



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

21X2KV120

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21X4KV250

PRESENTATION:

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

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

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

USE: Automation, Chemistry,
Low pressure steam

PIPES: G 1/2 - G 1

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

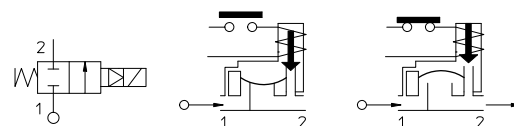
.MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 25 bar
Environment temperature:
with coil class **F** or high temperatures - 10°C + 60°C
with coil class **H** - 10°C + 80°C

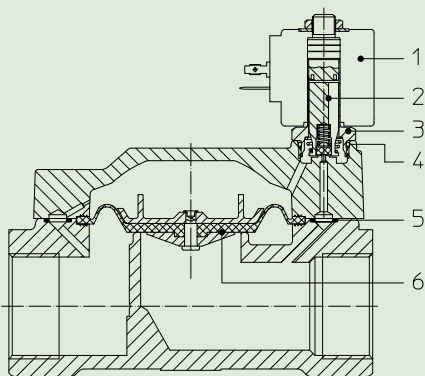
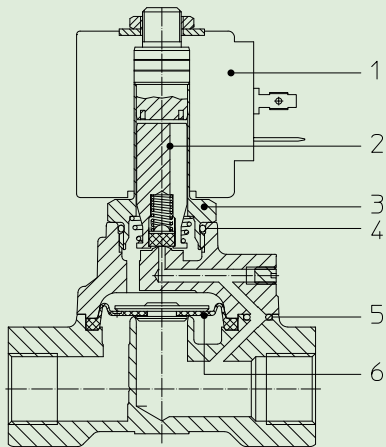


Gaskets	Temperature		Medium
V =FKM (fluoroelastomer)	- 10°C	+140°C	Demineralized water, chemical products compatible with stainless steel
B =NBR (nitrile rubber)	- 10°C	+ 90°C	Air, water, chemical products compatible with stainless steel
E =EPDM (ethylene-propylene)	- 10°C	+140°C	Water, low pressure steam

For seals other than FKM replace the letter "**V**" with the ones corresponding to the other seals. E.I. 21X2K**B**120.



Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D.	
G 1/2	21X2KV120	12	~ 2	12	35	8	0,1	20	20
G 3/4	21X3KV190			19	130			16	16
G 1	21X4KV250			25	160				



MATERIALS;

Body

Armature Tube

Fixed core

Plunger

Phase displacement ring

Spring

Seal

Orifice

On request:

Connector

Connector conformity

Stainless steel AISI 316

Stainless steel AISI series 300

Stainless steel AISI series 400

Stainless steel AISI series 400

Gold plated copper

Stainless steel AISI series 300

Standard: V=FKM

On request: B=NBR E=EPDM

Stainless steel AISI 316

Pg 9 or Pg 11

ISO 4400

FEATURES:

Electrical conformity

Protection degree

IEC 335

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 without gasket:

Code R450811

4. Gasket O-Ring:

Code R990000/V

5. Gasket O-Ring:

G 1/2

Code R990003/V

G 3/4-G 1

Code R990002/V

6. Complete diaphragm:

G 1/2

Code R451816/V

G 3/4- G 1

Code R450958/V

KIT:

KT130KV30-H=2+3+4

MAINTENANCE KIT:

