

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 PTFE 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.



Manual Control Valve without Pressure Gauge



Manual Control Valve with Pressure Gauge

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: PTFE

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.