
SPARE PARTS:

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:

KS130K***V***55-F= ***2+3+4***

DIMENSIONS:



Type	Pipe ISO 228/1	C mm
212A5K***V***	G 3/8	46
212A8K***V***	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