

**General Description**

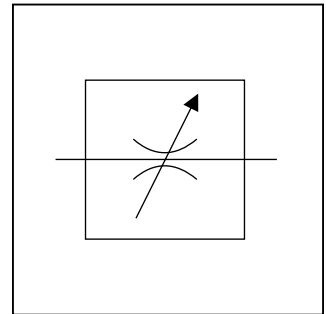
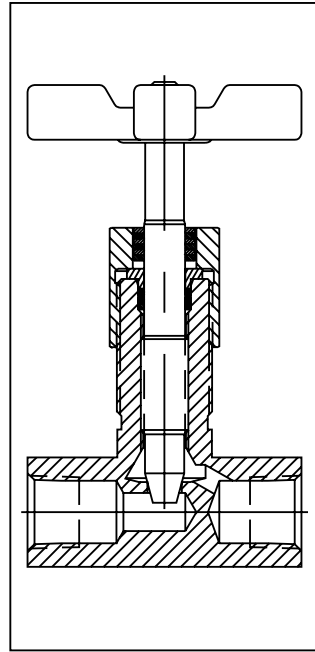
Series 6MV high-precision metering and shut-off valves allow extremely close control of fluids used in actuating and governing equipment.

**Operation**

The standard needle allows fine adjustment at low flow by using the first three turns of the adjusting knob. The next three turns open the valve to full flow, and also provide standard throttling adjustments.

**Specifications**

<b>Maximum Operating Pressure</b>	345 Bar (5000 PSI)		
<b>Maximum Flow</b>	M12 x 1.5	11 LPM	(3 GPM)
	M14 x 1.5	11 LPM	(3 GPM)
	M16 x 1.5	19 LPM	(5 GPM)
	M18 x 1.5	30 LPM	(8 GPM)
	M22 x 1.5	57 LPM	(15 GPM)
	M27 x 2.0	95 LPM	(25 GPM)
<b>Material</b>	Body	ASTM 12L14	Carbon Steel
	Bonnet	ASTM 12L14	Carbon Steel
	Knob	ASTM 12L14	Carbon Steel
	Needle	ASTM 416	Stainless Steel
	Handle	Zinc Die Cast	
<b>Seals</b>	Nitrile — Standard		

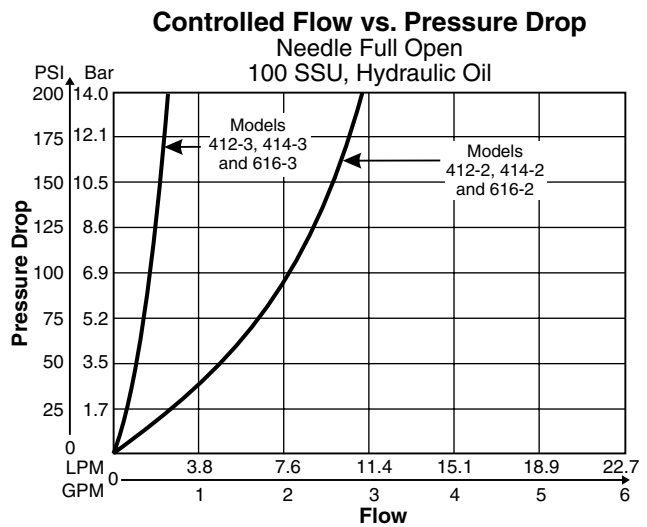
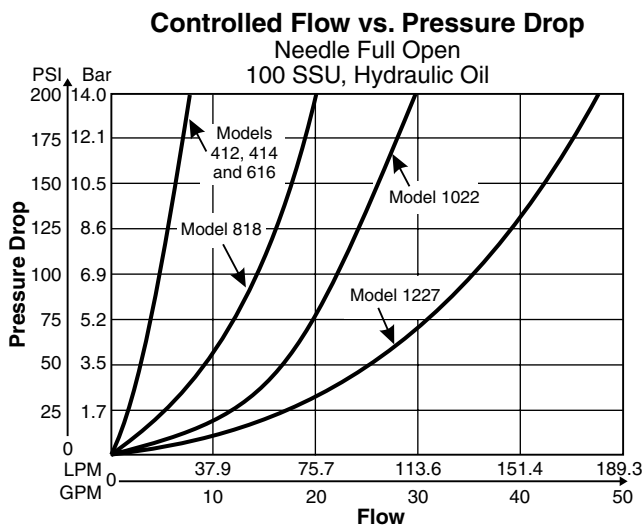


**Features**

- Meets ISO 6149 standards.
- Hard metric dimensions.
- Reliable leak-free performance — straight thread port with o-ring sealing.
- Global interchangeability.



