EVI 9S

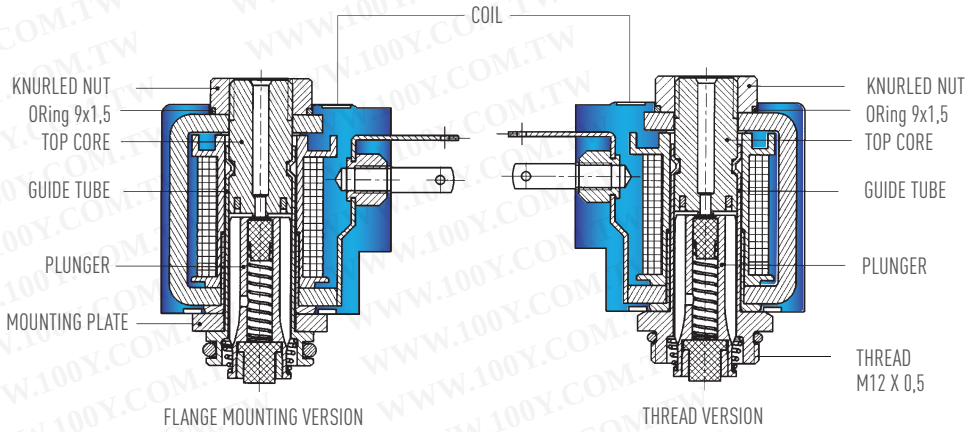
17 mm Solenoid System

AMISCO

EVI 9S

Solenoid System

The EVI 9S system by AMISCO includes a wide range of solenoid operators designed for pneumatic valves. All solenoids of this system have the guide tube with a diameter of 8 mm and the plunger with a diameter of 7 mm. The system is designed for use with air.



Please contact Amisco for use with other media.
All given information are subjected to changes without notice.

COIL

The coil is available with different electrical terminations. Types, power and other characteristics are described in the following pages. All coils feature:

- **heat resistant bobbin moulded with 30% glass filled thermoplastic polyester material**
- **class H wire 200°C according to IEC 317-13**
- **built-in magnetic yoke made by low carbon iron**
- **flux ring for increased performances**
- **encapsulation with high quality specially designed glass filled nylon.**

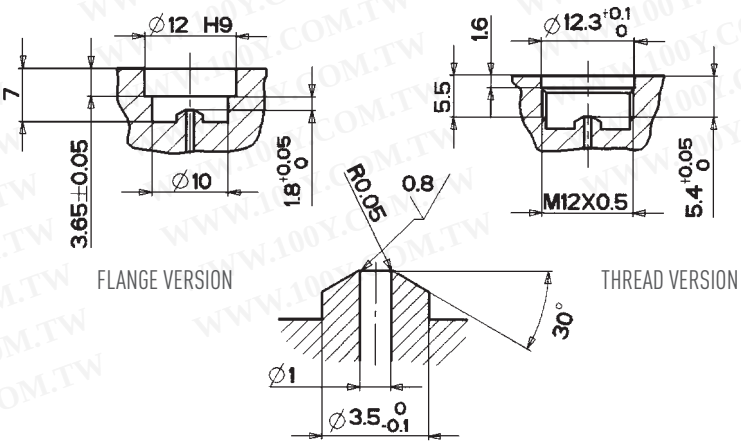
The use of other materials is possible upon special agreements. All coils are rated to class F and to IP 65 (with connector) or IP67 for the flying lead version. The coil is designed and constructed in accordance to EN 60204.1 and VDE 0580 and it is suitable for industrial ambient conditions. For use in different ambients with high humidity, please, take contact with Amisco.

OPERATOR

Plunger and core are made by a magnetic stainless steel specially designed for solenoid applications.
The guide tube is made with brass (stainless steel is possible upon special agreement). The plunger is normally equipped with NBR rubber seals. Other materials like FKM are available upon request.
The armature assembly is designed for more than $50x10^6$ cycles.

COMPLETE SOLENOID OPERATOR

The coil is fastened to the plungerguide tube by means of a knurled nut for ease of change over without interrupting the pneumatic circuit.
The plungerguide tube is fixed to the valve body either by means of a M12x0.5 thread (thread version) or by a mounting plate with screws (flange mounting version). Amisco doesn't supply the plate.
The suggested interface dimensions of the valve body are shown on the right side.
Any change to the prescribed dimensions can effect the performances of the solenoid operator.



