

NPP Pneumatic Pinch Valves

NPP4-1CP-27



NPP Series 2-Way pneumatic pinch valves are air-piloted devices designed to open or close tubes for controlling flow of liquids and gases. Other valve types have internal passages that may cause small amounts of fluid to remain in the valve. Pinch valves have no areas or dead volume where fluid can become trapped. Only the inside of the tubing has contact with the fluid.

Common industries that utilize pinch valves for the benefit of isolating fluid from a mechanical valve including drug dispensing, laboratory equipment, wastewater, medical devices, chemical, food and beverage equipment, ceramic/glass/plastic, and solids handling.

Data Sheet	Data Sheet, Panel Mount Info
Documentation	CE, RoHS (Download)
Function	2-Way Normally-Closed
Material, Body	Aluminum, ENP
Material, Tube	Sanitary Platinum-Cured Silicone
Material, Wetted	Polyurethane Tubing (no wetted areas in valve)
Max PSI	9 psig (0.6 bar)
Max. Pilot Pressure	250 psig (17 bar)
Medium	Air, Water, Gas & Compatible Fluids
Mount	Panel
Mounting	#4-40 Threaded Holes
Operating Temperature Range	32 to 230°F (0 to 110°C)
Orifice / Wattage	1.500" / 7.2 Watts
Product Line Brochure	Isolation Valves
Tubing	1/4" ID-3/8" OD, Food Grade
Tubing, Durometer Hardness	50 Shore A
Tubing, Elongation at Break	770%
Tubing, Length	Comes with 12" (305 mm) of selected tubing. Additional tubing available separately.
Tubing, Modulus at 200%	280 psi (19 bar)
Tubing, Tear Strength	200 ppi (14 bar)
Tubing, Tensile Strength at Break	1,450 psi (100 bar)
Tubing, Wall Thickness	0.0625" (1.6 mm)
Weight (lbs.)	0.3000

