

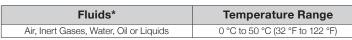
COMPACT 3-WAY SOLENOID PINCH VALVES

- The 384 Series is an Aluminum body 3-Way universal solenoid-operated pinch valve designed for use with highly aggressive or high-purity liquids in analytical and medical instrumentation, and industrial applications
- Hermetic separation of control mechanism and the fluid within the tubing prevents particulate contamination caused by friction of moving parts, assuring maximum purity of liquids
- · Available in a large range of body sizes to accommodate a wide variety of tubing sizes
- Removable and rotatable electrical coils allow for easy installation and worry-free maintenance
- Bi-directional flow for exceptional versatility
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:

- Urinary Collection Systems

- Hemodialysis

- Intravenous (IV) Systems
- Drug Dispensing





Materials in Contact with Fluid								
Recommended Tubing	VMQ (silicone) (max. hardness: 50 Shore A) (Tubing not supplied with valve)							
Other Materials								
Body	Aluminum, anodized							
Pinch Mechanism	POM (Graphite-reinforced polyacetal)							
Others Stainless Steel								
Guide Tube	Nickel-plated Brass							

Electrical Characteristics							
Coil Insulation Class	F						
Connector	Spade plug; cable Ø4-6mm (0.16-0.24in), Ø6-10mm (0.24-0.40in)						
Connector Specification	4 W/8 W/6 W (DMX); DIN 43650, 9.4 mm, industry standard B; 6 W/13 W (AMX/FNX); ISO 4400/EN 175301-803, form A						
Electrical Safety	IEC 335						
Electrical Enclosure Protection	Coil type 01 = IP40/Coil type 02-03 = IP65						
Standard Voltages ¹	12 VDC, 24 VDC						
Power Consumption	4W, 6W, 8W, 9W, 13W						
Response Time	< 20ms						

1 Other voltages on request

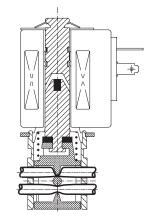
	F	Power Ratings		Ambient	Dl.			
Prefix Option	Inrush	Hole	ding	Hot/Cold	Temperature Ranges	Replace	Type ²	
	VA	VA	W	W	°C (°F)	12 VDC	24 VDC	
				4		43005268	43005269	
				8		500701-001	500701-002	01 (DNX-4)
SC	-	-	-	6	-10 to 60 (14 to 140)	500701-003	500701-004	
				9	(14 to 140)	43005143	43005144	02 (AMX)
				13		43005316	43005317	03 (FNX)

² Refer to the dimensional drawings on the following page

Specifications										
Tube I.D.	Tube O.D.	Pinch Force	Press	ure Differentia	l bar (psi)	Powe	r Coil	Catalog Number		
Tube I.D.	Tube O.D.	r ilicii i olce		ma	ax.	Fowe	1 0011	Cutalog Hullibor		
mm (inches)	mm (inches)	daN	mın.	min. air, inert gas liquids						
0.76 (0.030)	1.65 (0.065)	0.12	0	0.8 (11.6)	0.8 (11.6)	-	4	SCH384B004		
1.02 (0.040)	2.16 (0.085)	0.18	0	0.8 (11.6)	0.8 (11.6)	-	4	SCH384B001		
1.57 (0.062)	3.18 (0.125)	0.22	0	0.8 (11.6)	0.8 (11.6)	-	8	SCH384B002 ³		
1.98 (0.078)	3.18 (0.125)	0.18	0	0.8 (11.6)	0.8 (11.6)	-	6	SCH384B003 ³		
3.4 (0.132)	4.7 (0.183)	0.4	0	0.8 (11.6)	0.8 (11.6)	-	9	SCH384A005		
4.8 (0.187)	7.9 (0.313)	0.85	0	0.8 (11.6)	0.8 (11.6)	-	13	SCH384B006		
6.4 (0.250)	9.5 (0.375)	1.1	0	0.8 (11.6)	0.8 (11.6)	-	13	SCH384B007		