SOLENOID SYSTEMS

for 2/2 and 3/2 way normally closed and normally open valves

Coil EVI 9

Electrical termination	Code	Characteristics		DC	AC (50 Hz)	AC (60 Hz)
Terminals AMP 2.8x0.5 width 9,4 mm	**0908S...**	**Rated power DC**	**W**	2.5		
Terminals DIN 43650 C width 8,0 mm	**0908D...**	**Inrush power AC**	**VA**		4.8	4
Flying leads	**0908C...**	**Rated power AC**	**VA**		3.6	3
		Coil temperature rise	**°C**	57	62	52
		Copper temperature rise	**°C**	60	70	60

Operator S7

Type	Code	Characteristics		DC	AC (50 Hz)	AC (60 Hz)
3/2 way NC Flange	**07L...**	**Inlet orifice Ø**	**mm**	1	1	1
3/2 way NC Thread	**07F...**	**Exhaust orifice Ø**	**mm**	1.2	1.2	1.2
		Working pressure	**bar**	0-10	0-10	0-10
2/2 way NC Flange	**07L...**	**Inlet orifice Ø**	**mm**	1	1	1
2/2 way NC Thread	**07F...**	**Working pressure**	**bar**	0-10	0-10	0-10
3/2 way NO Flange (inlet from the top)	**07L...**	**Inlet orifice Ø**	**mm**	1.2	1.2	1.2
3/2 way NO Thread (inlet from the top)	**07F...**	**Working pressure**	**bar**	0-10	0-10	0-10

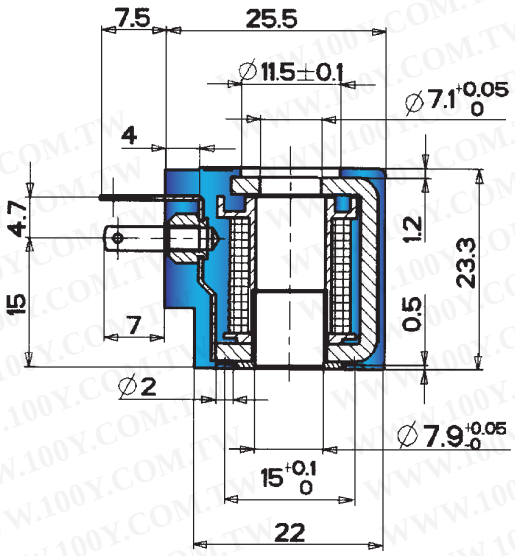
Note:

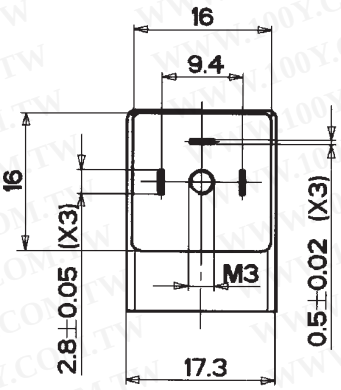
Voltage tolerance:	± 10%
Temperature range:	–10°C ÷ +50°C
Duty cycle:	100%

Standard voltages:	24 - 110 - 230 VAC
	12 - 24 VDC
Other voltages on request	

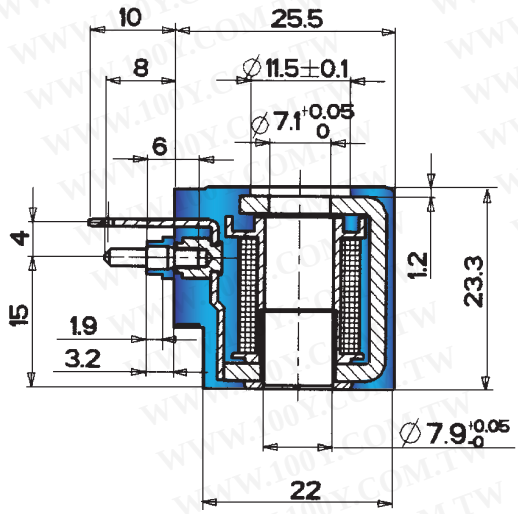
For different orifice sizes and pressures contact AMISCO.

