

Manual Control Valves

The 535 Series manual control valves provide an economical means of controlling gas flow directly from a cylinder for lower pressure gases. These valves do not control pressure or back pressure in a system. If greater flow accuracy or pressure control is required, CONCOA recommends the use of an appropriate regulator (see pages 14-15 for more information). The 535 Series manual control valves are available with a variety of connections, with or without a pressure gauge.



Materials and Specifications

Maximum Inlet Pressure	3000 PSIG (210 BAR)
Temperature Range	-64°F to 250°F (-54°C to 120°C)
Outlet Connection	1/4" compression tube fitting
Weight (without gauge)	1.0 lbs. (0.45 kg)
Weight (with gauge)	1.1 lbs. (0.5 kg)

Ordering Information

Order No.	Body	Stem	Packing	Gauge
535 2030-CGA	Barstock chrome-plated brass	303 stainless steel	PTFE	Without pressure gauge
535 2031-CGA	Barstock chrome-plated brass	303 stainless steel	PTFE	With pressure gauge (0-4000 PSIG/0-28,000 kPa)
535 2032-CGA	Barstock 316L Stainless steel	303 stainless steel	PTFE	Without pressure gauge
535 2033-CGA	Barstock 316L Stainless steel	303 stainless steel	PTFE	With pressure gauge (0-4000 PSIG/0-28,000 kPa)

Needle Valves

The 500 Series miniature needle valves are forged from brass or 316L stainless steel. They are designed for fine flow control in a variety of applications in the chemical process and petroleum industries as well as laboratories and hospitals. The ground and polished stem and PTFE packing make them suitable for controlling the flow of liquids or gases from vacuum to 3000 PSIG.

Materials and Specifications

Temperature Range	-65°F to 450°F (-54°C to 232°C)
Weight	0.7 lbs. (0.3 kg)



FLOW CONTROL

Ordering Information

Order No.	End Fittings	Body	Stem	Packing	Maximum Inlet Pressure
550 0067	1/8" MPT x 1/8" MPT	Forged chrome-plated brass	303 stainless steel	PTFE/Chrome-plated brass	3000 PSIG (210 BAR)
533 9002	1/4" MPT x 1/4" MPT	Barstock Brass body	303 stainless steel	PTFE/Brass	3500 PSIG (240 BAR)
555 3225	1/4" MPT x 1/4" MPT	Forged chrome-plated brass	303 stainless steel	PTFE/Chrome-plated brass	3000 PSIG (210 BAR)
533 9304	1/4" MPT x 1/4" MPT	Barstock 316L Stainless steel	316L stainless steel	PTFE/316L stainless steel	6000 PSIG (415 BAR)
533 9004	1/4" MPT x 1/4" MPT	Barstock Brass body	303 stainless steel	PTFE/Chrome-plated brass	3500 PSIG (240 BAR)