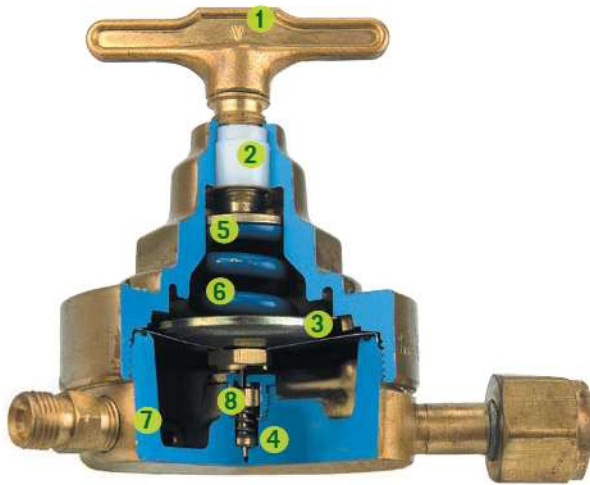


## Single Stage Regulators

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

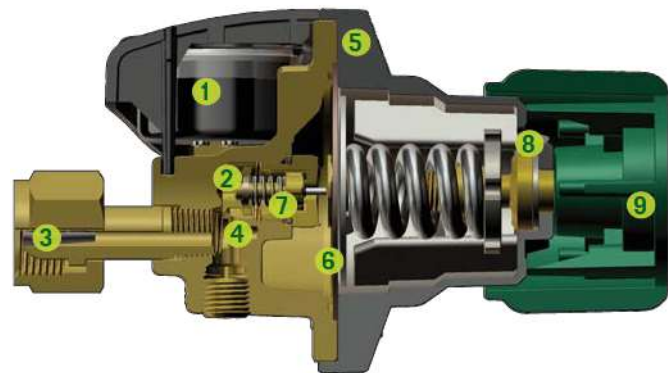
### Additional Features

- 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

## EDGE™ Series

### Innovative EDGE™ Series Regulators Offer Safety and Advanced Design

Victor® has been the leader in gas equipment for one hundred years, 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.



- 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.

### EDGE SERIES COLOR CODING BY GAS TYPE



### 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).

### ESS7

#### High Flow

##### DESIGN/CONSTRUCTION

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

##### DIMENSIONS

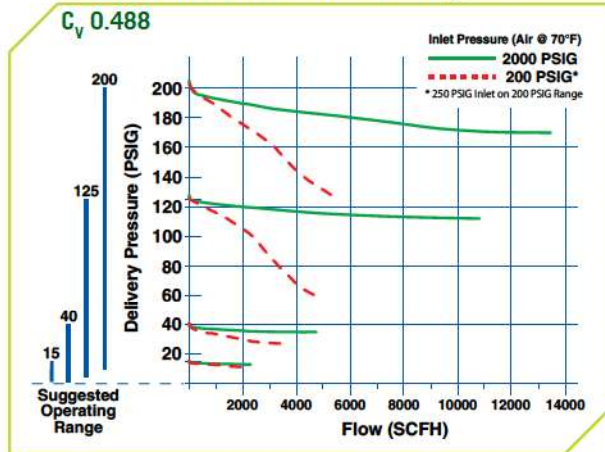
6.8"W x 6.9"H x 5.4"D  
(172.7 mm x 175.3 mm x 137.1 mm)

##### WEIGHT

4.9 lb (2.22 kg)



ESS7 FLOW DATA - EDGE Series High-Flow



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

Outlet Connection 7/8"-14(M)

Like other regulators

#### EDGE ADJUSTING LOCK

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



Part No: 0750-0221

### 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)

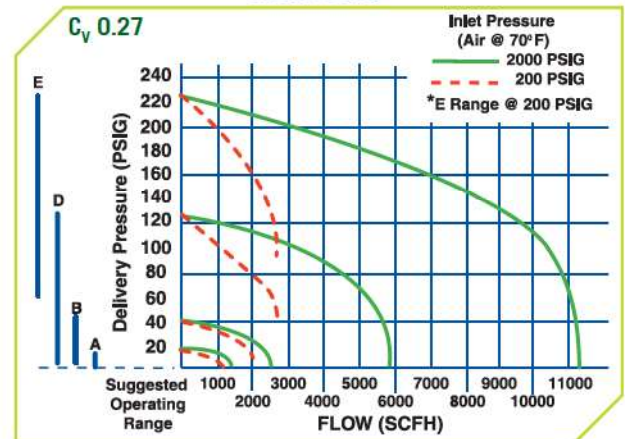
The shape of the SR450 Series regulator is a registered trademark of Victor.

