

VTS 700 Series

- Extra heavy duty
- Applications requiring precise and constant outlet pressure
- High flow rate up to 8,000 SCFH
- Two stage design
- Manifold models available. See manifold section.

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

Weight: 8 lb. 8 oz. (3.86kg)

DESIGN/CONSTRUCTION

- Forged brass body and housing cap
- 2.5" (63.5mm) gauges - brass
- Stem type seat mechanism
- Diaphragms - 2" (50.8mm) and 3.25" (82.6mm) - stainless steel
- Delrin cap bushing for smooth adjustments
- External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on VTS 710 Series regulators).
- Sintered inlet filter

PERFORMANCE

Maximum inlet..... 3000 PSIG
Delivery range see chart

SAMPLE ORDERING INFORMATION

Model No.	Delivery Range	CGA Inlet Connection
VTS 700	D	540

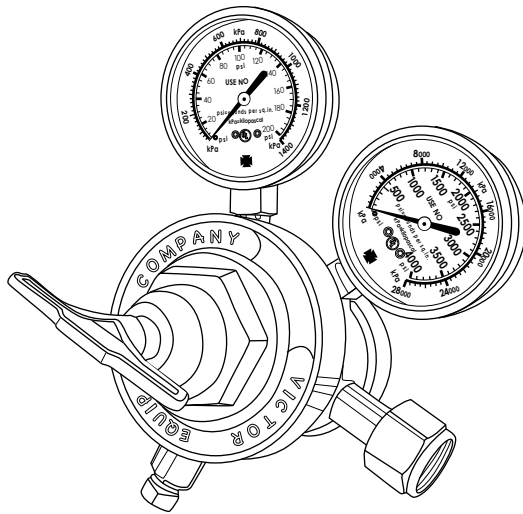
Gas Service	Model No.	Delivery Range (PSIG)	Part No.
Oxygen, Inert Gas	VTS 700 E-540	10-200	0780-0939
	VTS 700 E-580	10-200	0780-0943
Acetylene	VTS 710 A-510	2-15	0780-0984

Delivery Range Key:

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

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

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



SAMPLE ORDERING INFORMATION

Model No.	Delivery Range	CGA Inlet Connection
VTS 450	D	540

Gas Service	Model No.	Delivery Range (PSIG)	Part No.
Air, Oxygen, Inert Gas	VTS 450 A-580	2-15	0781-3907
	VTS 450 B-540	2-40	0781-3904
	VTS 450 B-580	2-40	0781-3908
	VTS 450 D-346	5-125	0781-4013
	VTS 450 D-540	5-125	0781-3905
	VTS 450 D-580	5-125	0781-3909
	VTS 450 D-590	5-125	0781-3916
	VTS 450 E-346	10-200	0781-4014
	VTS 450 E-540	10-200	0781-3906
VTS 450 E-580	10-200	0781-3913	
Methane, Hydrogen	VTS 452 B-350	2-40	0781-3959
	VTS 452 D-350	5-125	0781-3963
	VTS 452 E-350	10-200	0781-3964
CO ₂ & N ₂ O	VTS 453 D-320	5-125	0781-3974
Acetylene	VTS 460 A-300	2-15	0781-3983
	VTS 460 A-510	2-15	0781-3984
L.P. Gas	VTS 461 B-510	2-40	0781-3993
	VTS 461 D-510	5-125	0781-3994

Delivery Range Key

A 2-15 PSIG **B** 2-40 PSIG
D 5-125 PSIG **E** 10-200 PSIG

Outlet Connections: Cylinder Type
 9/16"-18 (M)
 5/8"-18 RH(F)
 5/8"-18 LH(F)

VTS 450 Series

- Heavy duty
- Medium to high capacity
- Applications requiring precise and constant outlet pressure
- Two stage design
- Manifold models available. See manifold section.

