



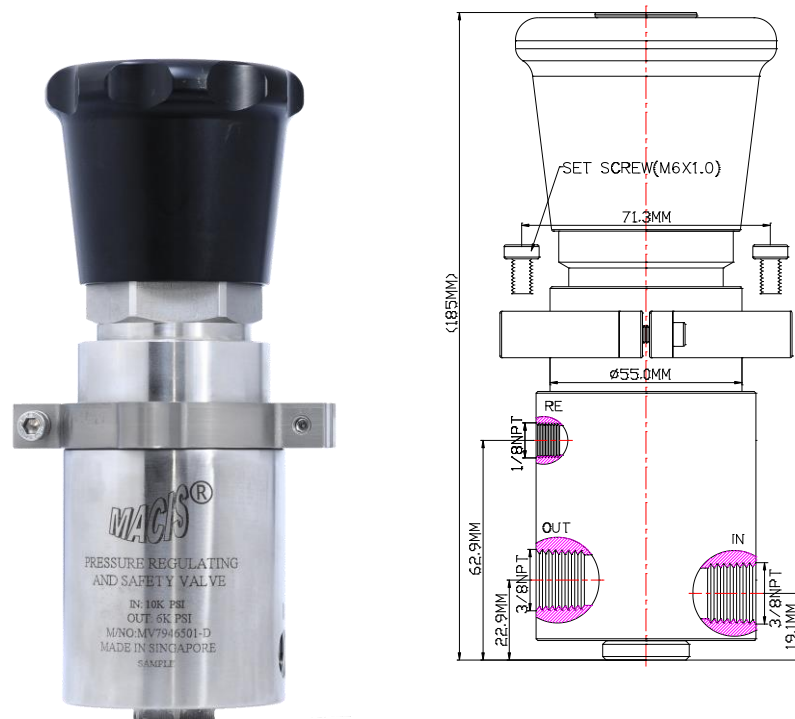
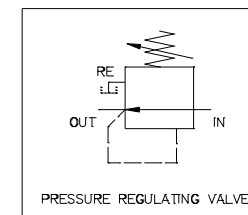
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## PRESSURE REGULATING VALVE

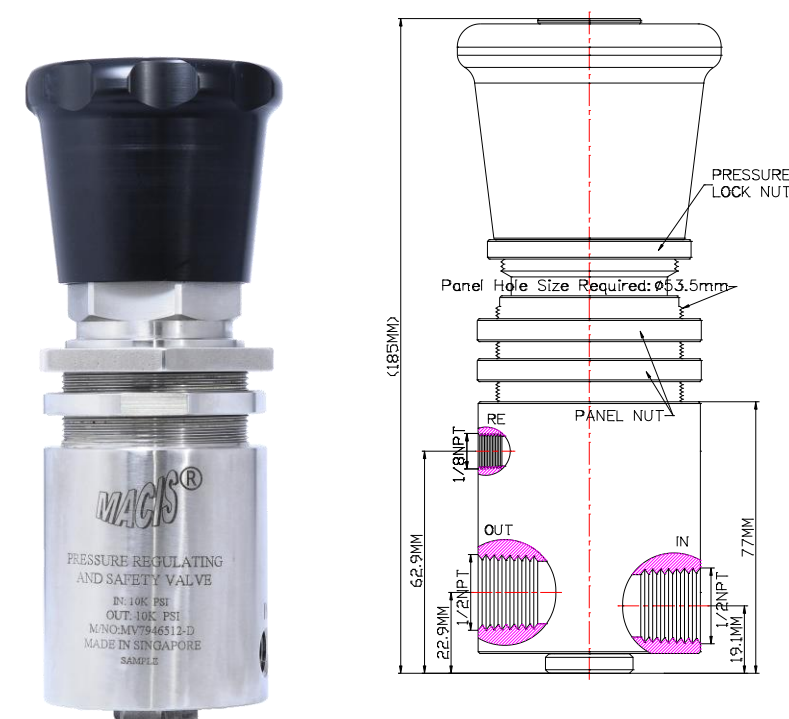
### Descriptions

MV794LP10K-3K-3/8R-S & MV794LP10K-3K-1/2R-P are 2-Position, Normally Open Self-Relieving Pressure regulators. A pressure regulator is a **valve** that automatically cuts off the flow of a gas at a certain pressure. They are used to allow high-pressure fluid supply lines to be reduced to safe and/or usable pressures for various applications.

The pressure media enters the regulator through by IN port, turning the adjusting wheel **clockwise** will increase the spring exerted tension to **increase** the regulator **output pressure**, rotating the adjusting wheel **counterclockwise** will **decrease** the regulator **output pressure**, and this reduced output pressure will be maintained within a predetermined operating pressure range or limit.



Ordering Ref : MV 794LP10K-3K-3/8R-S



Ordering Ref : MV 794LP10K-3K-1/2R-P

### Specification

Control Application	2-Position, Normally Open Self - Relieving To precisely reduce a high upstream pressure and provide stable pressure for application
IN Net Weight	2.75 kg
Working Media	Air
Max Working Pressure	Max Inlet Pressure: 10,000 PSI (689.5 bar) Output Pressure Range: Services up to 3,000psi (206.8bar), Optimum 300~3,000 PSI (20.6~206.8 bar)
Temperature Range	- 30°C to 120°C <i>Other Temperature Ranges available. Consult Factory</i>
Material(Valve Body)	316L
Adjusting Wheel Material	Polyamide <i>Other Material are available, Consult Factory</i>
Orifice Size	Ø2.8mm ( $\frac{7}{64}$ " )
Flow Rate	Cv = 0.2
Seal Material	Viton (FKM) <i>Other Material are available, Consult Factory</i>

### Distinctions

Ordering Ref No: MV 794LP10k-3K-3/8R-S



**Port Connection Size:** IN & OUT Ports: 3/8"-18NPT F, Return: 1/8"-27NPT F  
**Mounting Hole Size :** Ø71.5mm (  $2\frac{13}{16}$  " )

Ordering Ref No : MV 794LP10K-3K-1/2R-P



**Port Connection Size:** IN & OUT Ports: 1/2"-18NPT F, Return: 1/8"-27NPT F  
**Panel Hole Size:** Ø53.5mm (  $2\frac{7}{64}$  " )

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

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