

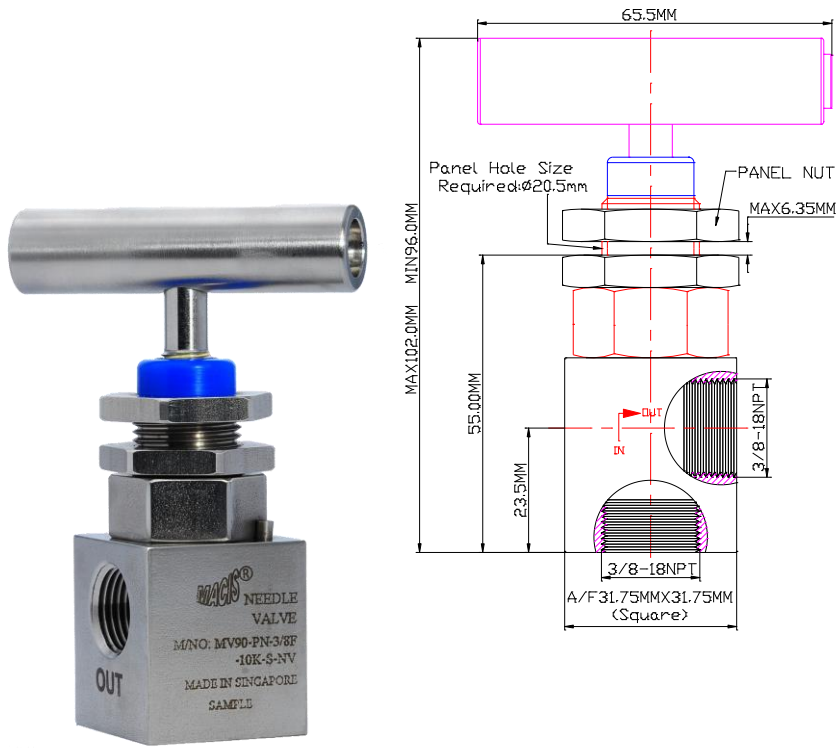
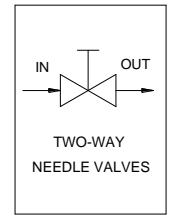


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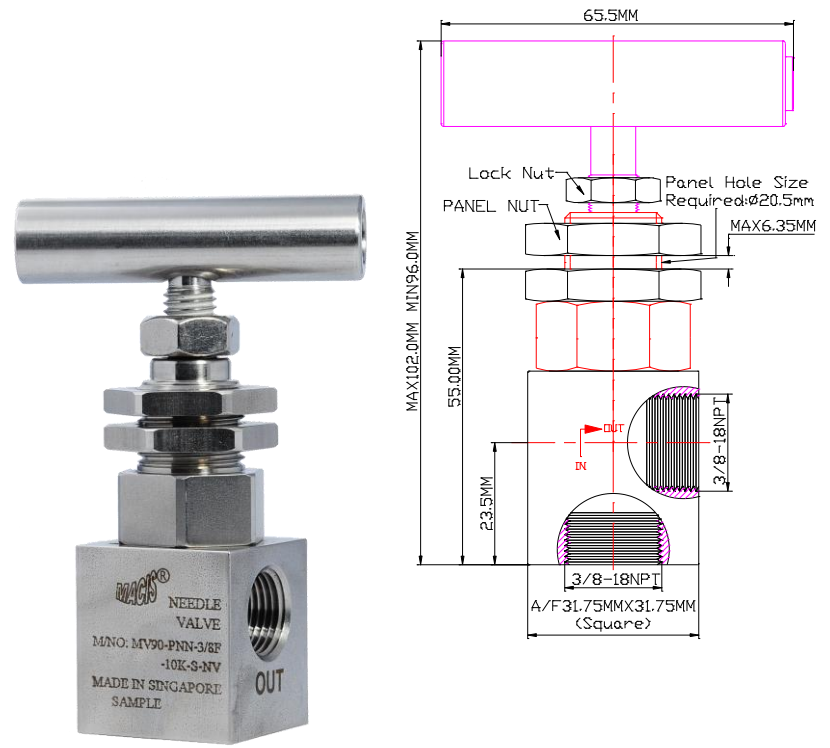
## NEEDLE VALVE (Angle Pattern)