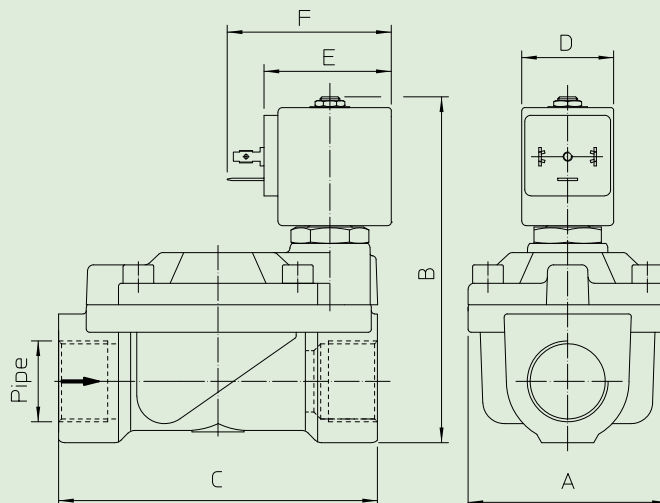
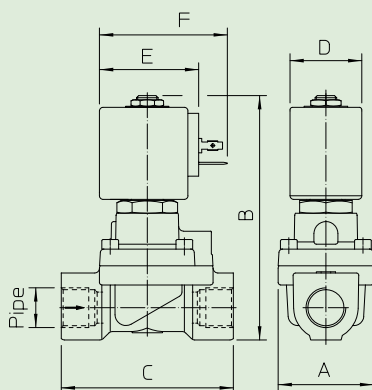
G 1/2

KTG0X1KV12=2+5+6

G 3/4-G 1

KTG0X3KV19=2+5+6

DIMENSIONS:



Type	Pipe ISO 228/1	A mm	B mm	C mm
21X2KV120	G 1/2	40	103	73
21X3KV190	G 3/4	65	115	104
21X4KV250	G 1			

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



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

21X2KT120

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21X4KT250

PRESENTATION:

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

A minimum operational pressure of 0,5 bar is required.

The materials used and the tests undertaken ensure maximum reliability and duration.

USE: Hot water, Chemistry,
Steam (180°C)

PIPES: G 1/2 - G 1

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

MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 25 bar

Environment temperature:

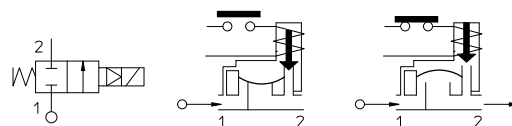
with coil class **F** or high temperature - 10°C + 60°C

with coil class **H** - 10°C + 80°C

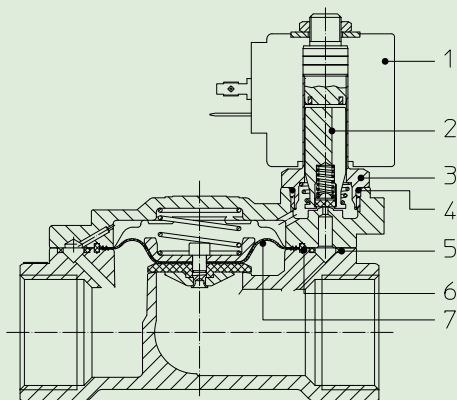
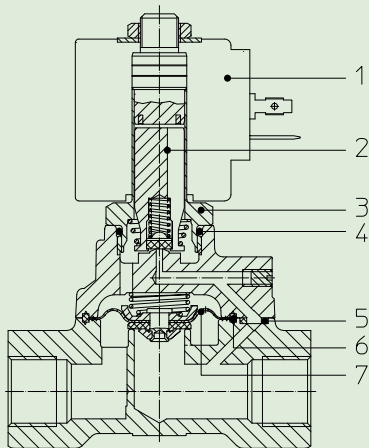


Gaskets	Temperature		Medium
T=PTFE (polytetrafluorethylen)	*	+ 180°C	Steam, hot water, chemical products compatible with stainless steel

*** WARNING:** For a correct functioning of the solenoid valve the minimum temperature should not be less than + 60°C; in order to ensure a long diaphragm life, the steam filtration is recommended.



Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D.	
G 1/2	21X2KT120	-	-	12	35	8	0,5	10	10
G 3/4	21X3KT190			19	120				
G 1	21X4KT250			25	130				



MATERIALS:

Body	Stainless steel AISI 316
Armature tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase displacement ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	T=PTFE
Orifice	Stainless steel AISI 316

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:	G 3/4-G 1	Code R450895
See coils list		
2. Complete plunger:	G 1/2	Code R450950
Code R450886/T	G 3/4- G 1	Code R450954
3. Complete armature tube without gasket:		
Code R450811		
4. Gasket O-Ring:		
Code R990000/T		
5. Gasket:		
G 1/2 Code R450858		
G 3/4-G 1	Code R450894	
6. Sealing ring:		
G 1/2	Code R450859	
7. Complete diaphragm:		

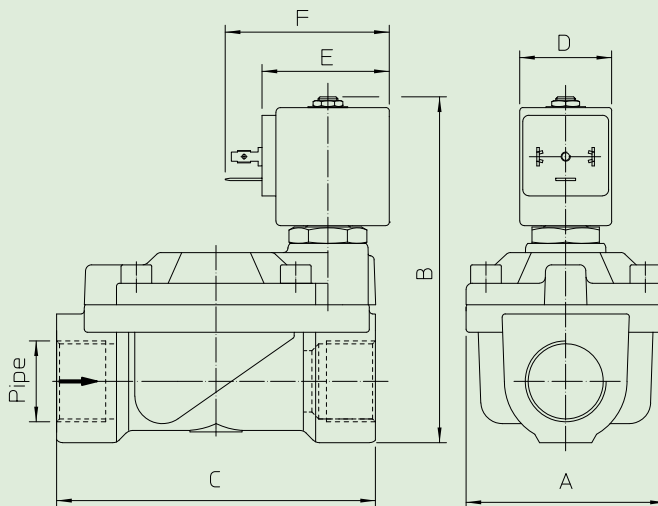
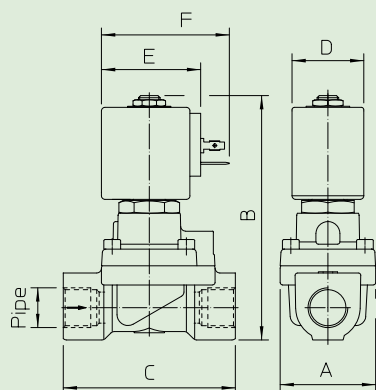
KIT:

KT130KT30-H=2+3+4

MAINTENANCE KIT:

G 1/2
KTG0X1KT12=2+5+6+7
G 3/4- G 1
KTG0X3KT19=2+5+6+7

DIMENSIONS:



Type	Pipe ISO 228/1	A mm	B mm	C mm
21X2KT120	G 1/2	40	103	73
21X3KT190	G 3/4	65	115	104
21X4KT250	G 1			

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



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

21XN4K1V120

21XN6K1V250

PRESENTATION

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

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

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

USE: Automation, Chemistry,
Low pressure steam

PIPES: 1/2 NPT - 1 NPT

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

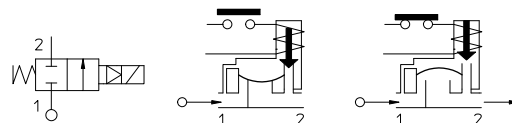
MOULDING AND BOBBIN ARE MADE BY 100% VIRGIN MATERIAL.

Max. allowable pressure (PS) 25 bar
Environment temperature:
with coil class **F** or high temperature - 10°C + 60°C
with coil class **H** - 10°C + 80°C



Special item-not standard

Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Demineralized water, chemical products compatible with stainless steel

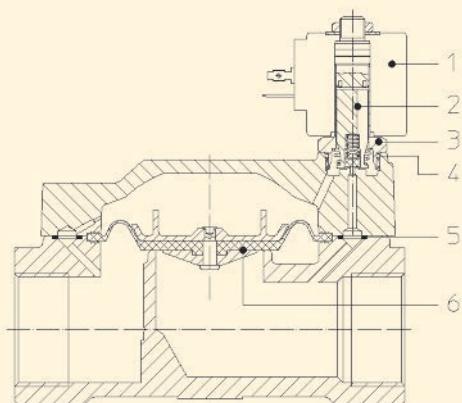
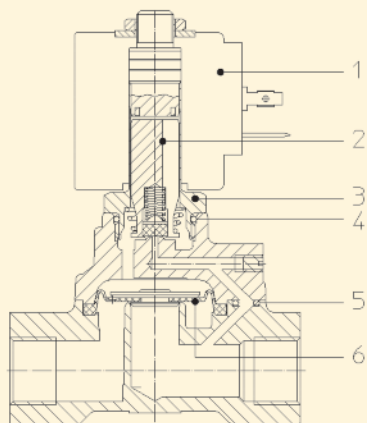


