

### FEATURES

- Solenoid valves satisfy all relevant EC directives
- Hung diaphragm construction
- Reliable control in low pressure, high flow systems
- Valves do not require a minimum operating pressure
- The solenoid 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 - 10 bar [1 bar = 100 kPa]  
Response times 15 - 60 ms

fluids (*)	temperature range (TS)	sealings (*)
hot water and steam	-20 to +150°C	EPDM (ethylene propylene)

### MATERIALS IN CONTACT WITH FLUID

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

Body	Brass
Core tube	Stainless steel
Core and plugnut	Stainless steel
Springs	Stainless steel
Seat	Brass
Sealing, diaphragm & disc	EPDM
Shading coil	Copper

### ELECTRICAL CHARACTERISTICS

Coil insulation class F  
Connector Spade plug (Pg 11P)  
Connector specification ISO 4400  
Electrical safety IEC 335  
Standard voltages DC (=): 24V  
(Other voltages and 60 Hz on request) AC (~): 24V - 115V - 230V / 50 Hz

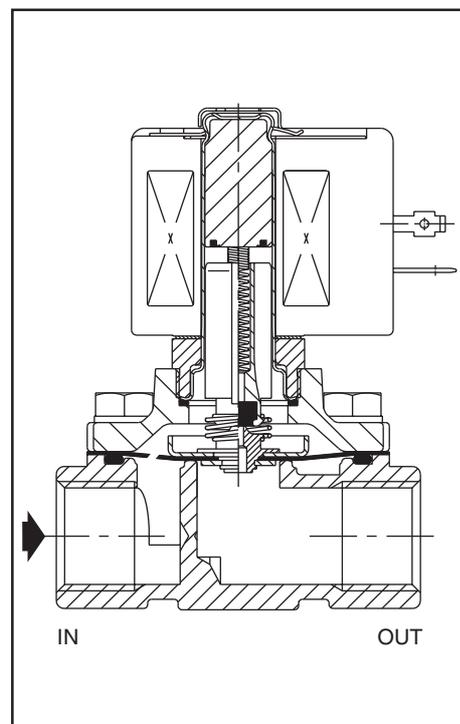
coil type	power ratings			ambient temperature range (TS) (°C)	protection
	inrush	holding	hot/cold		
	(VA)	(VA)	(W)		
CMXX-FT	55,0	23,0	10,5	-	moulded IP65
CM12-FT	110	23,6	15,4	12/16,8	

### SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)			max. fluid temp. (°C)	coil type		catalogue number
				min.	maximum (PS)			~	=	
					steam (*)	water (1) (*)				
3/8	16	2,6	43,3	0	3,5	10	150	CMXX-FT	CM12-FT	SC E222B093
1/2	16	3,5	58,3	0	3,5	10	150	CMXX-FT	CM12-FT	SC E222B094
3/4	19	4,3	71,1	0	3,5	10	150	CMXX-FT	CM12-FT	SC E222B095
1	25	11,1	185,0	0	3,5	9	150	CM12-FT	-	SC E222B154
1 1/4	28	12,8	213,3	0	3,5	9	150	CM12-FT	-	SC E222B155
1 1/2	32	19,3	321,6	0	3,5	9	150	CM12-FT	-	SC E222B156

(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



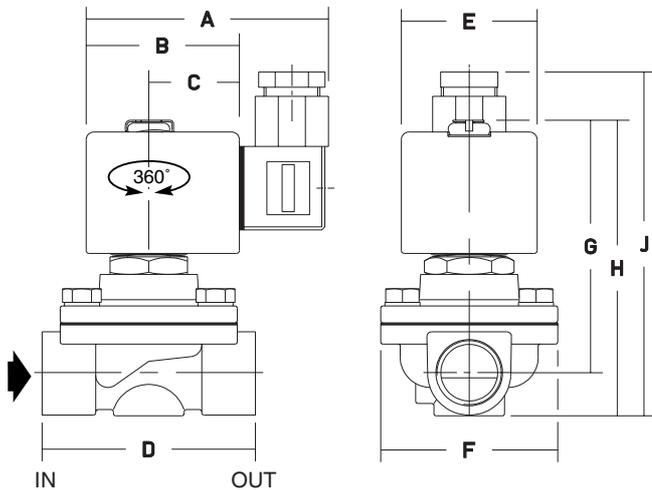
### OPTIONS

- Waterproof enclosure with embedded screw terminal coil and Pg 13,5 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
- Plug with visual indication and peak voltage suppression or with 2m cable length (see section 11)

### INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Pipe thread identifier is: E = Rp (ISO 7/1)
- The third digit in the catalogue number indicates the standard pipe connection
- Other pipe threads are 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)
B093 - B094	80	50	30	70	45	58	84	96	113	1,2
B095	80	50	30	71	45	58	87	104	121	1,3
B154 - B155	86	56	33	95	50	83	74	86	103	1,3
B156	86	56	33	111	50	99	77	94	111	1,4

(1) Approx. weight in kg incl. coil and connector

All leaflets are available on: [www.ascojoucomatic.com](http://www.ascojoucomatic.com)