

SR 450 Series Single Stage Regulators Heavy Duty

VICTOR® Professional

5 YEAR
LIMITED WARRANTY



UL Listed
Conforms to
CGA E-4

SAMPLE ORDERING INFORMATION

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

Gas Service	Model No.	Delivery Range (PSIG)	Part No.
Air, Oxygen, Inert Gas	SR 450A-540	2-15	0781-0503
	SR 450A-580	2-15	0781-0504
	SR 450B-540	2-40	0781-0515
	SR 450B-580	2-40	0781-0516
	SR 450D-346	5-125	0781-0532
	SR 450D-540	5-125	0781-0527
	* CSR 450D-540	5-125	0781-0531
	SR 450D-580	5-125	0781-0528
	SR 450D-590	5-125	0781-0529
	SR 450E-346	10-200	0781-0542
Methane, Hydrogen	SR 450E-540	10-200	0781-0539
	SR 450E-580	10-200	0781-0543
	SR 452B-350	2-40	0781-0558
CO ₂	SR 452D-350	5-125	0781-0564
	SR 452E-350	10-200	0781-0567
Acetylene	SR 453D-320	2-40	0781-0576
	SR 453E-320	10-200	0781-0578
L.P. Gas	SR 460A-300	2-15	0781-0583
	SR 460A-510	2-15	0781-0584
	** CSR 460A-510	2-15	0781-0591
L.P. Gas	SR 461B-510	2-40	0781-0589
	SR 461D-510	5-125	0781-0595
	** CSR 461B-510	2-40	0781-0600

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) *Unless noted*
5/8" - 18 (F) RH
5/8" - 18 (F) LH

CSR * Green Gauges-Oxygen ** Red Gauges-Fuel

APPLICATION & USES

SR 450 Series

- Medium to high capacity gas service
- Wide variety of industrial and commercial applications
 - Construction
 - Petro-Chemical
- Single stage design (Illus. page 5)
- Manifold models available (see page 20)

Dimensions: 7-1/4 W x 7" H x 5-1/8" D
(18.56 cm x 17.92 cm x 13.12 cm)

Weight: 5 lb. 2 oz. (2.5 kg)

NOTE: The shape of the SR 450 series regulator is a registered trademark of Victor®.

DESIGN / CONSTRUCTION

- Forged brass body and housing cap
- 2-1/2" gauges brass
- Stem type seat mechanism
- 3-1/4" diaphragm 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 SR 460 and SR 461 series regulators)
- Sintered inlet filter

PERFORMANCE

Maximum Inlet3000 PSIG

Delivery RangeSee chart

SPECIFICATIONS MATERIALS

BodyForged Brass

DiaphragmStainless steel

Housing CapForged Brass

Inlet Filter.....Bronze

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

Flow Chart: Section A Pages 41-46

SR 450 Series Single Stage Regulators Heavy Duty (cont.)

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Part No.

0781-0486 SR450D-540 with Gauge Guards
0781-0487 SR460A-510 with Gauge Guards
0781-0488 SR460A-300 with Gauge Guards
0785-0547 SR450D-992-00 with Gauge Guards
0785-0548 SR460A-993-00 with Gauge Guards



Part No.

1429-0056 Steel Gauge Guard Green-Oxygen
1429-0057 Steel Gauge Guard Red-Acetylene

