

Regulators

SINGLE STAGE

EDGE™ Series

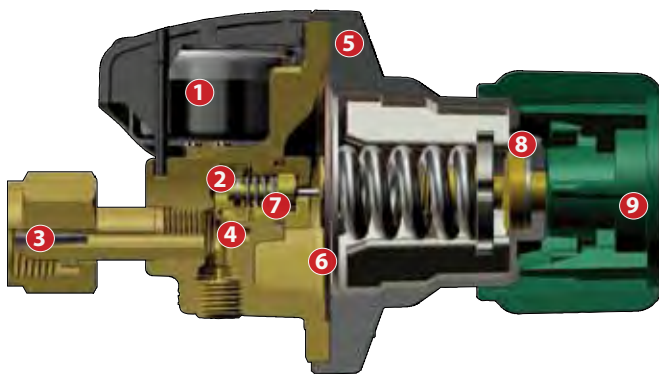
Innovative new EDGE™

Series Regulators Offer Safety and Advanced Design



Victor® has been the leader in gas equipment for close to a century, and its tradition of unparalleled safety remains a cornerstone of the brand today. With the Victor Professional EDGE Series Regulators, Victor continues to offer the safest, most reliable and highest quality gas control technology, giving you more value for your purchase. In addition, standardized designs and components throughout the EDGE family greatly simplify regulator service and repair.

REGULATORS



- 1 Gauges are recessed into the body for the highest level of safety and protection possible
- 2 More efficient internal flow paths translate to improved flow consistency from full to empty cylinder
- 3 Same sintered inlet filter used in all Victor industrial regulators
- 4 Innovative design elements enable the regulator to meet or exceed oxygen-related safety standards CGA E-4, UL 252, and the stringent ASTM G-175 Promoted Ignition Test
- 5 Housing cap is made from high strength zinc-aluminum alloy that has nearly twice the yield strength of forged brass
- 6 Time-tested fabric reinforced neoprene diaphragm provides superior sensitivity and control
- 7 Seat assembly and friction damper are the same tried and true components used for decades in SR 350 and SR 450
- 8 Internals remain protected from weather elements through an internal vent system protected under the knob, which is channeled to promote water run-off
- 9 SLAM™ Knob designed with multi-stage crumple zones which absorb impact energy in the event the cylinder falls over. Helps protect pressure integrity of both regulator and cylinder valve.



ADDITIONAL FEATURES

- Forged brass body
- External self reseating relief valve. Not designed to protect downstream equipment (no relief valve is needed on low pressure fuel gas models).

U.S. Customer Care: 1-800-426-1888 / FAX 1-800-535-0557
 Canada Customer Care: 1-905-827-4515 / FAX 1-800-588-1714

ESS7

High Flow

DESIGN/CONSTRUCTION

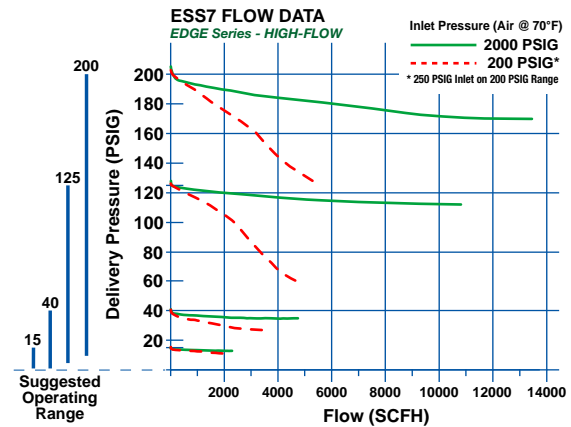
- 2.5" (63.5 mm) gauges – brass
- 2.7" (68.6 mm) diaphragm – fabric reinforced neoprene

DIMENSIONS

6.8"W x 6.9"H x 5.4"D
 (172.7 mm x 175.3 mm x 137.1 mm)

WEIGHT

4.9 lb. (2.22 kg)



Gas Service	Part No.	Model No.	Delivery Range (PSIG)
Air, Oxygen, Inert Gas	0781-5184	ESS7-200-346	10-200
	0781-5181	ESS7-125-540	5-125
	0781-5183	ESS7-200-540	10-200
	0781-5220	ESS7-200-992	10-200
	0781-5182	ESS7-125-580	5-125
	0781-5185	ESS7-200-580	10-200
Methane/Hydrogen	0781-5186	ESS7-200-350	10-200
Acetylene	0781-5187	ESS7-15-510	2-15
L.P. Gas	0781-5188	ESS7-125-510LP	5-125



EDGE ADJUSTING LOCK



PART NO: 0750-0221

Ideal for setting pressures and avoiding tampering by others. Comes with three color decals - red, green, black.



