



**414 Model 3712 Series & 100 Series  
Miniature Needle Valves**



**Description**

These Miniature Needle Valves are constructed of brass, stainless steel or Monel. These valves are designed for use in chemical processes, petroleum industries, laboratories and wherever accurate flow control and positive shut off is required.

Each Miniature Needle Valve is equipped with a ground and polished needle and PTFE packing. These features permit the use of these valves under slight vacuum as well as high pressure conditions.

**Specifications**

	3712M4B, 100S, 100L	103	3712M4Y	104
Body:	Brass	316 Stainless Steel	316 Stainless Steel	Monel
Stem:	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	Monel
Packing:	PTFE	PTFE	PTFE	PTFE

Max. Operating Pressure : 3000 psig  
 Operating Temperature: -65°F to 450°F (-54°C to 232°C)  
 Shipping Weight: 1 lb

**Ordering Information**

	Model No.	Material	Connections		C <sub>v</sub>
			Inlet	Outlet	
<b>Basic Needle Valves</b>					
Straight Pattern Valves	<b>3712M4B</b>	Brass	1/4" MPT	1/4" MPT	0.35
	<b>3712M4Y</b>	316 Stainless Steel	1/4" MPT	1/4" MPT	0.35
	<b>100S</b>	Brass	1/4" MPT	1/4" MPT	0.43
	<b>100L</b>	Brass	1/4" MPT	9/16-18 LH	0.43
	<b>103</b>	316 Stainless Steel	1/4" MPT	1/4" MPT	0.43
	<b>104</b>	Monel	1/4" MPT	1/4" MPT	0.43