Model Numbering Explanation

Single or Two Stage model designations as well as those identifying delivery range are common to all regulators unless otherwise noted on individual ordering charts. When ordering be certain to specify delivery range, CGA inlet connections, and regulator part number.

Regulator Ordering Matrix

XX → Single Stage Model; XXX → Series; X → Delivery Range; XXX → CGA Connection*

Single Stage Model		Series		Delivery Range		CGA Connection*			
SR	Single Stage	150	Light Duty	A	2-15 psig	CGA 200	Acetylene (MC)	CGA 580	Nitrogen, Argon, Helium
HSR	Single Stage with Flow Meter	250	Medium Duty	B	2-40 psig	CGA 300	Acetylene (Commercial)	CGA 590	Air (Industrial)
VTS	Two Stage Design	350	Heavy Duty	C	4-80 psig	CGA 320	Carbon Dioxide	CGA 660	Corrosive
HVTS	Two Stage with Flow Meter	450	Extra Heavy Duty	D	5-125 psig	CGA 326	Nitrous Oxide	CGA 677	Nitrogen, Argon & Helium
AR	Air Relieving			E	10-200 psig	CGA 346	Air (Formerly 1340)	CGA 680	Nitrogen, Argon
S	Station			F	50-750 psig	CGA 347	Air	CGA 701	Oxygen
L	Line			G	100-1500 psig	CGA 350	Fuel Gas, Hydrogen	CGA 992	British Oxygen & Inert Gas
HRF	Single Stage w/ Internal Flow Meter			J	200-3000 psig	CGA 500	Medical Mixtures	CGA 993	British Fuel Gas
AF	Argon Flow Gauge			K	300-4500 psig	CGA 510	Acetylene (POL)	CGA 996	Manifold Oxygen & Inert Gas
CF	CO2 Flow Gauge					CGA 510LP	Propane, Natural Gas, Propylene	CGA 997	Manifold Fuel Gas
DL	Dome Loaded					CGA 520	Acetylene (B)	CGA 024	Station Oxygen
BSL	Bulk System Line					CGA 540	Oxygen	CGA 025	Station Fuel Gas
DFM	Dual Flow Meter					CGA 555	Propane, Butane	CGA 034	Station Inert Gas
						CGA 577	Oxygen		

Ordering Example:

SR-250-D-540

Single Stage, 250 Series, with 5-125 Delivery Range, for Oxygen Service CGA 540 Inlet

Edge Series Regulator Ordering Matrix

X → Series; XX → Type; X → Capacity; XXX → Max Delivery Pressure; XXX → CGA Connection*; XX → Suffix

Series		Type		Capacity		Max Delivery Pressure	CGA Connection*	Suffix	
E	Edge Series	SS	Single Stage, Side Inlet	7	High Flow	15, 40, 80, 125, 200, 750, 1500, 3000, 4500	*Same as above Chart	R	Rear Entry
		LC	Liquid Cylinder	4	High Capacity			A	Acetylene
		ST	Station	3	Medium Capacity			F	Fuel Gas
		SL	Line					X	Oxygen
		TS	Two Stage					LP	Liquified Petroleum

Ordering Example:

ESS4-125-510LP

Edge Series Single Stage, High Capacity w/ up to 125 Delivery Range, for Liquid Petroleum Service CGA 510 Inlet

Regulator Delivery Ranges

A	2-15 psig	F	50-750 psig
B	2-40 psig	G	100-1500 psig
C	4-80 psig	J	200-3000 psig
D	5-125 psig	K	300-4500 psig
E	10-200 psig		

Outlet pressure delivery ranges are not minimum or maximum outlet pressure limits. Regulators can be adjusted to zero psig outlet pressure and generally, to pressures in excess of those specified. The use of these regulators to control pressures outside of the specified ranges is not recommended.

Regulator Gauges

A Range	2-30 psig	F Range	50-1000 psig
B Range	2-60 psig	G Range	100-2000 psig
C Range	4-100 psig	J Range	200-4000 psig
D Range	5-200 psig	K Range	200-6000 psig
E Range	10-400 psig		

When ordering regulators, specify part numbers. Regulators should not be used as a shut-off valve nor should they be used to protect downstream equipment. Unless otherwise noted, high pressure gauges for all oxygen, inert gas, CO_2 and N_2O, and hydrogen models are graduated 200-4000 psig. High pressure gauges for fuel gas models are graduated 10-400 psig. Low pressure or outlet gauge ranges are determined by the regulator delivery range selected.

