

LabSmith Manual Valves

- ▶ Manually switched fluid routing
- ▶ Low swept volume
- ▶ Direct connection to 1/32" or 1/16" tubing, or 360 µm capillary
- ▶ Compatible with a wide range of chemicals



Manual valve
actual size

Model	Swept Volume	Valve Volume	Through Hole Diameter	Capillary or Tubing Interface
MV201-C360	130 nl	170 nl	0.01" (250 µm)	360 µm OD (via p/n C360-100)
MV201-T132	130 nl	170 nl	0.01" (250 µm)	1/32" OD (via p/n T132-100)
MV201-T116	520 nl	1100 nl	0.02" (500 µm)	1/16" OD (via p/n T116-100)
MV202-C360	90 nl *	130 nl *	0.01" (250 µm)	360 µm OD (via p/n C360-100)
MV202-T132	90 nl *	130 nl *	0.01" (250 µm)	1/32" OD (via p/n T132-100)
MV202-T116	90 nl *	130 nl *	0.01" (250 µm)	1/16" OD (via p/n T116-100)
MV303-C360	60 nl *	100 nl *	0.01" (250 µm)	360 µm OD (via p/n C360-100)
MV303-T132	60 nl *	100 nl *	0.01" (250 µm)	1/32" OD (via p/n T132-100)

* Per leg

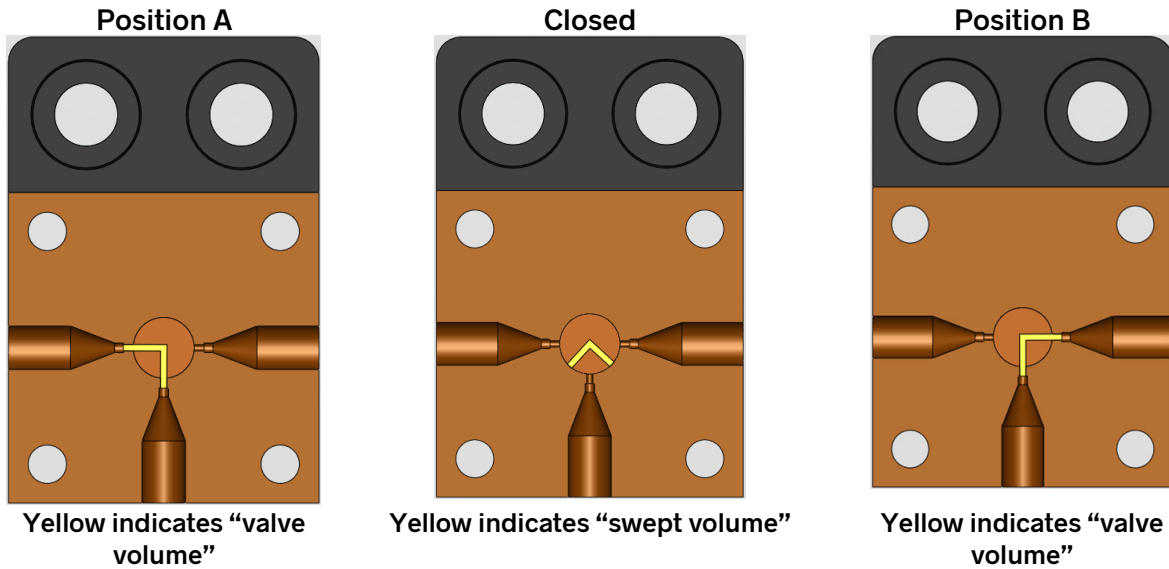
Wetted Material	Vespe ^l . [®] Select valves available in PCTFE (contact LabSmith)
Actuation method	Manual knob
Cleaning	Flush valve ports with DI water or solvent
Service Temperature Range	50-176°F (10-80°C)
Maximum Pressure	2000 psi (14 MPa)

Valve Accessories	
Breadboard	Optional for mounting MV series valves and other CapTite devices. p/n LS600 or LS600-CH.
Mounting Hardware	Set of 20 thread-forming screws (2-28-1/4") to mount 10 valves or reservoirs to breadboard. p/n LS-SCREWS.25.
One-piece Fittings	Required for connection to capillary or tubing. p/n C360-100, T132-100, or T116-100.

