

SOLENOID VALVES

normally closed, pilot operated for hot water/steam applications 1/4 to 3/4

NC

FEATURES

- The Y-bodied valves provide a high flow with relative small orifices
- The solenoid valves operate with a minimum ΔP of 0,07/0,15 bar
- 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 solenoid valves have forged brass bodies, compact design, to minimize heat radiation loss
- The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure 0.07 - 10 bar [1 bar = 100 kPa]

Response times 75 - 100 ms

fluids (*)	temperature range (TS)	seal materials (*)			
hot water and steam	0 to +165°C	PTFE PTFE reinforced			



(*) 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 Stainless steel or brass EPDM (ethylene propylene) Seals

Piston ring PTFE carbon filled PTFE or PTFE reinforced Piston / disc

Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class

Connector Spade plug (cable Ø 6-10 mm) Connector specification ISO 4400 / EN 175301-803, form A

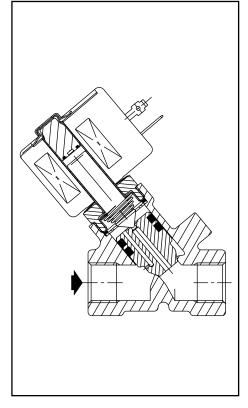
Electrical safety IEC 335

Standard voltages DC (=): not available

AC (~): 24V - 115V - 230V / 50 Hz (Other voltages and 60 Hz on request)

-			power	ratings	ambient			
	coil	inrush	holo	ding		temperature	protection	
-	type	~	•	~ = range (range (TS)		
		(VA)	(VA)	(W)	(W)	(°C)		
	CM6-FT	34,0	15,6	6,0	-	-20 to +40	moulded IP65	
L	CMXX-FT	55,0	23,0	10,5	-	-20 to +40	moulded IP65	





SPECIFICATIONS

orifice				• .		max. fluid	coil type	catalogue	OPTIONAL			٩L
size				maximu	ım (PS)	temp.			70 74 76			
	-,	•	min.	steam	water				Σ	ρN		뿐
(mm)	(m³/h)	(l/min)		(*)	(1) (*)	(°C)	~		윤	EP	S	P
s steel s	eat, EPD	M seals,	PTFE p	iston	•							
9,5	1,0	16,7	0,07	6	10	165	CM6-FT	SCE222A070				
9,5	2,2	36,7	0,07	6	10	165	CM6-FT	SCE222A074				
9,5	2,2	36,7	0,07	6	10	165	CM6-FT	SCE222A076				
eat, EPD	M seals,	PTFE re	inforced	piston					•			
12,8	4,0	66,7	0,15	6	10	165	CMXX-FT	SCE222A049				
	(mm) ss steel s 9,5 9,5 9,5 eat, EPD	orifice size coeff K (mm) (m³/h) ss steel seat, EPE 9,5 1,0 9,5 2,2 9,5 2,2 eat, EPDM seals,	size Coefficient Kv	orifice size Coefficient Kv Min.	orifice size tlow coefficient Kv differential (I maximu min. (mm) (m³/h) (I/min) ** ss steel seat, EPDM seals, PTFE piston 9,5 1,0 16,7 0,07 6 9,5 2,2 36,7 0,07 6 9,5 2,2 36,7 0,07 6 9,5 2,2 36,7 0,07 6 eat, EPDM seals, PTFE reinforced piston	orifice size flow coefficient Kv differential (bar) (mm) (m³/h) (l/min) maximum (PS) (mm) (m³/h) (l/min) steam (*) water (*) (ss steel seat, EPDM seals, PTFE piston 9,5 1,0 16,7 0,07 6 10 9,5 2,2 36,7 0,07 6 10 9,5 2,2 36,7 0,07 6 10 9,5 2,2 36,7 0,07 6 10 eat, EPDM seals, PTFE reinforced piston	orifice size flow coefficient Kv differential (bar) fluid temp. (mm) (m³/h) (l/min) steam (*) water (*) (°C) ss steel seat, EPDM seals, PTFE piston 9,5 1,0 16,7 0,07 6 10 165 9,5 2,2 36,7 0,07 6 10 165 9,5 2,2 36,7 0,07 6 10 165 9,5 2,2 36,7 0,07 6 10 165 eat, EPDM seals, PTFE reinforced piston	orifice size flow coefficient Kv differential (bar) maximum (PS) steam (*) (1)(*) fluid temp. (mm) (m³/h) (l/min) steam (*) (1)(*) (°C) ~ ss steel seat, EPDM seals, PTFE piston 9,5 1,0 16,7 0,07 6 10 165 CM6-FT 9,5 2,2 36,7 0,07 6 10 165 CM6-FT 9,5 2,2 36,7 0,07 6 10 165 CM6-FT eat, EPDM seals, PTFE reinforced piston 10 165 CM6-FT CM6-F	orifice size flow coefficient Kv differential (bar) min. fluid temp. catalogue number (mm) (m³/h) (l/min) (l/min) steam (*) (1)(*) (°C) ~ ss steel seat, EPDM seals, PTFE piston 5 (10) (10) (10) (10) (10) (10) (10) (10)	orifice size flow coefficient Kv differential (bar) maximum (PS) steam (**) fluid temp. catalogue number (mm) (m³/h) (l/min) steam (**) water (**) (°C) ~ 9,5 1,0 16,7 0,07 6 10 165 CM6-FT SCE222A070 9,5 2,2 36,7 0,07 6 10 165 CM6-FT SCE222A074 9,5 2,2 36,7 0,07 6 10 165 CM6-FT SCE222A076 eat, EPDM seals, PTFE reinforced piston	orifice size flow coefficient Kv differential (bar) fluid temp. coll type (mm) (m³/h) (l/min) (l/min) steam (**) (1)(**) (°C) ~ ss steel seat, EPDM seals, PTFE piston 9,5 1,0 16,7 0,07 6 10 165 CM6-FT SCE222A070 SCE222A074 SCE222A074 SCE222A074 SCE222A074 SCE222A076 SCE22A076 SCE2A076 SCE2A	orifice size flow coefficient Kv differential (bar) min. fluid temp. control temp.

(1) Water temperature should not exceed 100°C

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OPTIONS

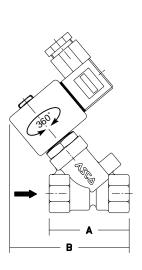
- Waterproof enclosure with embedded screw terminal coil and Pg 13,5 cable gland to meet CEE 10 (IP67)
- Solenoid head "CSA" approved. Coils according to "CSA/SA" standards
- Compliance with "UL" and "CSA" standards
- Mounting brackets
- Plug with visual indication and peak voltage suppression or with cable length of 2m

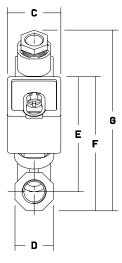
INSTALLATION

- 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

DIMENSIONS (mm), WEIGHT (kg)







catalogue number SCE222	Α	В	С	D	E	F	G	weight (1)
A070 - A074 - A076	58	87	39	28	82	96	130	0,5
A049	70	103	48	33	93	113	145	0,8

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

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