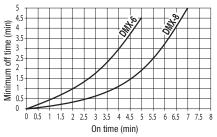
³ Observe the minimum of time stated, see graph above



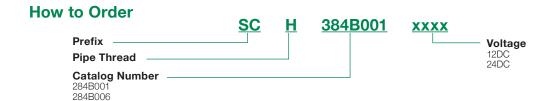


USE IN INTERMITTENT SERVICE

Minimum waiting time between each application of power







Dimensions: mm (inches)

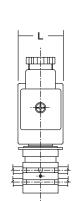
Dimensional Drawings

Type 01

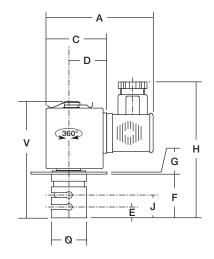
Prefix "SC" solenoidd IEC 335/DIN 43650

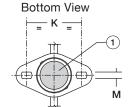
IP40

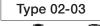
Type 01: SCH384B001/0002/003/004



1 Impulse Manual Operator





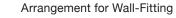


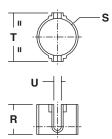
Prefix "SC" solenoid IEC 335/ISO 4400

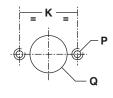
IP65

Type 02: SCH384A005 Type 03: SCH384B006/B007

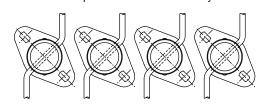








Example of Banked Assembly



Туре	Prefix Option	Catalog Number	Ø	Α	С	D	E	F	G	Н	К	L	М	Р	Q	R	s	т	U	v	Weight ¹
01	SC	SCH384B001/002 /003/004	16 (0.63)	49.5 (1.95)	23.5 (0.92)	15 (0.59)	11 (0.24)	20 (0.79)	1 (0.04)	66 (2.60)	24 (0.43)	17 (0.67)	3.3 (0.13)	M3	16.5 (0.65)	10.7 (0.42)	16 (0.63)	24 (0.94)	2.2 (0.09)	51.2 (2.02)	0.06
02	SC	SCH384A005	25 (0.98)	78 (3.07)	43 (1.69)	27 (1.06)	17.5 (0.41)	32 (1.26)	1.5 (0.06)	99 (3.90)	39 (1.54)	32 (1.26)	3.3 (0.18)	M4	25.5 (1.00	14 (0.55)	25 (0.98)	33 (1.30)	3.2 (0.12)	82.5 (3.25)	0.30
03	SC	SCH384B006/B007	30 (1.18)	84 (3.31)	49 (1.93)	28 (1.10)	24.5 (0.96)	43.5 (1.71)	1.5 (0.06)	99 (3.90)	45.5 (1.79)	42 (1.65)	4.5 (0.18)	M4	30.5 (1.20)	24 (0.94)	30 (1.18)	39 (1.54)	6 (0.24)	99 (3.90)	0.45

Tube Guiding Device								
Catalog	Weight ¹							
Number	kg							
C140094	0.005							
C140095	0.009							
C140096	0.015							
	Catalog Number C140094 C140095							

Options

- Flexible tubes having to use an external guiding device for optimum support (see dimensions):
 - With an outside diameter lower than 2.2mm (0.087in) (catalog numbers SCH384B001 to ..B004)
 - With an outside diameter lower than 3.5mm (0.138in) (catalog number SCH384A005)
 - With an outside diameter lower than 6mm (0.240in) (catalog numbers SCH384B006 and ..007)
 - Contact us for information regarding the usage of different tubing other than those recommended
- Plug with visual indication and peak voltage suppression or with cable length of 2m (78.7in)

Installation

- The solenoid valves can be mounted in any position without affecting operation, however, for optimum performance it is recommended that they be fitted with the solenoid operator at the top
- Fixing plate built in between the body and the coil for assembly in a bank on a base plate
- Flexible tubes are not included in our supply
- Do not connect the solenoid valve to the power supply without fitting a flexible tube beforehand

¹ Including coil(s) and connectors