##### PERFORMANCE

Maximum inlet – 3000 psig



FLOW (SCFH)



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

### 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

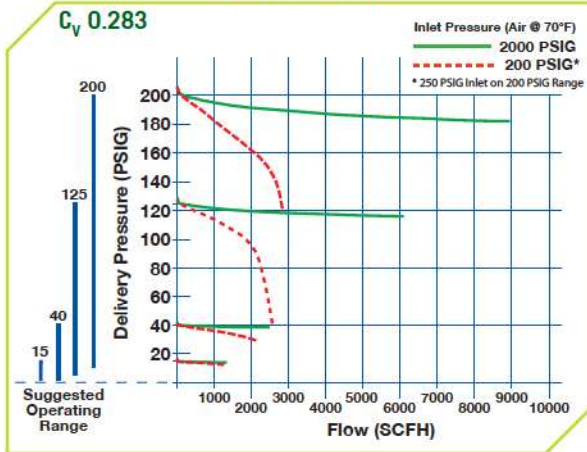
6.6"W x 4.4"H x 3.6"D  
(167.6 mm x 111.8 mm x 91.4 mm)

##### WEIGHT

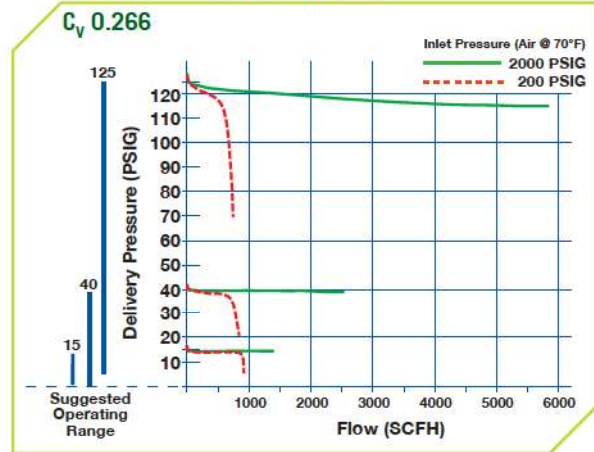
3.5 lb (1.59 kg)



ESS4 FLOW DATA



ESS3 FLOW DATA



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
	0781-5133	ESS4-15-300	2-15
Acetylene	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

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



# Regulators

SINGLE STAGE

## 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

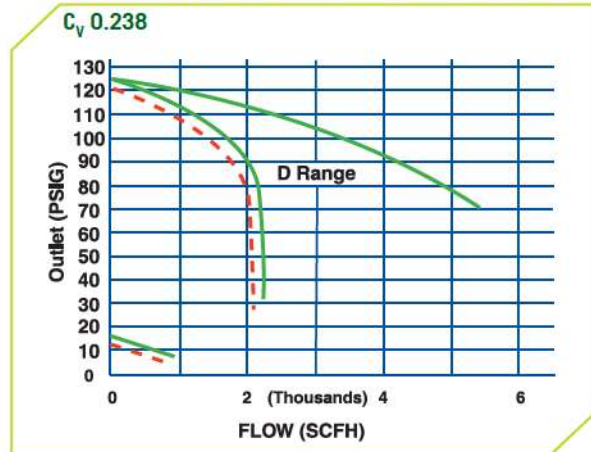
3 lb 8 oz (1.59 kg)

