The 384 Series are 3-Way, universal, solenoid operated pinch valves designed to control the flow of corrosive or high purity fluids in medical equipment, analytical instruments, and industrial applications. Pinch valves control fluid flow by locating soft tubing in a mechanism that “pinches” the tubing to block flow and releases to allow flow.

- Large open gap for high flow and handling of particulate media.
- Zero dead volume prevents cross-contamination.
- Electrical connections can be kept separate from fluid area via built-in panel mount bracket.
- Built-in manual operator for easy tubing change out and testing.
- Removable/Rotatable coil for easy service and installation.

Construction

Valve Wetted Parts	
Recommended Tubing	VQM, max. hardness 50 Shore A (Tubing sold separately. See Pinch Valve Tube Section.)

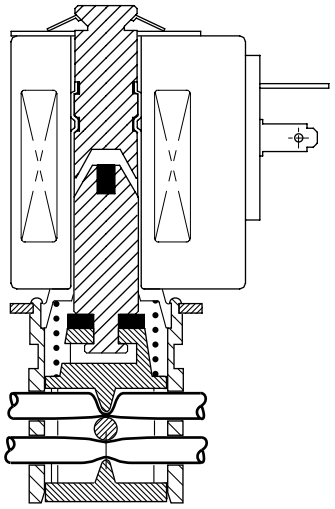
Electrical

Standard Voltages	12 VDC, 24 VDC
Power Consumption	4, 9, 13 Watts
Duty Cycle Rating	Continuous (except where noted otherwise)
Coil Insulation	311ºF (155ºC)
Electrical Connection	DIN SPADE TERMINALS
DIN Connectors (not included with valve. see DIN ELECTRICAL CONNECTORS)	
-4 Watt Coil	Size 9.4 mm, DIN 43650 Form C
-9 Watt Coil	Size 18 mm, ISO 4400/EN 175301-803 Form A
-13 Watt Coil	Size 18 mm, ISO 4400/EN 175301-803 Form A

Valve

Response Time	~20 ms

3U



Temperature Range:

Ambient & Media:
14ºF to 140˚F (-10˚C to 60˚C)

Approvals:

Meets applicable CE directives.

Specifications

Tubing ID (inches)	Tubing OD (inches)	Operating Pressure (psi)		Prefix	Catalog Number	Const. Ref.	Power (Watts)	Weight (oz)
		Min.	Max					
3/2U - Universal Operation								
0.030	0.065	0	12	SC	H384A004xxxx	1	4	2.1
0.040	0.085	0	12	SC	H384A001xxxx	1	4	2.1
0.062	0125	0	12	SC	H384A002xxxx (1)	1	8	2.1
0.078	0.125	0	12	SC	H384A003xxxx (1)	1	6	2.1
0.132	0.183	0	12	SC	H384A005xxxx	2	9	10.6
0.187	0.313	0	12	SC	H384B006xxxx	3	13	15.9
0.250	0.375	0	12	SC	H384B007xxxx	3	13	15.9
(1) Intermittent duty coil. See graph of minimum off time vs. on time to determine applicable duty cycle.								

Catalog Number Description and Options

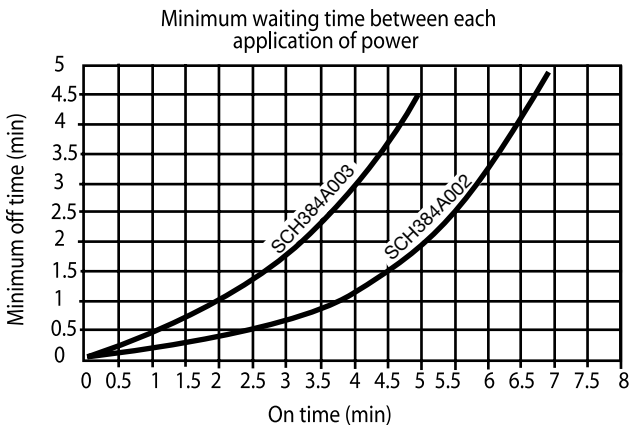
SC	H384A001	xxxx
Prefix	**Catalog Number**	**Voltage** 12DC 24DC

