

## FEATURES

- Solenoid valves satisfy all relevant EC directives
- Hung piston construction
- Reliable control in low pressure, high flow systems
- Valves do not require a minimum operating pressure
- The valves are constructed packless with a one-piece deepdrawn stainless steel core tube ensuring safe separation of electrical and wetted moving parts
- The valves have forged brass bodies, compact design, to minimize heat radiation loss

## GENERAL

### Differential pressure

0 - 9 bar [1 bar = 100 kPa]

### Response times

75 - 100 ms

fluids (*)	temperature range (TS)	disc (*)
hot water and steam	-20 to +184°C	PTFE (teflon)

## MATERIALS IN CONTACT WITH FLUID

(\*) Ensure that the compatibility of the fluids in contact with the materials is verified

<b>Body</b>	Brass
<b>Core tube</b>	Stainless steel
<b>Core and plugnut</b>	Stainless steel
<b>Springs</b>	Stainless steel

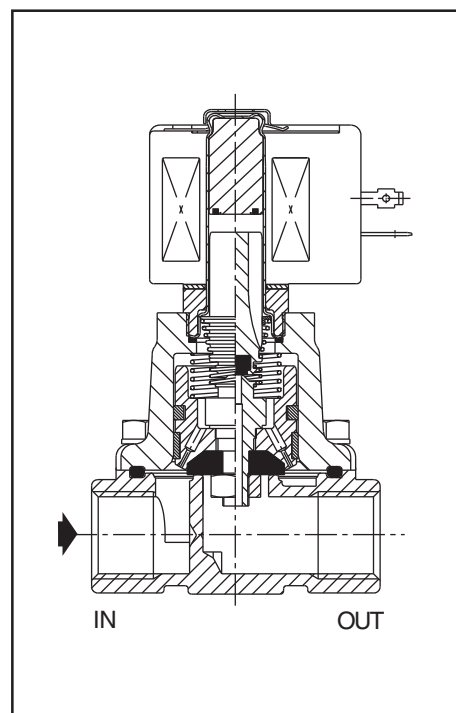
<b>Piston</b>	Brass
<b>Seat</b>	Brass
<b>Sealing</b>	EPDM (ethylene propylene)
<b>Piston rings</b>	PTFE carbon filled
<b>Discs</b>	PTFE
<b>Shading coil</b>	Copper

## ELECTRICAL CHARACTERISTICS

<b>Coil insulation class</b>	H
<b>Connector</b>	Spade plug (Pg 11P)
<b>Connector specification</b>	ISO 4400

<b>Electrical safety</b>	IEC 335
<b>Standard voltages</b>	DC (=): not available
(Other voltages and 60 Hz on request)	AC (~): 24V - 115V - 230V / 50 Hz

coil type	power ratings				ambient temperature range (TS)	protection
	inrush ~	holding ~		=		
	(VA)	(VA)	(W)	(W)	(°C)	
CMXX-HB	78,0	35,0	16,7	-	-20 to +40	moulded IP65



## SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)			max. fluid temp.	coil type	catalogue number				
				min.	maximum (PS)								
					steam (*)	water (1)(*)							
Rp	(mm)	(m³/h)	(l/min)				(°C)	~					
3/8	16	2,4	40,0	0	9	9	184	CMXX-HB	SC E222D001				
1/2	16	3,3	55,0	0	9	9	184	CMXX-HB	SC E222D002				
3/4	19	5,1	85,0	0	9	9	184	CMXX-HB	SC E222E003				

(1) Water temperature should not exceed 100°C

The codes in the grey shaded areas correspond to commonly used products which can be supplied rapidly

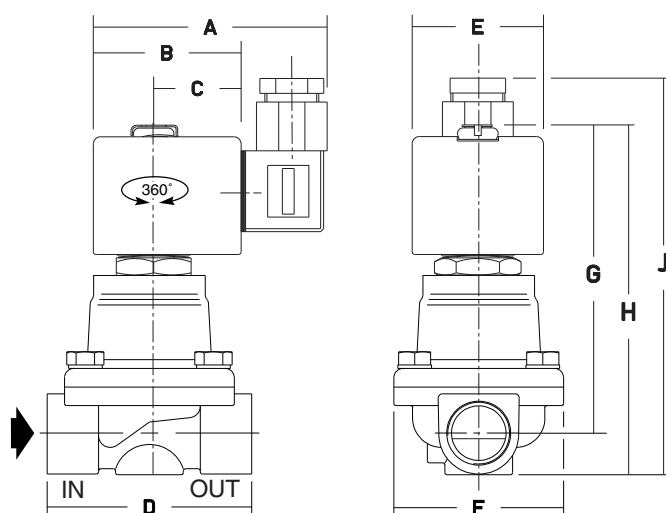
### OPTIONS

- Watertight enclosure with embedded screw terminal coil and Pg13,5 cable gland to meet CEE-10 (IP67)
- Solenoid head “CSA” approved. Coils according to “CSA/SA” standards
- Compliance with “UL” and “CSA” standards
- Mounting brackets

### INSTALLATION

- The solenoid valves must be mounted **vertical and in an upright position**
- Pipe thread identifier is: E = Rp (ISO 7/1)
- The first digit in the catalogue number indicates the standard pipe connection
- Other pipe threads available on request
- Installation/maintenance instructions are included with each valve
- Spare Parts Kit and replacement coils are available (see section 11)

### DIMENSIONS (mm), WEIGHT (kg)



catalogue number SC E222	A	B	C	D	E	F	G	H	J	weight (1)
D001 - D002	80	50	30	70	45	59	104	118	131	1,3
E003	80	50	30	70	45	59	108	124	137	2,0

(1) incl. coil and connector