

The Mini-PAW Claw & BioValve® Tubing Clamps

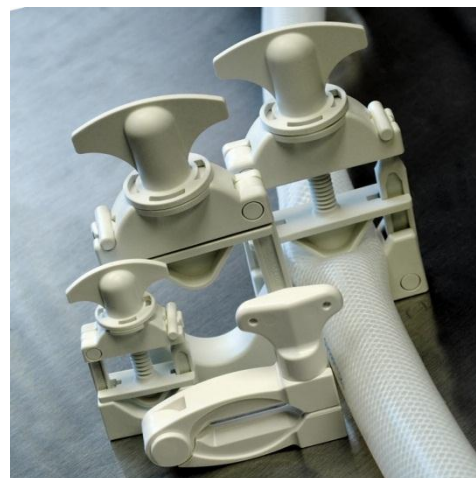
High Quality Clamps for Tubing & Hose:

Rugged Construction: Autoclave & Irradiate

The BioValve & Mini-PAW Claw are intended to provide complete shut-off of fluid flow for tubing and hose. They can also be used to partially occlude a flow pathway; for example, to increase back-pressure on a device.

The Mini-PAW Claw is very easy to install and can withstand a high number of autoclave cycles. The BioValve has superior throttling control and is more reliable in centering the tubing or hose in the clamp jaw. Centering is important to insure reproducible performance each time. The table below can help you decide which clamp is best suited for your application.

Each clamp works on a range of tube or hose sizes. They function even in applications of high-pressures - in most cases, you will be limited by the pressure rating of the tubing or hose itself.



Tubing Clamp Specifications

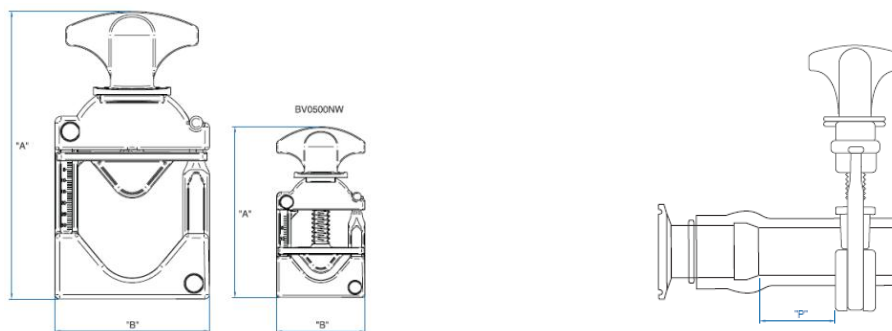
Product	Tubing ID*	Clamp Material	# Times Autoclave**	Gamma?
TC-PES	1/8"-1/2"	PES	<30	Yes
BV-0500	1/8"-1/2"	Nylon	Multiple	Yes
BV-1000	5/8"-1"	Nylon	Multiple	Yes

* Wall thickness for tubing: Typically 3/32"-1/8"

** Autoclave Cycle: 30 Minutes @ 135°C

Part Dimensions

Part Number	Size	DimA (in)	DimB (in)	"P"	Accommodates Tube ID
BV-0500-NW	1/2"	3.03"	1.58"	~ 1"	1/8" thru 1/2"
BV-1000-NW	1"	5.12"	2.76"	~ 2"	5/8" thru 1"



General Material Properties

Tensile Strength (MPa)	Tensile Strength	Flexural Modulus (MPa)	Heat Deflection	Water Absorption	Maximum Recommended Water Temp, °F
Nylon resin used in the Bio Valve	195 MPa ISO 527	10000MPa ISO 527	261°C @ .45 MPa ISO 75f	1.9% @ 50% RH Similar to ISO 62	200 °F