Examples

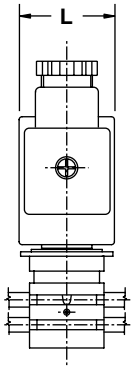
SCH384A00412DC = 0.030" x 0.065" tubing, 12VDC, constant duty

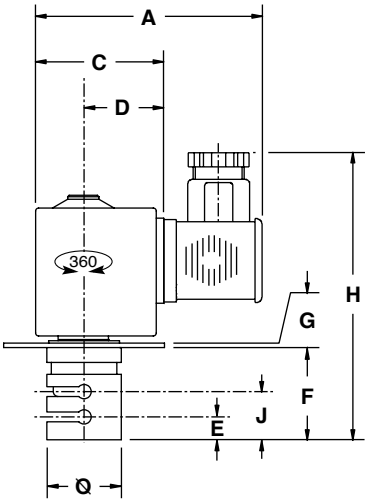
SCH384A00224DC = 0.062" x 0.125" tubing, 24VDC with 7 minute max on-time and 5 minute min off-time

Minimum Off Time vs. On Time
(SCH384A002 & SCH384A003 ONLY)

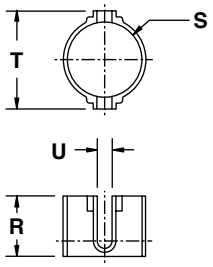


Dimensions: Inches (mm)

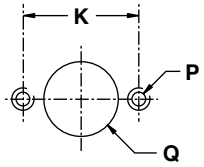


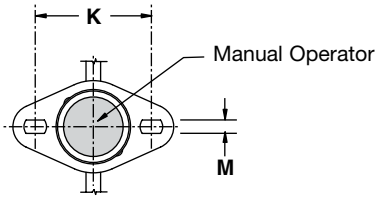


Tube Guiding Device



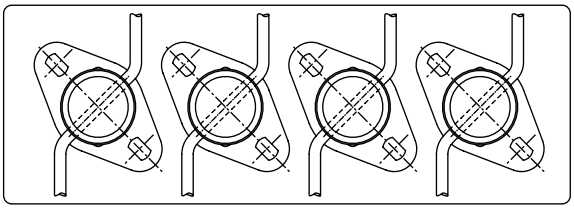
Arrangement for Wall-Fitting





Bottom View

Example of Banked Assembly



Const. Ref	Catalog Number	Ø	A	C	D	E	F	G	H	J	K	L	M	P	Q	R	S	T	U
01	SCH384A001/002 /003/004	0.63 (16)	1.95 (49.5)	0.92 (23.5)	0.59 (15)	0.24 (6)	0.79 (20)	0.04 (1)	2.60 (66)	0.43 (11)	0.94 (24)	0.67 (17)	0.13 (3.3)	M3	0.65 (16.5)	0.42 (10.7)	0.63 (16)	0.94 (24)	0.09 (2.2)
02	SCH384A005	0.98 (25)	3.07 (78)	1.69 (43)	1.06 (27)	0.41 (10.5)	1.26 (32)	0.06 (1.5)	3.90 (99)	0.69 (17.5)	1.53 (39)	1.26 (32)	0.18 (4.5)	M4	1.00 (25.5)	0.55 (14)	0.98 (25)	1.30 (33)	0.12 (3.2)
03	SCH384B006/B007	1.18 (30)	3.31 (84)	1.93 (49)	1.10 (28)	0.51 (13)	1.71 (43.5)	0.06 (1.5)	3.90 (99)	0.96 (24.5)	1.79 (45.5)	1.65 (42)	0.18 (4.5)	M4	1.20 (30.5)	0.94 (24)	1.18 (30)	1.53 (39)	0.24 (6)