ESS4 High Capacity

DESIGN/CONSTRUCTION

- High impact ABS gauge guard
- 1.5" (40 mm) gauges – steel
- 2.7" (68.6 mm) diaphragm – fabric reinforced neoprene

DIMENSIONS

6.8" W x 4.4" H x 3.9" D
(172.7 mm x 111.8 mm x 99.1 mm)

WEIGHT

4.0 lb. (1.81kg)



ESS3 Medium Capacity

DESIGN/CONSTRUCTION

- High impact ABS gauge guard
- 1.5" (40 mm) gauges – steel
- 2" (50.8 mm) diaphragm – fabric reinforced neoprene.

DIMENSIONS

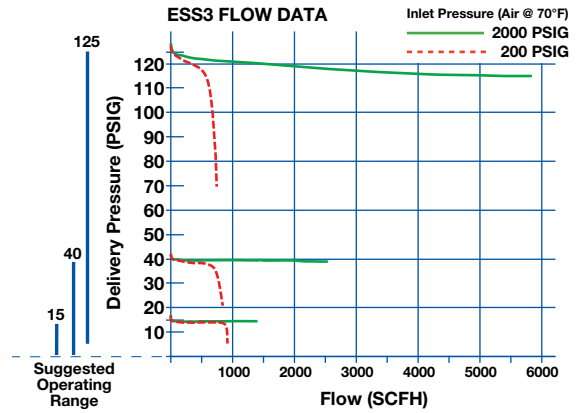
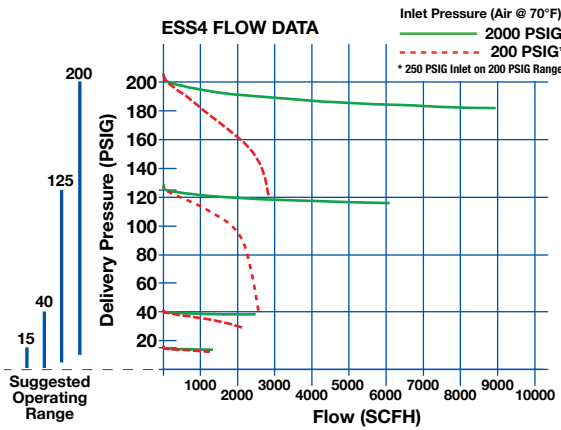
6.6"W x 4.4"H x 3.6"D
(167.6 mm x 111.8 mm x 91.4 mm)

WEIGHT

3.5 lb. (1.59 kg)



REGULATORS

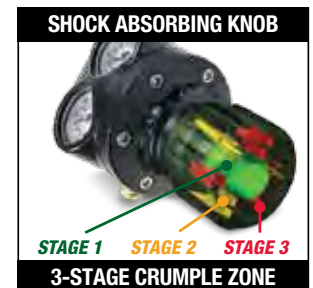


Gas Service	Part No.	Model No.	Delivery Range (PSIG)
Air, Oxygen, Inert Gas	0781-5142	ESS4-125-346	5-125
	0781-5145	ESS4-200-346	10-200
	0781-5154	ESS4-40-540	2-40
	0781-5127	ESS4-125-540	5-125
	0781-5161	ESS4-125-540L	5-125
	0781-5131	ESS4-200-540	10-200
	0781-5143	ESS4-125-580	5-125
	0781-5144	ESS4-200-580	10-200
	0781-5152	ESS4-200-580L	10-200
	0781-5146	ESS4-125-590	5-125
British Oxygen	0781-5128	ESS4-125-992	5-125
	0781-5155	ESS4-200-992	10-200
Methane/Hydrogen	0781-5137	ESS4-125-350	5-125
	0781-5138	ESS4-200-350	10-200
Carbon Dioxide	0781-5147	ESS4-200-320	10-200
Acetylene	0781-5133	ESS4-15-300	2-15
	0781-5160	ESS4-15-300L	2-15
	0781-5140	ESS4-15-410	2-15
	0781-5132	ESS4-15-510	2-15
	0781-5134	ESS4-15-993	2-15
Acetylene (longer swivel)	0781-5159	ESS4-15-510L	2-15
L.P. Gas	0781-5135	ESS4-40-510LP	2-40
	0781-5136	ESS4-125-510LP	5-125