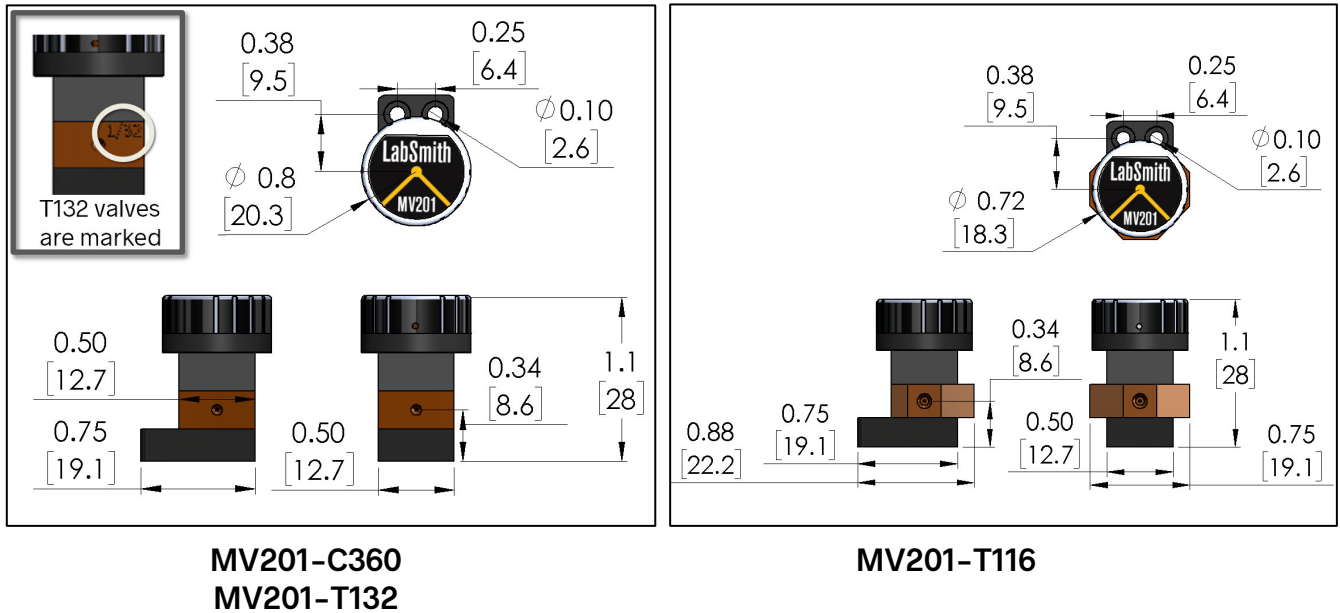
MV201

3 port, 2 position (+ closed), "L" pattern flow. For redirecting flow.

