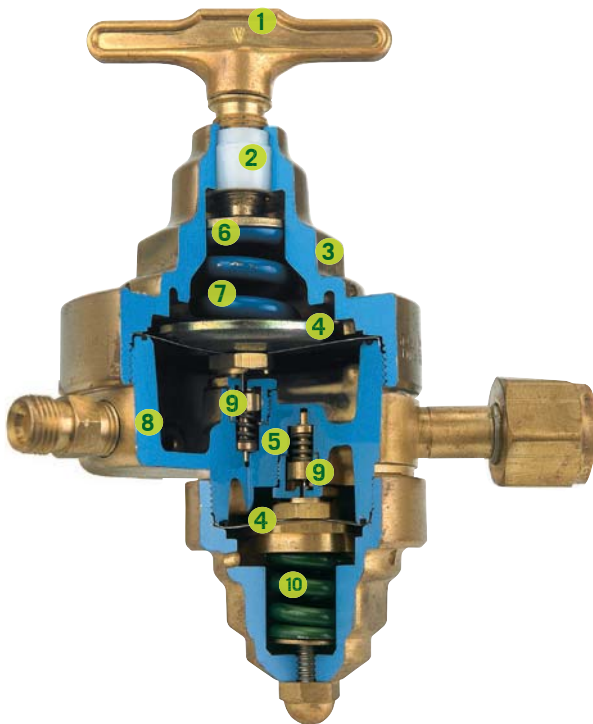


Two Stage Regulators

Recommended for applications that require a constant delivery pressure over a range of decreasing inlet pressures. This precise two stage regulator provides superior operating characteristics for applications where change in delivery pressure would affect performance characteristics of work or test results.



Typical Two Stage Design VTS 450 Series Shown
2.5" (63.5 mm) Brass Gauges External Relief Valve System

- 1 Brass Adjusting Screw with forged T-handle (VTS 700 only)
- 2 Delrin Insert Bushing for durability, easier adjusting
- 3 Die-Forged Brass Spring Housing Cap provides greater strength and durability
- 4 Stainless Steel Diaphragm gives accurate long lasting service
- 5 Stem-Type Seat Mechanism inlet pressure aids in sealing
- 6 Stainless Ball in Key for easy adjustment
- 7 Adjusting Spring pretested for quality assurance
- 8 Die-Forged Brass Body for extra strength
- 9 Precision Machined Nozzle for optimum flow control
- 10 Adjusting Spring designed for precise preset

Additional Features

- External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on low pressure fuel gas models)
- Sintered inlet filter, electroless nickel plated bronze
- Regulators will deliver at least the stated upper range and in some cases may exceed the stated upper range

VTS 700

Extra Heavy Duty, Two-Stage, High Flow

DESIGN/CONSTRUCTION

- 2.5" (63.5 mm) gauges – steel
- Diaphragms – 2" (50.8 mm) and 3.25" (82.6 mm) – stainless steel

DIMENSIONS

6.75" W x 7.5" H x 8.63" D
(171.5 mm x 190.5 mm x 219.1 mm)

WEIGHT

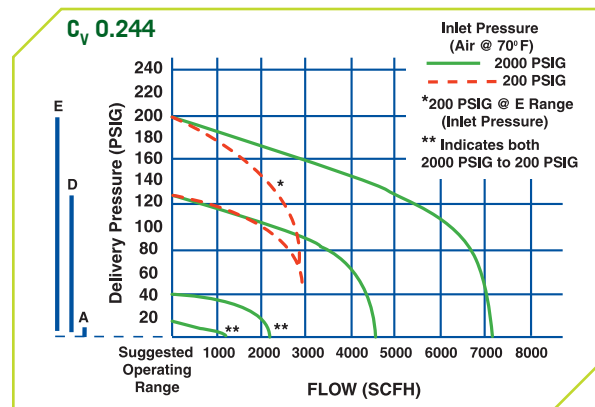
8 lb 8 oz (3.86 kg)

PERFORMANCE

Maximum inlet – 3000 psig



VTS 700 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen, Inert Gas	0780-0928	VTS 700D-580	5-125
	0780-0939	VTS 700E-540	10-200
	0780-0943	VTS 700E-580	10-200
Acetylene	0780-0984	VTS 710A-510	2-15

Outlet Connections: 7/8"-14(M)