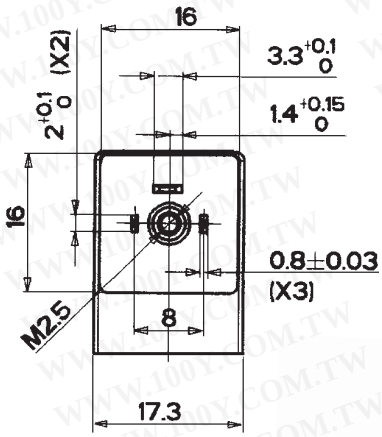
EVI 9



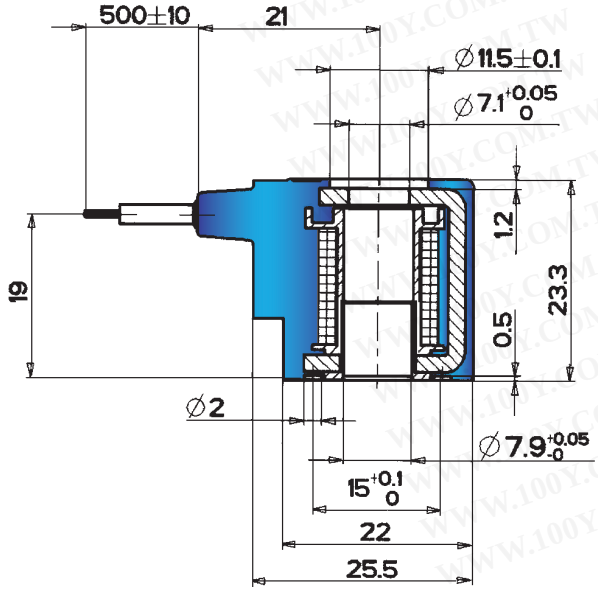


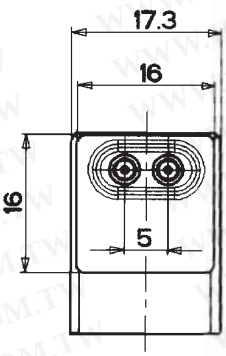
EVI 9 DIN





EVI 9 FLYING LEADS





COIL CODING SPECIFICATIONS

CODE:	X	X	9	9	Y	K	5	5	5	4	4	*	*

TYPE
09= EVI 9

COIL BORING
08 = 8 mm

ELECTRICAL CONNECTION
S = AMP 2,8x0,5
D = DIN 43650 C
C = Flying leads

SUPPLY CURRENT
A = Alternating current (A.C.)
D = Direct current (D.C.)
R = Rectified alternating current

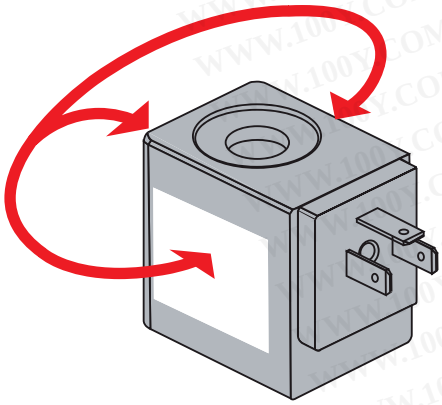
NOMINAL VOLTAGE
Example: 024 = 24V
220 = 220 V

EVI 9S WINDING CODE

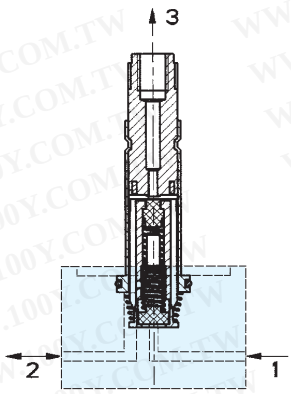
Nominal Voltage	Power	Winding Code
12VDC	2.5W	01
24VDC	2.5W	01
24VAC	3.6VA	02
110VAC	3.6VA	02
230VAC	3.6VA	01

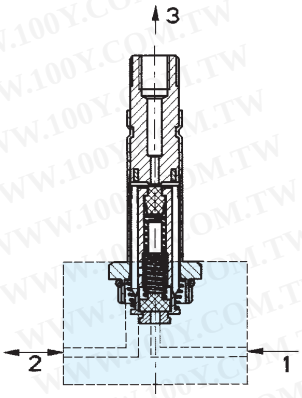
MARKING
ZN = Standard - no logo
AM = Standard + Amisco logo
... = customized coil