Configurations



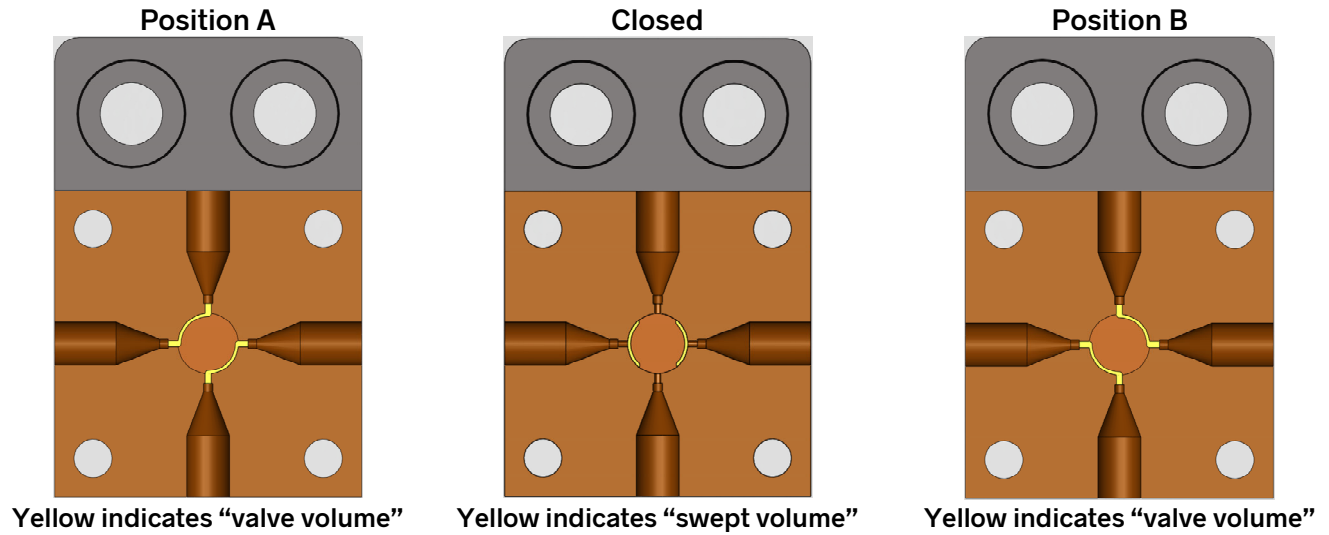
Dimensions



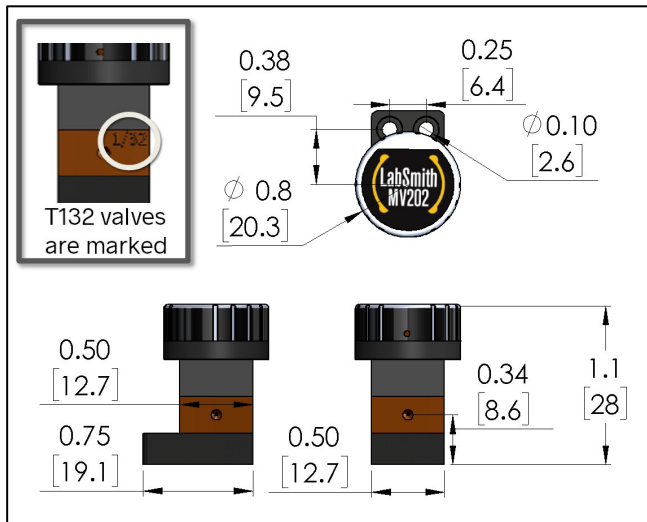
MV202

4 port, 2-position (+ closed), two simultaneous flow streams between adjacent ports.
Applications include continuous dispensing/refilling.

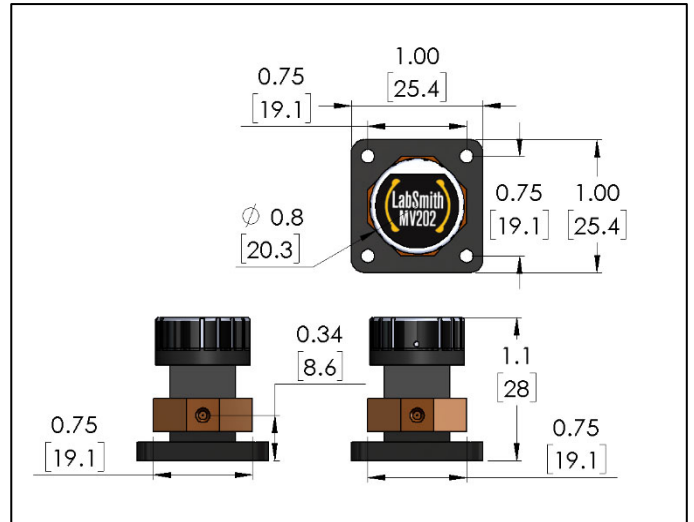
Configurations



Dimensions



MV202-C360
MV202-T132

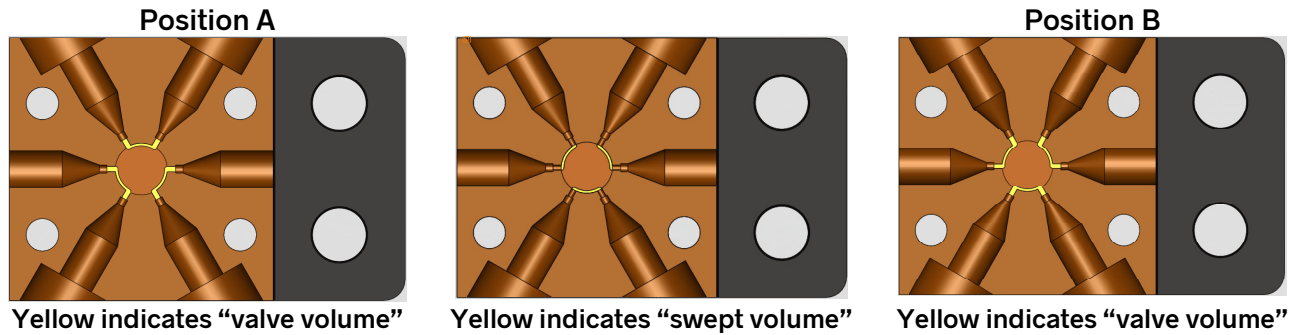


MV202-T116

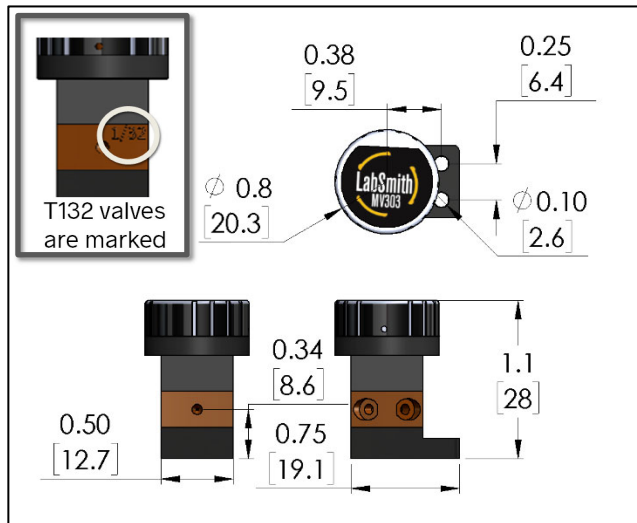
MV303

6 port, 2-position (no closed option), three simultaneous flow streams between adjacent ports.
Applications include sample injection.

Configurations



Dimensions



MV303-C360
MV303-T132



All valves are also available in automated versions. See the AV Series Automated Valves spec sheet for more information.

3D models available upon request