How to read the Flow Data Charts:

The regulator flow data is provided to assist in determining the proper regulator for the required application. The data is given for reference purposes only. If additional information is necessary contact your local distributor or the Customer Service Department at 1-800-426-1888

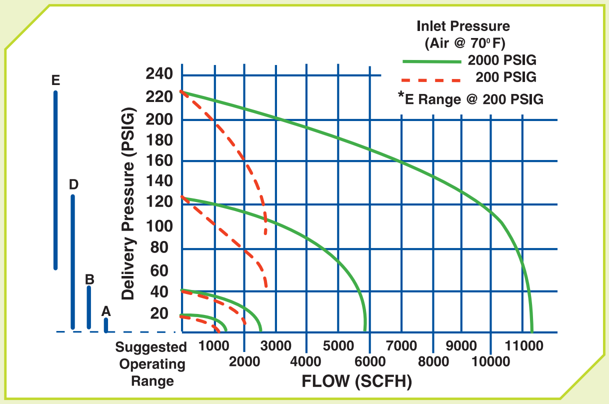
The regulator flow data was established by connecting a valve to the regulator outlet. The valve was opened and the flow rates measured. The amount of pressure drop is shown on the curves as the flow increases.

Example

An SR 450D with an inlet of 2000 psig and an internal pressure setting of 125 psig (no flow) will flow 1000 SCFH, but the delivery pressure will drop to 115 lb As the flow increased to 2000 SCFH, the pressure will drop to 108 psig.

With an inlet pressure of 200 psig and an initial setting of 125 psig, the regulator will flow 1000 SCFH with a pressure drop to 98 psig. At 2000 SCFH flow, the pressure will drop to 78 psig. If a delivery pressure other than the ones shown on the flow charts is required, use an average curve rate between the upper and lower pressures shown.

FLOW (SCFH)



REGULATORS

Delivery Pressure Rise

Single stage regulators have an increase in delivery pressure as the cylinder pressure decreases. Listed below is the amount of pressure increase per 100 psig decrease in cylinder (inlet) pressure.

ESS7-125	.95 psig
ESS7-200	1.54 psig
ESS4-125-540	.59 psig
ESS3-125-540	.53 psig
SR 4 Series	J & K Range 4.8 psig
SR 5 Series	1.0 psig
SR 250 Series	0.5 psig
SR 350 Series	0.8 psig
SR 450 Series	0.6 psig
SR 600 Series	0.58 psig
SR 700 Series	1.2 psig

The change in delivery pressure of a Two Stage regulator from full to empty Cylinder (inlet pressure) is negligible.

For Conversion to Other Gases

All flow capacity information is given in SCFH of free air (1.00). For conversion to other gases multiply the air flow by the correction factor listed below.

- Acetylene.. 1.05
- Argon 0.85
- Carbon Dioxide.. 0.81
- Helium 2.69
- Hydrogen.. 3.79
- Mapp® 0.82
- Natural Gas 1.28
- Nitrogen 1.02
- Oxygen 0.95
- Propane.. 0.80

Pressure Drop Reference Charts

Oxygen Hose

Delivery Pressure Pounds Per Square Inch	Oxygen Flow SCFH	Pressure Drop Pound Per Square Inch Hose Length in Feet															
		3/16" Hose				1/4" Hose				5/16" Hose				3/8" Hose			
		12.5	25	50	100	12.5	25	50	100	12.5	25	50	100	12.5	25	50	100
10	100	5.0	6.3				2.0	3.8	6.0	*	*	*	2.3	*	*	*	2.0
	250					9.4				2.7	4.1	5.9		*	*	3.3	6.4
25	100	3.6	5.7	8.2	13.4	*	*	2.9	4.3	*	*	*	*	*	*	*	*
	250	13.2	18.3			6.3	7.9	11.7	16.8	*	2.4	3.2	6.7	*	*	*	3.7
	500					21.5				6.3	8.7	12.1	19.9	2.7	4.6	6.9	11.9
50	100	2.0	3.4	5.9	9.3	*	*	2.0	2.7	*	*	*	*	*	*	*	*
	250	8.0	12.6	19.4		2.7	5.0	7.9	11.0	*	*	2.2	3.9	*	*	*	2.6
	500					14.1	18.2			3.4	5.9	7.7	13.3	*	2.9	4.7	8.0
	750									8.8	12.3	17.8		3.8	6.0	9.8	10.9
75	100	*	2.6	3.8	7.1	*	*	*	2.8	*	*	*	*	*	*	*	*
	250	6.0	9.4	13.3	23.1	3.0	3.8	6.0	8.2	*	*	*	2.8	*	*	*	2.0
	500	19.7				10.7	13.8	19.8		2.5	3.9	6.3	9.4		2.0	3.4	5.9
	750					22.5				6.6	8.8	13.7	18.8	2.7	4.1	7.0	12.2
	1000									11.8	14.7	22.6		4.9	6.9	12.0	20.3
1000	100	*	*	2.7	4	*	*	*	*	*	*	*	*	*	*	*	*
	250	4.7	6.7	10.3	16.9	2.2	2.8	4.3	6.0	*	*	*	2.2	*	*	*	*
	500	14.1	21.0			8.1	10.8	15.0	21.2	2.0	2.9	4.4	7.1	*	*	2.1	4.6
	750					17.7	23.0	32.3	42.8	4.7	6.9	10.3	15.4	*	2.9	4.9	8.7
	1000					31.0	37.0	53.0	68.5	8.6	11.8	17.4		3.1	5.2	8.8	14.4
	1500					65.5	82.0			19.1				7.7	11.8	19.4	

