



# VTS 700 Series / Two Stage Extra Heavy Duty

Heavy Duty Pressure Regulators, Two Stage

## APPLICATION & USES

### VTS 700 Series

- Extra heavy duty
- Application requiring precise and constant outlet pressure
- Two stage design (Illus. page 5)
- Cylinder and manifold models available  
See page 19 (Manifold models), Section A, pages 4 & 5 Section A, Regulator reference guide (for Heavy Duty Cylinder Regulators)

**Dimensions:** 6-3/4" W x 7-1/2" H x 8-5/8" D  
(17.30 cm x 19.28 cm x 22.11 cm)

**Weight:** ..... 8 lb. 8 oz. (4.23 kg)

## DESIGN/CONSTRUCTION

- Forged brass body and housing cap
- 2-1/2" gauges brass
- Stem type seat mechanism
- Diaphragms - 2", 3-1/4" (Stainless Steel)
- Delrin® cap bushing for smooth adjustments
- External self reseating relief valve  
Not designed to protect downstream apparatus  
(No relief valve is needed on VTS 710 regulators)
- Sintered inlet filter

## PERFORMANCE

Maximum Inlet 3000 PSIG  
Delivery Range .....See chart

## SPECIFICATIONS MATERIALS

Body .....Forged Brass  
Diaphragm .....Stainless Steel  
Housing Cap .....Forged Brass  
Inlet Filter .....Bronze

**NOTE:** Regulators will deliver at least the stated upper range and in some cases may exceed the stated upper range.

VTS 700



 Listed  
Conforms to  
**CGA E-4**

## SAMPLE ORDERING INFORMATION

Model No.	Delivery Range	CGA Inlet Connection
<b>VTS 700</b>	<b>D</b>	<b>540</b>

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

### Delivery Range Key

**A** 2-15 PSIG, **D** 5-125 PSIG, **E** 10-200 PSIG

**NOTE:** For ordering manifold connection models add "M" directly following the model number.

Example: SR 700M D.

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

Flow Chart: Section A, Page 41