FEATURES

- Threaded exhaust connection
- Reliable performance
- Suitable with triple certification UL, CSA, VDE
- High flow

TECHNICAL SPECIFICATION

- **Body material:** Brass UNI EN 12165 CW617N
- **Armature tube:** Stainless Steel AISI 300 series
- **Plungers:** Stainless Steel AISI 400 series
- **Spring:** Stainless Steel AISI 300 series
- **Media:** mineral oils, gasoline, diesel, air, inert gases, water, steam, fuel oils, hot water,
- **Ambient temperature:** See coils catalogue page for its compatibility
- **Fluid temperature:** -10°C +140°C with FKM seals
  -40°C +180°C with RUBY seals
- **Design pressure PS:** 40 bar
- **Protection class:** IP 65 (complete with electric plug)
- **Electrical conformity:** IEC 335
- **Switching time:** 20-40 msec

AVAILABLE ON REQUEST

- Also available with low lead brass for food grade
- The use of rigid sealings usually implies a slight leakage, limited within 2scc/min at the pressure of 1 bar
- Manual override (i.e. 31A2AV15-M)
- Latching coil (See coil section)

31A	1	A	V	15	
Model valve	1 SUBPLATE MOUNTING	A= N.C.	R= RUBY V= FKM	10 15 20 25	Orefice 10^{-1}mm

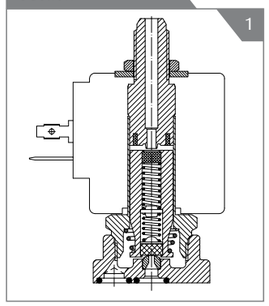
B	D	A	08	024	A	S
B= 30mm Ø 13	D EN 175301-803	A= Class F V= Class H	08= 8W	024= 24V 110= 110V-120V 223= 220V-230V	A= AC C= DC D= AC	S= Without Approval Y= UL, CSA, VDE

PIPE	Ø (mm)	Kv (l/min)	MAX VISCOSITY cSt (°E)	PRESSURE min	PRESSURE MAX MOPD (bar) COIL TYPE AC B	AC U	AC G	DC B	DC U	DC G	GAS CODE	NPT CODE	DRAWING REFERENCE
Normally Closed													
SUBPLATE MOUNTING	1,5(*)	1,4	-	0	15			15			31A1A5R15-AG		1
	1,5(*)	1,4	-	0	15			15			21A1A5R15-AVG		1
	1(*)	0,45	-	0	20			20			31A1AR10		1
	1,5(*)	1,4	-	0	15			15			31A1AR15		1
	1,5(*)	1,4	-	0	15			15			31A1AR15-ORV		1
	1,5(*)	1,4	-	0	15			15			31A1AR15-VORV		1
	2(*)	2	-	0	10			10			31A1AR20		1
	2,5(*)	3,2	-	0	6			6			31A1AR25		1
	1(*)	0,45	12(2)	0	20			20			31A1AV10		1
	1,5(*)	1,4	12(2)	0	15			15			31A1AV15		1
	2(*)	2	37(5)	0	10			10			31A1AV20		1
	2,5(*)	3,2	53(7)	0	6			6			31A1AV25		1
Normally Open													
SUBPLATE MOUNTING	1,5(*)	1,4	-	0	15			-			31A1FV15-Z		1
	2,5(*)	1,4	-	0	15			-			31A1FV20-Z		1

(*) 3rd way exhaust= Ø 2,5 mm

Suffix description: 31A1A5R15-AG	
-AG	Version with dempness-proof kit
-AVG	Version with dempness-proof kit
-ORV	Sealing system with FKM
-VORV	Armature tube sealing with FKM
-Z	Sub base FKM O-Ring

Section 1



REPAIR KIT

Normally Closed
KT130AR30-B
KT130AR30-A
KT130AR30-AV

Normally Open
KT130FV30-AZ

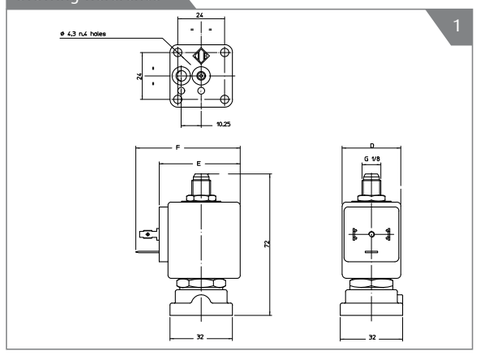
RELATED ITEMS

- P990305: Electrical plug EN 175301-803 Pg9
- P990306: Electrical plug EN 175301-803 Pg11
- P992126: Electrical plug EN 175301-803 Pg9 (with OR screw)
- P992127: Electrical plug EN 175301-803 Pg11 (with OR screw)
- P992128: Electrical plug EN 175301-803 cable 2 wires, 53cm
- R452714: Antihumidity kit (up to IP67 protection together with plugs P992126, P992127; P992128 & H coils class)
- P992087: Timer for automatic switch

INSTALLATION

- The solenoid valves can be mounted in any position
- Holes and threaded connections for panel fixing
- Other port connections available on request
- Maintenance and instruction sheet available in each solenoid valve box
- Availability of repair kit and coils as spares

Drawing Reference 1



Dimensionale Table

Figure	Coil Type	D mm	E mm	F mm
1	B	30	42	54