YELLOW	RED	GREEN	BLACK	GRAY	ORANGE
Air	Acetylene	Oxygen	Inert Gas	Carbon Dioxide	LPG

Gas Service	Part No.	Model No.	Delivery Range (PSIG)
Air, Oxygen, Inert Gas	0781-5115	ESS3-125-346	5-125
	0781-5100	ESS3-125-540	5-125
	0781-5122	ESS3-40-580	2-40
	0781-5116	ESS3-125-580	5-125
Acetylene	0781-5106	ESS3-15-300	2-15
	0781-5105	ESS3-15-510	2-15
L.P. Gas	0781-5108	ESS3-40-510LP	2-40
	0781-5109	ESS3-125-510LP	5-125
Methane Hydrogen	0781-5110	ESS3-40-350	2-40
	0781-5111	ESS3-125-350	5-125
Carbon Dioxide	0781-5121	ESS3-125-320	5-125

YELLOW	RED	GREEN	BLACK	GRAY	ORANGE
Air	Acetylene	Oxygen	Inert Gas	Carbon Dioxide	LPG

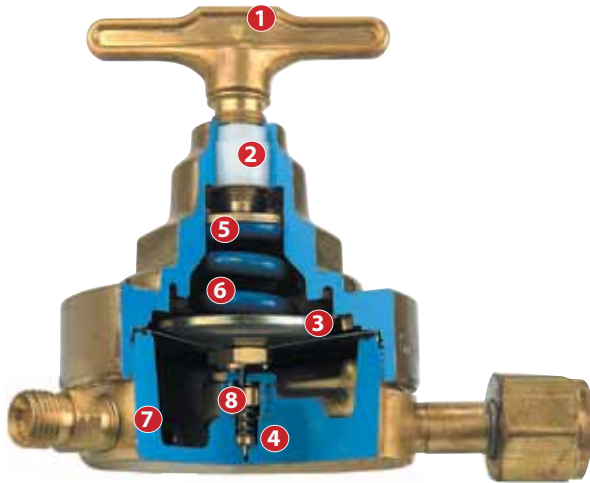


Regulators

SINGLE STAGE

Single Stage Regulators

Recommended for applications where slight delivery pressure increases (due to decreasing cylinder pressures) would not affect the performance characteristics of the work or test results.



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

- 1 **Brass Adjusting Screw** with forged T-handle (SR 450 only)
- 2 **Delrin Insert Bushing** for durability, easier adjusting
- 3 **Stainless Steel Diaphragm** gives accurate long lasting service
- 4 **Stem-Type Seat Mechanism** inlet pressure aids in sealing
- 5 **Stainless Ball in Key** for easy adjustment
- 6 **Adjusting Spring** pretested for quality assurance
- 7 **Die-Forged Brass Body** for extra strength
- 8 **Precision Machined Nozzle** for optimum flow control

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

SR 450

Heavy Duty



DESIGN/CONSTRUCTION

- 2.5" (63.5 mm) gauges – brass
- 3.25" (82.6 mm) diaphragm – stainless steel

DIMENSIONS

7.25 W x 7" H x 5.13" D
(184.2 mm x 177.8 mm x 130.3 mm)

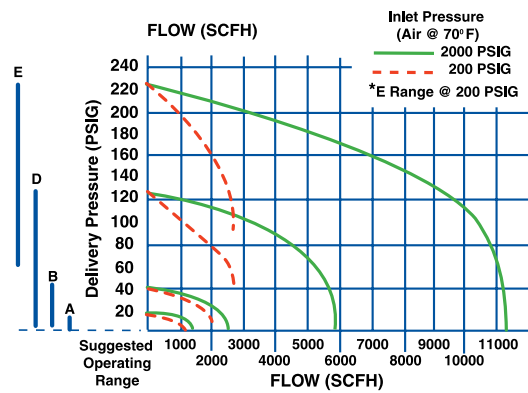
WEIGHT

5 lb. 2 oz. (2.32 kg)

The shape of the SR450 Series regulator is a registered trademark of Victor.

