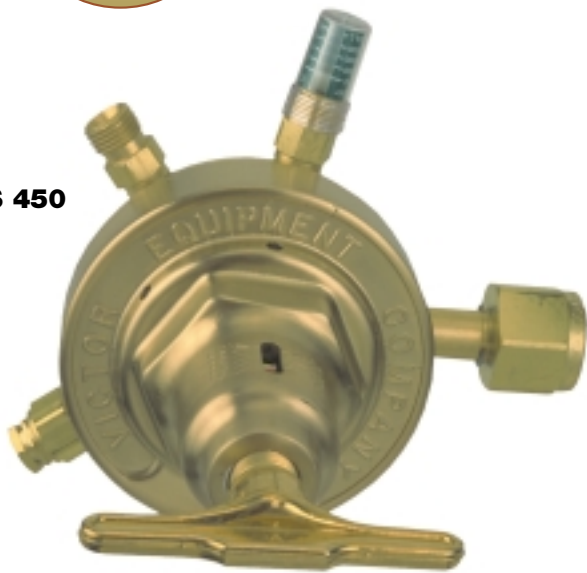




# VGS 350, 450 & VGT 450 Series Gaugeless Regulators Heavy/Medium Duty

**VGS 450**



**SAMPLE ORDERING INFORMATION**

Model No.	CGA Inlet Connection
<b>VGS 350</b>	<b>540</b>

Listed  
Conforms to  
**CGA E-4**

Gas Service	Model No.	Delivery Range (PSIG)	Part No.
<b>VGS Single Stage Series Regulators</b>			
Oxygen,	VGS 350-540	5-80	0781-3421
Acetylene	VGS 360-300	2-15	0781-3423
Acetylene	VGS 360-510	2-15	0781-3422
L.P. Gas	VGS 361-510	2-40	0781-3424
Oxygen,	VGS 450-540	5-80	0781-3403
Acetylene	VGS 460-300	2-15	0781-3404
Acetylene	VGS 460-510	2-15	0781-3405
<b>VGT Two Stage Series Regulators</b>			
Oxygen	VGT 450-540	5-80	0781-3406

**Delivery Range Key**

VGS 350 Model 5-80 PSIG  
 VGS 360 Model 2-15 PSIG  
 VGS 361 Model 2-40 PSIG  
 VGS/VGT 450 Model 5-80 PSIG  
 VGS 460 Model 2-15 PSIG  
**Outlet Connections: 9/16" - 18 (M)**

**APPLICATION & USES**

**VGS 450 / VGS 350  
Single Stage Series**

- Severe duty applications where standard gauges are impractical
- Increases durability and reduces down time
- Heavy & medium duty applications
- Single stage construction (Illus. page 5)

**VGS 350**

**Dimensions:** 5-1/2" W x 4-1/4" H x 5" D  
(15.7 cm x 13.46 cm x 16.34 cm)

**Weight:** ..... 3 lb. 3 oz (1.58 kg)

**VGS 450**

**Dimensions:** 6-1/8" W x 5-1/4" H x 6-3/8" D  
(15.7 cm x 13.46 cm x 16.34 cm)

**Weight:** ..... 4 lb. 14 oz. (2.42 kg)

**VGT 450 Two Stage Series**

- Severe duty applications where standard gauges are impractical
- Increases durability and reduces down time
- Heavy duty applications
- Two stage construction

**VGT 450**

**Dimensions:** 6-1/8" W x 5-1/4" H x 7-1/8" D  
(15.7 cm x 13.46 cm x 17.26 cm)

**Weight:** ..... 5 lb. 10 oz. (2.80 kg)

**DESIGN / CONSTRUCTION**

- Forged brass body and housing cap
- Stem type seat mechanism
- Diaphragms - 2", 3-1/4" (Stainless Steel)
- Inlet pressure indicator
- Delrin® cap bushing for smooth adjustments
- External self reseating relief valve. Not designed to protect downstream apparatus (No relief valve is needed on VGS 460)
- Sintered inlet filter

**PERFORMANCE**

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

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

**SPECIFICATIONS MATERIALS**

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

Flow Chart: Section A, Page 41

**Heavy / Medium Duty Gaugeless Press. Regulators**