#### PERFORMANCE

Maximum inlet – 3000 psig



ESS7 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



## G350

### Heavy Duty

#### DESIGN/CONSTRUCTION

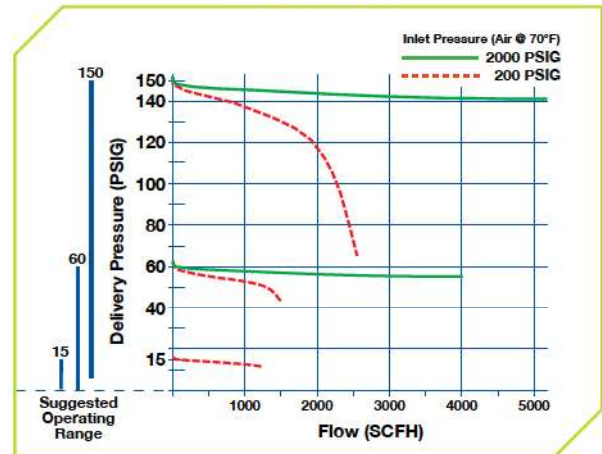
- Larger regulator body for heavy duty applications
- Color coded knobs
- Forged brass body & Zinc Aluminum housing cap
- 2" (50.8 mm) gauges
- 9/16"-18 outlet connection
- Internal relief

#### WEIGHT

3.55 lb (1.61kg)



G350 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-9415	G350-150-540	150
Acetylene	0781-9421	G350-15-300	15
Inert	0781-9416	G350-150-580	150
	0781-9420	G350-15-510	15
LP	0781-9422	G350-60-510LP	60

Watch the Victor EDGE™ Regulator SLAM Safety Video  
[www.youtube.com/watch?v=35ejr42XFmM](http://www.youtube.com/watch?v=35ejr42XFmM)

REGULATORS

### G250

#### Medium Duty

##### DESIGN/CONSTRUCTION

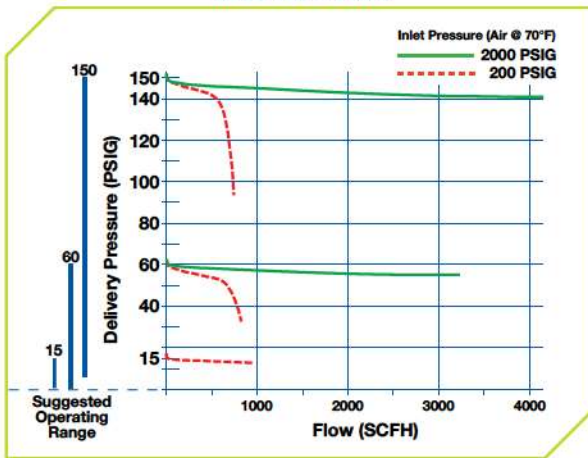
- Compact size for light to medium duty applications
- Acetylene, Oxygen and LP gas models
- Color coded knobs
- Single stage
- Forged brass body & Zinc Aluminum housing cap
- 2" (50.8 mm) gauges
- Delivery ranges vary based on model (see ordering information)
- 9/16"-18 outlet connection
- Internal relief



##### WEIGHT

3 lb (1.36 kg)

G250 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-9400	G250-150-540	150
	0781-9405	G250-15-510	15
Acetylene	0781-9406	G250-15-300	15
	0781-9410	G250-60-510LP	60

### 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

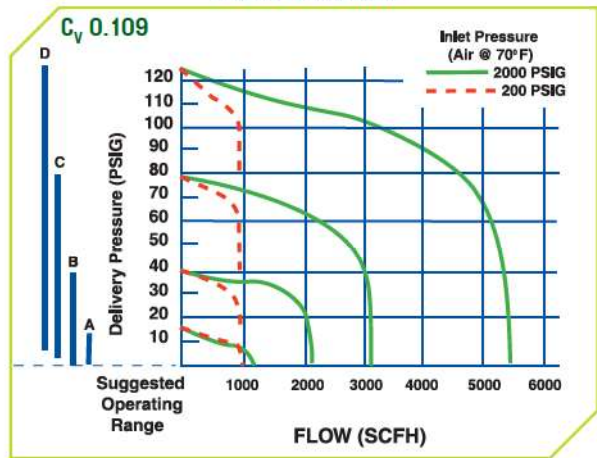
2 lb 15 oz (1.33 kg)

##### PERFORMANCE

Maximum inlet – 3000 psig



SR250 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-0027	SR 250C-540	4-80
	0781-0043	SR 250D-540	5-125
	0781-0085	SR 260A-300	2-15
Acetylene	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