Pipe ANSI/ASME B1.20.1	Code	Max viscosity		Ø mm	Kv l/mn	Power (watt)	Pressure		
		cSt	°E				min bar	M.O.P.D.	
1/2 NPT	21XN4K1V120	12	~ 2	12	35	8	0,1	20	20
1 NPT	21XN6K1V250			25	160			16	16

Note

Available on request and with minimum quantities.

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



MATERIALS:

Body	Stainless steel AISI 316
Armature Tube	Stainless steel AISI series 300
Fixed core	Stainless steel AISI series 400
Plunger	Stainless steel AISI series 400
Phase displacement ring	Gold plated copper
Spring	Stainless steel AISI series 300
Seal	V=FKM

Orifice	Stainless steel AISI 316
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On request:

Connector	Pg 9 or Pg 11
Connector conformity	ISO 4400

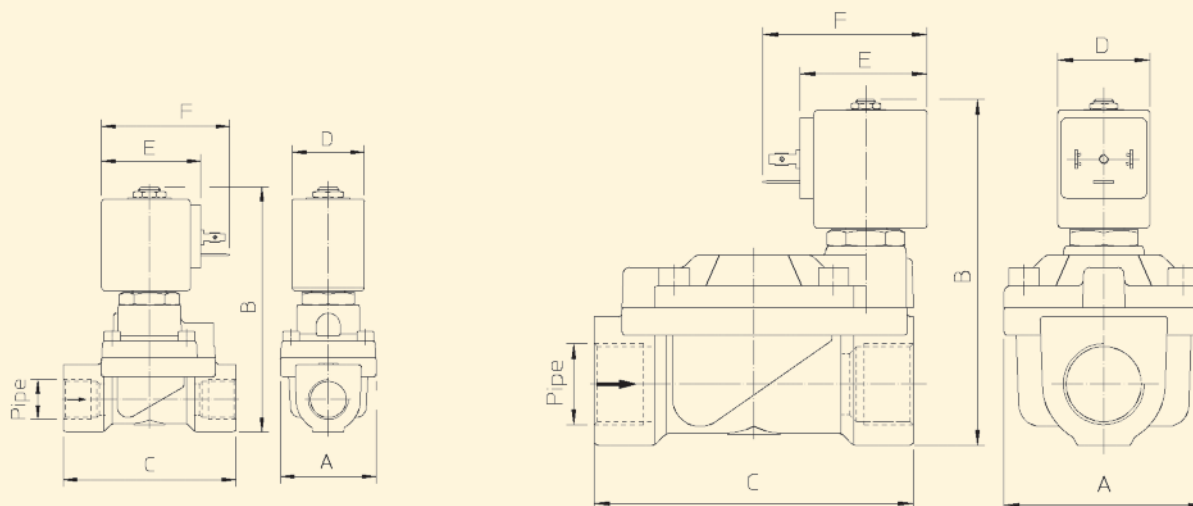
FEATURES:

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

SPARE PARTS:

1. Coil:	6. Complete diaphragm:
See coils list	1/2 NPT Code R451816/V
2. Complete plunger:	1 NPT Code R450958/V
Code R450886/V	
3. Complete armature tube without gasket:	KIT:
Code R450811	KT130KV30-H=2+3+4
4. Gasket O-Ring:	MAINTENANCE KIT:
Code R990000/V	1/2 NPT
5. Gasket O-Ring:	KTG0X1KV12=2+5+6
1/2 NPT Code R990003/V	1 NPT
1 NPT Code R990002/V	KTG0X3KV19=2+5+6

DIMENSIONS:



Type	Pipe	A mm	B mm	C mm
21XN4K1V120	1/2 NPT	40	103	72
21XN6K1V250	1 NPT	65	115	104

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