Alternative possibilities for
CUSTOMER LOGO

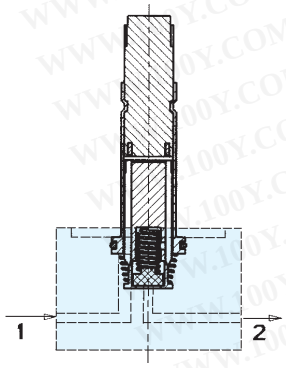


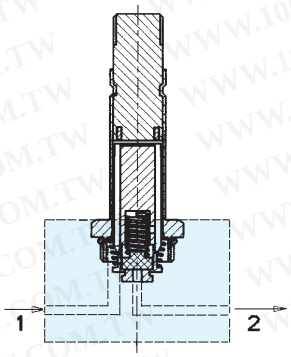
EXAMPLES OF MAIN APPLICATIONS



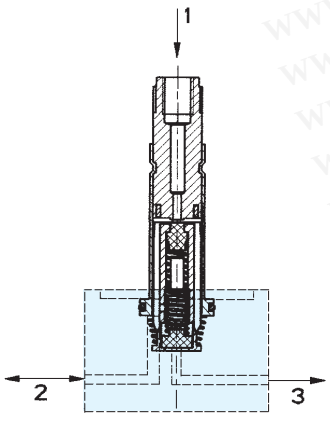


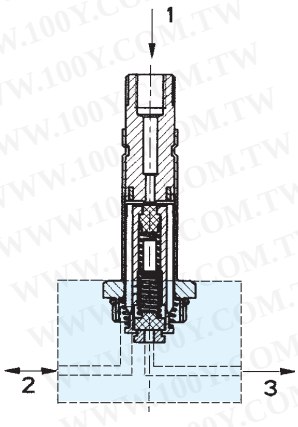
3/2 NC



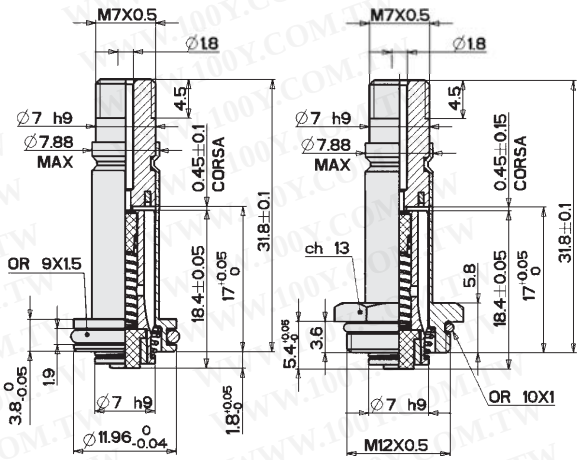


2/2 NC

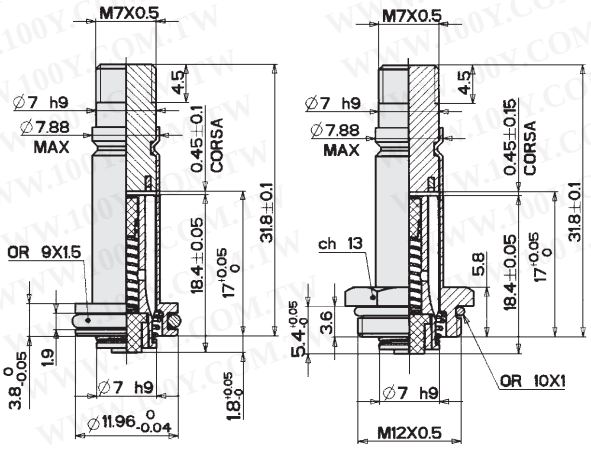




3/2 NO



3/2 OPERATOR



2/2 OPERATOR

OPERATOR CODING SPECIFICATIONS

CODE: X X X A A A A A R 9 C Z K

TYPE
07L = Flange
07F = Thread

DRAWING NUMBER
07 L 3/2 NC = 05480
07 F 3/2 NC = 06260

SUPPLY CURRENT
A = Alternating current
D = Direct current

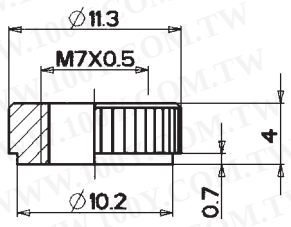
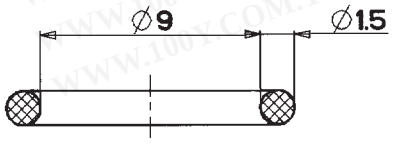
FUNCTION
2 = 2/2 way
3 = 3/2 way

FUNCTION
C = Normally closed
O = Normally open

SEALS
E = EPDM
N = NBR
V = FKM

FASTENING SYSTEM
N = Without fastening system. Fastening nuts to be ordered separately as below.

FASTENING NUTS (Note: tightening torque max 0.6 Nm)

Aluminium knurled nut	Cod. 540222	
O-ring	Cod. 500355	 OR 9 X 1.5