# Regulators

SINGLE STAGE

## SR 5/SR 6

### Light Duty

#### DESIGN/CONSTRUCTION

- Light weight, compact
- Machined brass body & housing cap
- 1.5" (38.1 mm) gauges - brass
- Stem type seat mechanism
- 1.25" (31.8 mm) diaphragm - fabric reinforced neoprene
- Internal self reseating diaphragm relief valve (no relief valve is needed on SR 6 Series regulators).
- Sintered inlet filter - bronze



#### DIMENSIONS

4.75" W x 4.25" H x 3.25" D  
(120.7 mm x 108.0 mm x 82.6 mm)

#### WEIGHT

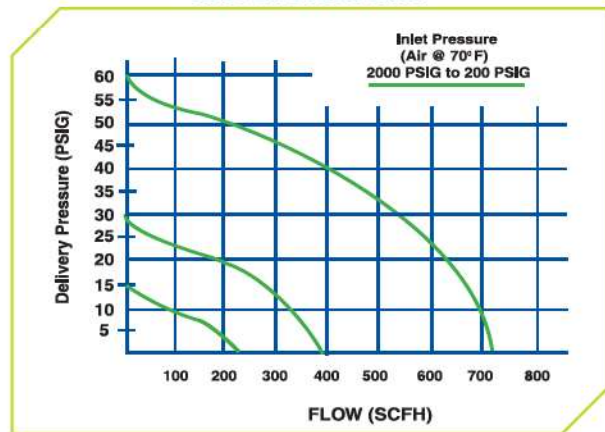
1 lb 12 oz (0.79 kg)

#### PERFORMANCE

Maximum inlet – 3000 psig  
Delivery range (See chart)

*Regulators will deliver at least the stated upper range at no flow and in some cases may exceed the stated upper range.*

SR 5 / SR 6 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen, CO <sub>2</sub> , Inert Gas	0780-2544	SR 5-40-320	2-40
	0780-2537	SR 5-40-580	2-40
	0780-2520	SR 5-60-540 CS	2-60
	0781-2545	SR 5-60-540R CS	2-60
Acetylene	0780-2521	SR 6-15-510 CS	2-15
	0780-2524	SR 6-15-200	2-15
	0781-2546	SR 6-15-200R CS	2-15
L.P. Gas	0780-2533	SR 7-40-510 CS	2-40

Outlet Connections: 9/16"-18 (M), 5/8"-18 (F)

## GF250

### Medium Capacity

#### DESIGN/CONSTRUCTION

- Dual 2" gauges
- Zinc-Aluminum bonnet
- Single stage design
- Ergonomic adjusting knob
- For Argon or Argon/CO<sub>2</sub> mix shielding gases
- Color scale graphics with MIG and TIG ranges



#### WEIGHT

2.10 lb (1.22 kg)

#### PERFORMANCE

Maximum inlet pressure: 3000 psig  
Up to 50 CFH / for Argon and up to 38 CFH / for CO<sub>2</sub>

Part No.	Description
0781-9411	GF250-50-580
0781-9412	GF250-50-580 (with 10' hose)

Outlet Connection: 5/8"-18 RH(F)  
CS = Clamshell Package

## AF & CF 150

### Light Duty

#### DESIGN/CONSTRUCTION

- Single stage design
- Forged brass body & housing cap
- Stem type seat mechanism
- Argon, Argon/CO<sub>2</sub> mix & CO<sub>2</sub> models
- Available in CGA 320 & 580 inlet connections
- Optional MIG kit available with 10' (3.1 m) hose



#### WEIGHT

1.90 lb (0.86kg)

#### PERFORMANCE

Maximum inlet pressure: 3000 psig  
Up to 50 CFH / for Argon and up to 38 CFH / for CO<sub>2</sub>

Part No.	Model No.
0781-1103	AF 150-580 CS (With 10' (3.1m) hose)
0387-0245	AF 150-580 CS
0781-1120	CF 153-320
0781-1123	CF 153-320 CS (With 10' (3.1 m) hose)

Outlet Connection: 5/8"-18 RH(F)  
CS = Clamshell Package

REGULATORS