

MV5700, MV5800, MV5900 Series Manual Control Valves

Manual control valves provide a simple, economical means of controlling gas flow directly from a cylinder. They are manufactured with brass, stainless steel, or Monel® bodies to accommodate both noncorrosive and corrosive gases. Valve stem packing is Teflon® to keep operating torque at a minimum. These valves are available with or without an inlet (cylinder) pressure gauge.

Note: Although designed for direct connection to gas cylinders, these valves do not control pressure. They only control flow. If pressure control is required, USE A PRESSURE REGULATOR.

Specifications

Maximum Operating Pressure:
See Tables I and II

Operating Temperature Range:
-65°F to 165°F

Inlet Pressure Gauge: See Table II

Gauge Size: 2½" Dial

Inlet Connection:

CGA connection as ordered

Outlet Connection: See Tables I and II

Approximate Weight: 1.5 lbs

Materials of Construction

Body:

MV5700: Chrome-Plated Brass

MV5800: Type 316 Stainless Steel

MV5900: Monel®

Gauges:

MV5700: Brass

MV5800: Type 316 Stainless Steel

MV5900: Type 316 Stainless Steel

Fittings:

MV5700: Brass

MV5800: Type 316 Stainless Steel

MV5900: Monel®

Stem:

MV5700: Type 303 Stainless Steel

MV5800: Type 303 Stainless Steel

MV5900: Monel®

Packing: Teflon®



Manual Control Valve without Pressure Gauge



Manual Control Valve with Pressure Gauge

Table I, Manual Control Valves without Pressure Gauge

Outlet Connection	Maximum Operating Pressure (psig)	Part Number		
		Brass Valve	Stn. Stl. Valve	Monel®
¼" NPT female	3000	MV5700-(CGA)	MV5860-(CGA)	MV5900-(CGA)
¼" compression	3000	MV5701-(CGA)	MV5861-(CGA)	—

Table II, Manual Control Valves with Pressure Gauge

Outlet Connection	Maximum Operating Pressure (psig)	Inlet Pressure Gauge (psig)	Part Number		
			Brass Valve	Stn. Stl. Valve	Monel®
¼" NPT female	150	0–200	MV5710-(CGA)	MV5870-(CGA)	MV5910-(CGA)
¼" compression	150	0–200	MV5711-(CGA)	MV5871-(CGA)	—
¼" NPT female	800	0–1000	MV5720-(CGA)	MV5880-(CGA)	MV5920-(CGA)
¼" compression	800	0–1000	MV5721-(CGA)	MV5881-(CGA)	—
¼" NPT female	3000	0–4000	MV5730-(CGA)	MV5890-(CGA)	MV5930-(CGA)
¼" compression	3000	0–4000	MV5731-(CGA)	MV5891-(CGA)	—

Where "(CGA)" is indicated in Tables I and II, insert appropriate Compressed Gas Association connection number to complete the part number. Example: MV5730-350. Order by complete part number.