Dimensions: 8" W x 8" H x 7.38" D
 (203.2mm x 203.2mm x 187.5mm)

Weight: 7 lb. 6 oz. (3.35kg)

DESIGN/CONSTRUCTION

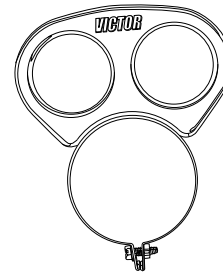
- Forged brass body and housing cap
- 2.5" (63.5mm) gauges - brass
- Stem type seat mechanism
- Diaphragm - 2" (50.8mm) and 3.25" (82.6mm) - stainless steel
- Delrin cap bushing for smooth adjustments
- External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on VTS 460 and VTS 461 Series regulators).
- Sintered inlet filter - bronze

PERFORMANCE

Maximum inlet..... 3000 PSIG

Delivery range see chart

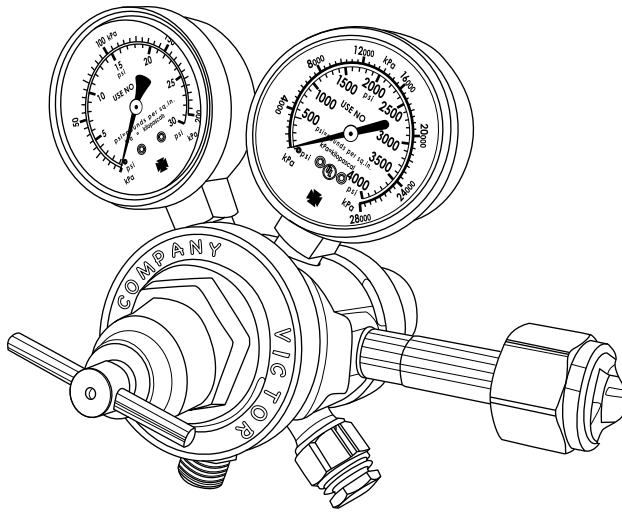
Regulators will deliver at least the stated upper range and in some cases may exceed the stated upper range.



Part No.

1429-0056 Steel Gauge Guard Green-Oxygen

1429-0057 Steel Gauge Guard Red-Acetylene



VTS 250 Series

- Medium duty gas service
- Applications requiring precise and constant outlet pressure
- Ideal for some laboratory applications
- Two stage design

Dimensions: 6.5" W x 5.63" H x 6.13" D
(165.1mm x 143.0mm x 155.7mm)

Weight: 4 lb. 10 oz. (2.10kg)

DESIGN/CONSTRUCTION

- Forged brass body and housing cap
- 2" (50.8mm) gauges - brass
- Stem type seat mechanism
- Diaphragm 1.3" (28.7mm) and 1.75" (44.5mm) - fabric reinforced neoprene
- Delrin cap bushing for smooth adjustments
- External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on VTS 260 Series regulators).
- Sintered inlet filter - bronze

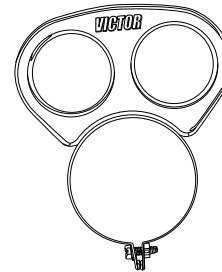
PERFORMANCE

Maximum inlet 3000 PSIG
Delivery range see chart

SAMPLE ORDERING INFORMATION

Model No.	Delivery Range	CGA Inlet Connection
VTS 250	C	540

Gas Service	Model No.	Delivery Range (PSIG)	Part No.
Air, Oxygen, Inert Gas	VTS 250A-540	2-15	0781-3503
	VTS 250A-580	2-15	0781-3507
	VTS 250B-540	2-40	0781-3504
	VTS 250B-580	2-40	0781-3508
	VTS 250C-346	4-80	0781-3510
	VTS 250C-540	4-80	0781-3505
	VTS 250C-580	4-80	0781-3509
	VTS 250D-346	5-125	0781-3512
	VTS 250D-540	5-125	0781-3506
	VTS 250D-580	5-125	0781-3513
Hydrogen	VTS 252A-350	2-15	0781-3558
	VTS 252B-350	2-40	0781-3559
	VTS 252C-350	4-80	0781-3563
	VTS 252D-350	5-125	0781-3564
CO ₂	VTS 253B-320	2-40	0781-3573
	VTS 253C-320	4-80	0781-3574
	VTS 253D-320	5-125	0781-3575
Acetylene	VTS 260A-300	2-15	0781-3583
	VTS 260A-510	2-15	0781-3584
L.P. Gas	VTS 261B-510	2-40	0781-3594
	VTS 261BL-555	2-40	0781-3525



Part No.

1429-0068 Steel Gauge Guard Green-Oxygen

1429-0069 Steel Gauge Guard Red-Acetylene

Delivery Range Key

- A 2-15 PSIG B 2-40 PSIG
C 4-80 PSIG D 5-125 PSIG

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

Outlet Connections: Cylinder Type
9/16"-18 (M)
5/8"-18 RH(F)
5/8"-18 LH(F)