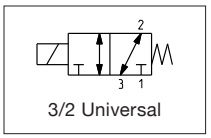
COMPACT 3-WAY SOLENOID PINCH VALVES

SERIES 384

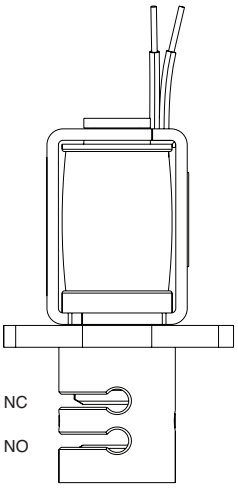
- The 384 Series are POM body 3-Way universal solenoid-operated pinch valve designed for use with highly aggressive or high-purity liquids in analytical and medical instrumentation
- POM construction material dramatically reduces the heat transfer from the valve body to the media inside the tubing
- 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
- Removable and rotatable coil, as well as a manual operator, allow for easy installation and worry-free maintenance
- Meets all relevant CE directives, and is RoHS compliant
- Typical applications include:
  - Hemodialysis
  - Urinary Collection Systems
  - Intravenous (IV) Systems
  - Food & Beverage Dispensing



3/2 Universal

Fluids*	Temperature Range
Air, Inert Gases, Water, Oil or Liquids	0 °C to 50 °C (32 °F to 122 °F)

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



Materials in Contact with Fluid	
Recommended Tubing	VMQ (silicone) (max. hardness: 50 Shore A) 30cm (12in) tubing supplied with valve
Other Materials	
Body	POM (Graphite-reinforced polyacetal)
Pinch Mechanism	POM (Graphite-reinforced polyacetal)
Others	Stainless Steel
Coil Frame	Galvanized Steel

Electrical Characteristics	
Coil Insulation Class	F
Connector	Fly Lead with 305mm (12in)
Connector Specification	305mm (12in) Lead wires
Electrical Safety	IEC 335
Electrical Enclosure Protection	IP30 (EN 60529)
Standard Voltages[1]	12 VDC, 24 VDC
Power Consumption	3.5 W
Response Time	< 10ms

[1] Other voltages on request

Specifications

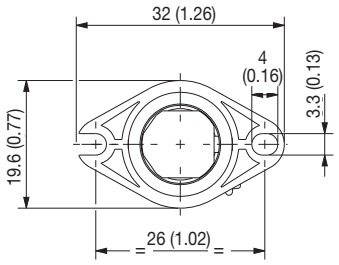
Tube I.D.	Tube O.D.	Pinch Force	Pressure Differential bar (psi)			Power Coil		Catalog Number
			min.	max.				
mm (inches)	mm (inches)	daN		air, inert gas	liquids	W		
1.6 (0.063)	3.2 (0.126)	0.22	0	1.5 (21.8)	1.5 (21.8)	-	3.5	P384A024LCA00V1
								P384A024LCA00V3
								P384A025LCA00V1[2]
								P384A025LCA00V3[2]

Note:
If using a tubing different from the ones specified for this valve, it's important that the tubing minimum wall thickness is the same as shown in the table
For the use of a soft tubing with outside diameter smaller than 2.2mm (0.087in) it is necessary to install the tubing guide sleeve
In case the tubing is not placed in its seat, the solenoid valve could operate incorrectly
Tube Specification: 504375-034 (30m), 429244-016 (300mm)

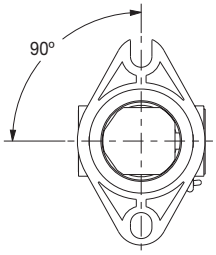
[2] The flange is rotatable with 90° (please see "Pic. 2" on the following page)

Dimensions: mm (inches)

Dimensional Drawings

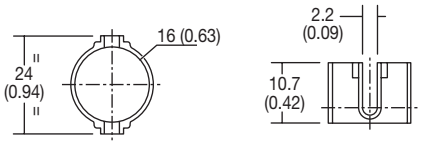


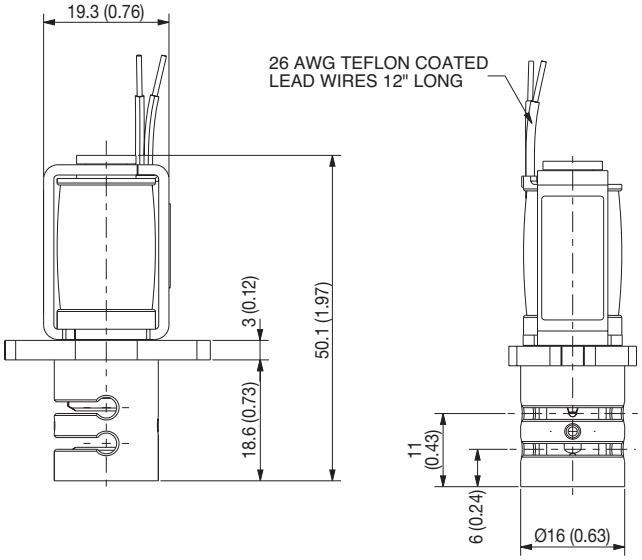
Pic. 1



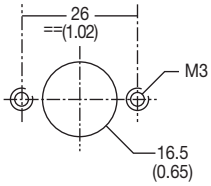
Pic. 2

Tube Guiding Device





Arrangement for Wall-fitting



Catalog Number	Weight[1] kg
P384A024LCA00V1/V3	0.04
P384A025LCA00V1/V3	

[1] Including coil(s) and connectors

Tube Guiding Device	
Catalog Number	Weight[1] kg
25978-01	0.005

How to Order

P 384 A 024 LC A00 V3

Connection Type
P = No Direct Connection

Product Series
384 = 3-Way Pinch Solenoid Valve

Item Number
024 = 3W 1.6 I.D. x 3.2 O.D. Pinch Valve 1.5 bar
025 = 3W 1.6 I.D. x 3.2 O.D. Pinch Valve 1.5 bar Rotatable Flange

Voltage
V3 = 12 VDC
V1 = 24 VDC

Options
A00 = No Options

Connection Type
LC = Leaded Coil 305mm (12in) Leads

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)
- Contact us for information regarding the usage of different tubing other than those recommended

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
- **Do not connect the solenoid valve to the power supply without fitting a flexible tube beforehand**