PERFORMANCE

Maximum inlet – 3000 PSIG



Gas Service	Part No.	Model No.	Delivery Range (PSIG)
Air, Oxygen, Inert Gas	0781-0532	SR 450D-346	5-125
	0781-0527	SR 450D-540	5-125
	0781-0528	SR 450D-580*	5-125
	0781-0543	SR 450E-580*	10-200
Acetylene	0781-0583	SR 460A-300	2-15
	0781-0584	SR 460A-510	2-15
L.P. Gas	0781-0589	SR 461B-510	2-40
	0781-0595	SR 461D-510	5-125

Outlet Connections: Cylinder Type – 9/16"-18 (M), *9/16"-18 (F) RH

SR 350 Heavy/Medium Duty

DESIGN/CONSTRUCTION

- 2.5" (63.5 mm) gauges – brass
- 2.75" (69.9 mm diaphragm – fabric reinforced neoprene

DIMENSIONS

7.5" W x 6.5" H x 4.5" D
(190.5 mm x 165.1 mm x 114.3 mm)

WEIGHT

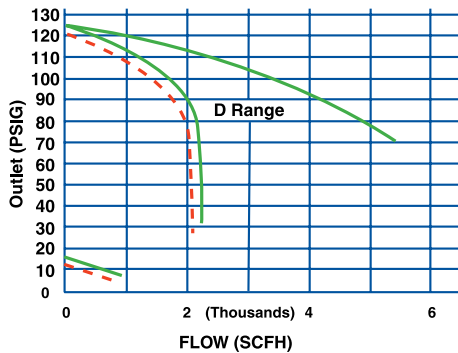
3 lb. 8 oz. (1.59 kg)

PERFORMANCE

Maximum inlet – 3000 PSIG



FLOW DATA (Flowing Air at STD. Conditions)



Gas Service	Part No.	Model No.	Delivery Range (PSIG)
Oxygen	0781-2341	SR 350D-540	5-125
Acetylene	0781-2400	SR 360A-300**	2-15
	0781-2401	SR 360A-510	2-15

Outlet Connections: Cylinder Type – 9/16"-18 (M), **9/16"-18 (M) LH

SR 250 Medium Duty

DESIGN/CONSTRUCTION

- 2" (50.8 mm) gauges – brass
- 1.75" (44.5 mm) diaphragm – fabric reinforced neoprene

DIMENSIONS

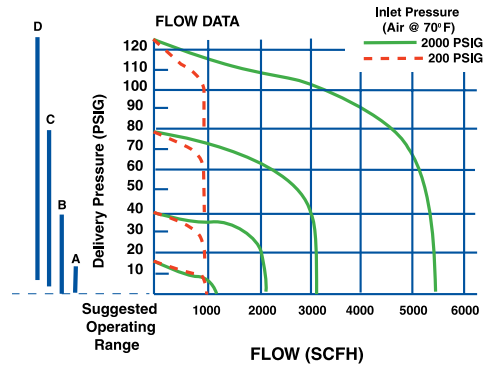
6.38" W x 5.13" H x 4.25" D
(162.0 mm x 130.3 mm x 108.0 mm)

WEIGHT

2 lb. 15 oz. (1.33 kg)

PERFORMANCE

Maximum inlet – 3000 PSIG



Gas Service	Part No.	Model No.	Delivery Range (PSIG)
Oxygen	0781-0027	SR 250C-540	4-80
	0781-0043	SR 250D-540	5-125
Acetylene	0781-0085	SR 260A-300	2-15
	0781-0087	SR 260A-510	2-15
	0387-0115	SR 260A-510 CS	2-15
L.P. Gas	0781-0095	SR 261B-510	2-40
	0781-0098	SR 261C-510	4-80

CS = Clamshell Packaging

Outlet Connections: Cylinder Type – 9/16"-18 (M)

Gauge Guards

Gas Service	Part No.	Model No.
Oxygen	1429-0056	SR 450/VTs 450
	1429-0066	SR 350
	1429-0068	SR 250/VTs 250
Acetylene	1429-0057	SR 450/VTs 450
	1429-0067	SR 350
	1429-0069	SR 250/VTs 250



- Protects your gauges
- Color-coded for easy identification

GREEN
Oxygen

RED
Acetylene