



FEATURES

- Drilled blocs for machine tool manufacturers
- Suitable for dosing/filling applications and industrial washing machines
- Installation on common rail with distribution or mixing flow function
- Compact solenoid valve for easy installation
- Epoxy moulded coil for general service applications
- Two maximum pressure ratings depending on coil power
- AC/DC interchangeability of the solenoid head without any need for disassembly of the valve
- Three manual operator versions
- Flexible installation on joinable subbases
- The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure See «SPECIFICATIONS» [1 bar =100 kPa]
Maximum viscosity 40 cSt (mm²/s)
Response time 8 - 20 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	- 25°C to + 80°C	NBR (nitrile)

MATERIALS IN CONTACT WITH FLUID

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

Body Brass
Internal parts, spring Stainless steel
Seat Brass
Seals NBR
Shading coil Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=) : 24V - 48V
 (Other voltages and 60 Hz on request) AC (~) : 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings			operator ambient temperature range (TS) (C°)	replacement coil		type ⁽¹⁾	
	inrush ~	holding ~	hot/cold =		~	=		
	(VA)	(VA) (W)	(W)		230 V/50 Hz	24 V DC		
SC	23	14	8	8 / 10,8	-25 to + 60	43005096	43005099	01
	55	23	10,5	9/11,2	-40 to + 60	400425-117	400425-142	02

⁽¹⁾ Refer to the dimensional drawings on the following page.

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)				power coil (W)		catalogue number	options			
				min.	max. (PS)						maintained man. operator	impulse man. operator	FPM	EPDM
					air, water, oil (*)									
(G*)	(mm)	(m³/h)	(l/min)	~	=	~	=	~	=					
NC - Normally closed														
pad mounting	2	0,11	1,8	0	40	15	8,0	10,8	SCS272A001	MS	MO	V	E	
	2	0,11	1,8	0	40	40	10,5	11,2	SCS272A016	MS	MO	V	E	
	2,7	0,22	3,6	0	30	4	8,0	10,8	SCS272A002	MS	MO	V	E	
	2,7	0,22	3,6	0	40 (30)	15	10,5	11,2	SCS272A017	MS	MO	V	E	
	3,8	0,32	5,3	0	15	2	8,0	10,8	SCS272A003	MS	-	V	E	
	3,8	0,32	5,3	0	20 (15)	8	10,5	11,2	SCS272A018	MS	-	V	E	
	4,5	0,42	7	0	10	1,5	8,0	10,8	SCS272A004	MS	-	V	E	
	4,5	0,42	7	0	16 (10)	5	10,5	11,2	SCS272A019	MS	-	V	E	
	5,5	0,63	10,5	0	6	1	8,0	10,8	SCS272A005	MS	-	V	E	
	5,5	0,63	10,5	0	10 (6)	2	10,5	11,2	SCS272A020	MS	-	V	E	

() Allowable operating pressure differential with operator type "PV".