### Descriptions

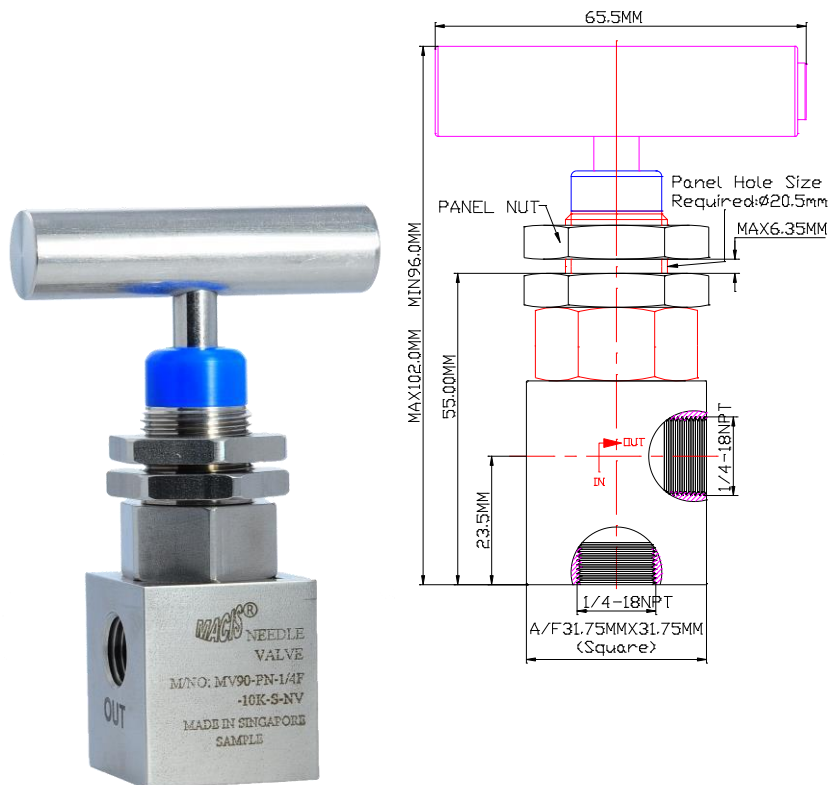
The needle valve is used to make relatively fine adjustments in the amount of fluid flow. They are often used as component parts of other valves, to shut off the flow of the process media to the pressure instrument. The characteristic of this valve is the long, tapered, needle like point on the end of the valve stem. This "needle" acts as a disk. The longer part of the needle is smaller than the orifice in the valve seat and passes through the orifice before the needle seats. This arrangement permits a very gradual increase or decrease in the size of the opening in a needle valve. Therefore, the valve can provide fine flow adjustments. The number of handle turns can be directly correlated to the amount of flow.



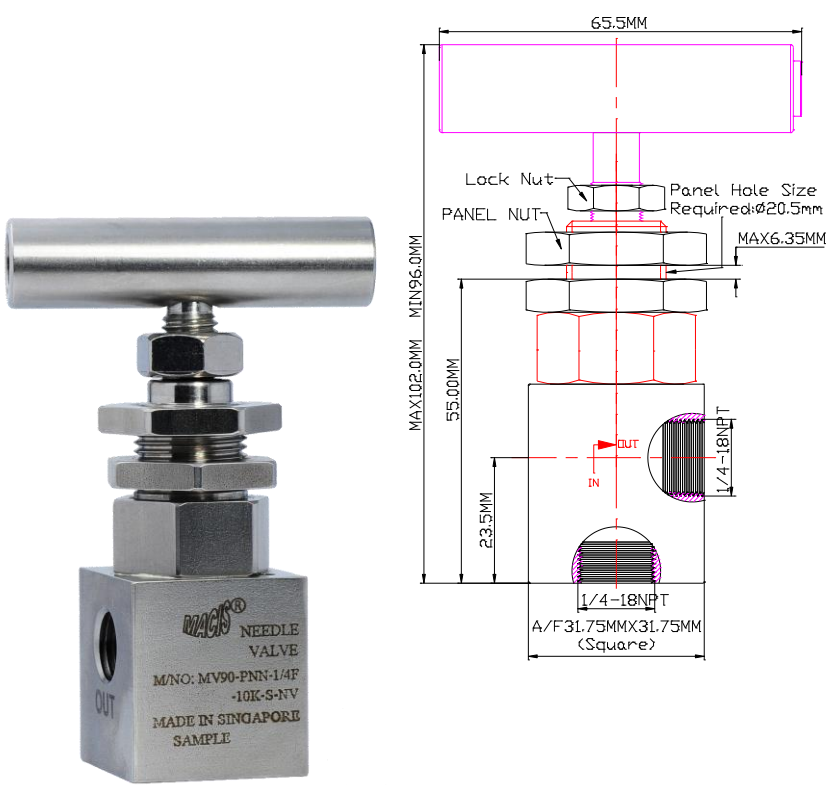
Ordering Ref : MV 90-PN-3/8F-10K-S-NV-L



Ordering Ref : MV 90-PNN-3/8F-10K-S-NV-L



Ordering Ref : MV 90-PN-1/4F-10K-S-NV-L



Ordering Ref : MV 90-PNN-1/4F-10K-S-NV-L

### Specification

Net Weight	450 gm	<b>Distinctions</b>			
Working Media	Air	<b>Ordering Ref no</b>	<b>Port Connection Size</b>	<b>Stem Seal</b>	<b>Locknut</b>
Max Working Pressure	10,000psi (689.4 bar)	MV 90-PN-3/8F-10K-S-NV-L :	IN & OUT Ports: 3/8"-18NPT F	With	Without
Temperature Range	- 30°C to 120°C <i>Other Temperature Ranges available. Consult Factory</i>	MV 90-PNN-3/8F-10K-S-NV-L :		Without	With
Material(Valve Body)	316 L	MV 90-PN-1/4F-10K-S-NV-L :	IN & OUT Ports : 1/4"-18NPT F	With	Without
Exterior Shape	SQ 31.75mm x 31.75mm(1 1/4" x 1 1/4")	MV 90-PNN-1/4F-10K-S-NV-L :		Without	With
Panel Hole Size	Ø20.5mm(51/64")				
Orifice Size	Ø3.0mm(1/8")				
Seal Material	Viton(FKM) <i>Other Seal Material are Available Upon Request</i>				
Flow Rate	Cv = 0.35				

\*\* Measurement stated are with tolerance of +/-10%. Optional Parts/Material are available upon request.

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