**Performance Curves**

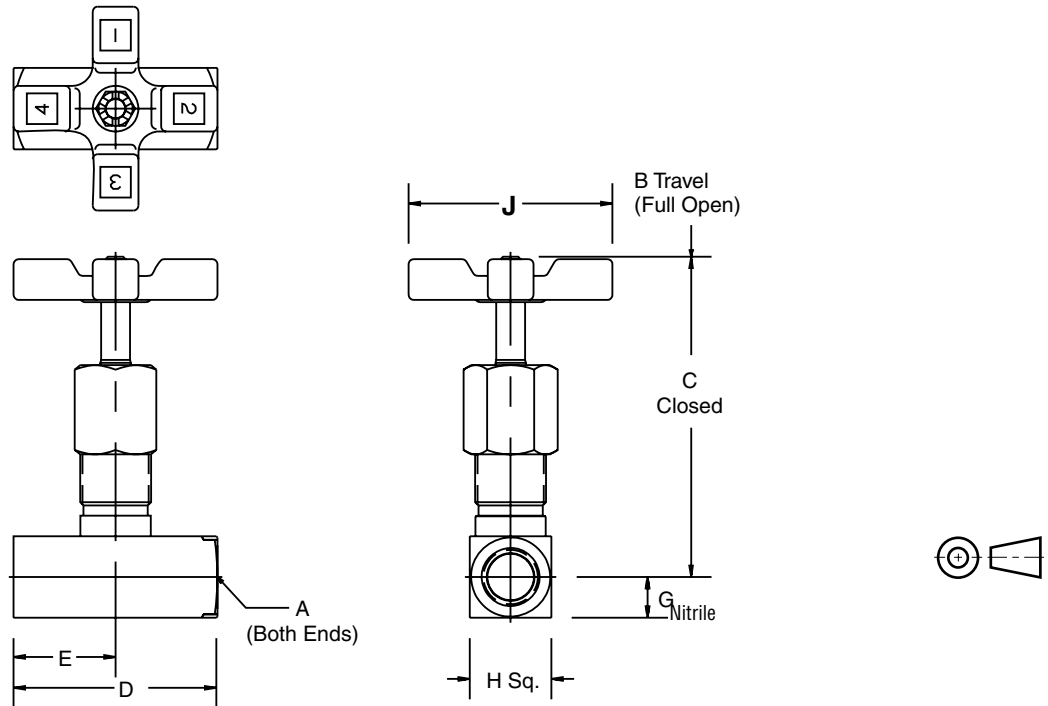


**Ordering Information**

<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">6</div> Ports	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">MV</div> Style	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;"> </div> Size	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">S</div> Material	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;"> </div> Needle Options	<div style="border: 1px solid black; padding: 2px; width: 30px; margin: 0 auto;">┌ ┐ └ ┘</div> Design Series NOTE: Not required when ordering.																														
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**Dimensions**

Inch equivalents for millimeter dimensions are shown in (\*\*)



Model Number	Weight kg (lbs.)	A	B	C	D	E	F	G	H	J
<b>6MV412</b>	0.5 (1.0)	M12 x 1.5	86.9 (3.42)	81.5 (3.21)	50.8 (2.00)	25.4 (1.00)		10.4 (0.41)	20.6 (0.81)	50.8 (2.00)
<b>6MV414</b>	0.5 (1.0)	M14 x 1.5	86.9 (3.42)	81.5 (3.21)	50.8 (2.00)	25.4 (1.00)		10.4 (0.41)	20.6 (0.81)	50.8 (2.00)
<b>6MV616S</b>	0.5 (1.0)	M16 x 1.5	89.2 (3.51)	83.8 (3.30)	60.5 (2.38)	30.2 (1.19)		12.7 (0.50)	25.4 (1.00)	50.8 (2.00)
<b>6MV818S</b>	0.5 (1.2)	M18 x 1.5	108.7 (4.28)	101.1 (3.98)	76.2 (3.00)	38.1 (1.50)		14.2 (0.56)	28.4 (1.12)	63.5 (2.50)
<b>6MV1022S</b>	1.0 (2.1)	M22 x 1.5	129.3 (5.09)	116.6 (4.59)	88.9 (3.50)	44.5 (1.75)		15.7 (0.62)	31.8 (1.25)	82.6 (3.25)
<b>6MV1227S</b>	1.6 (3.5)	M27 x 2.0	141.7 (5.58)	127.8 (5.03)	101.6 (4.00)	50.8 (2.00)		19.1 (0.75)	38.1 (1.50)	98.6 (3.88)

2502-G1.p65, dd