Acetylene Hose

Delivery Pressure Pounds Per Square Inch	Acetylene Flow SCFH	Pressure Drop Pound Per Square Inch Hose Length in Feet															
		3/16" Hose				1/4" Hose				5/16" Hose				3/8" Hose			
		12.5	25	50	100	12.5	25	50	100	12.5	25	50	100	12.5	25	50	100
5	25	0.3	0.5	1.0	1.8	**	**	0.5	0.8	**	**	**	0.3	**	**	**	**
	50	1.2	2.0	3.2		0.5	0.9	1.3	2.4	**	0.3	0.4	0.7	**	**	0.3	0.4
	75	2.6	3.9			1.2	1.8	2.6	4.5	0.4	0.5	0.8	1.4	**	0.3	0.5	0.8
	100	4.3				1.9	2.8	4.4		0.5	0.8	1.3	2.4	0.3	0.4	0.7	1.1
	150					4.0				1.2	1.7	2.7	4.8	0.5	0.8	1.2	2.2
10	25	0.3	0.5	0.8	1.4	**	**	0.3	0.7	**	**	**	**	**	**	**	**
	50	0.9	1.6	2.5	4.9	0.5	0.7	1.1	2.0	**	**	0.3	0.6	**	**	**	0.3
	75	2.0	3.1	6.3		0.9	1.4	2.2	3.7	0.3	0.4	0.5	0.6	**	**	0.3	0.6
	100	4.5	5.4			1.6	2.0	3.6	6.0	0.4	0.6	0.9	2.2	**	0.3	0.5	1.9
	150	7.0				3.2	4.5	7.3		0.9	1.3	2.1	3.9	0.4	0.6	1.0	2.5
	250					8.1				2.3	3.5	5.2	9.8	0.9	1.4	2.5	4.4
	500									8.2				3.3	4.8	8.3	
14	25	**	0.4		1.3	**	**	0.3	0.6	**	**	**	**	**	**	**	**
	50	0.8	1.4		4.6	0.4	0.6	0.9	1.6	**	**	**	0.4	**	**	**	0.3
	75	1.9	2.9		10.0	0.8	1.2	1.9	3.0	**	0.3	0.5	1.0	**	**	0.3	0.5
	100	3.5	5.1			1.4	2.0	3.0	4.7	0.3	0.6	0.7	1.7	**	0.3	0.4	0.8
	150	7.9				2.9	4.0	6.0	8.7	0.8	1.2	1.7	3.4	0.3	0.5	0.9	1.6
	250					7.4	9.5			2.0	3.1	4.5	8.1	0.7	1.2	2.3	3.8
	500									8.7	10.5	13.7		2.9	4.0	8.1	11.5

**Indicates pressure drop of less than 2.0 per sq. in.*
***Indicates pressure drop of less than 0.2 per sq. in.*
To obtain the recommended inlet pressure at the equipment, add the pressure drop figure (shown above) to the delivery pressure at the regulator. Do not exceed 15 psig for acetylene.

Regulator Selection Guide - By Gas Service

Oxygen

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS7 High Capacity Single Stage	ESS7-125-540	0781-5181	5-125	4000	200	540	7/8" – 14 M RH	3000	20
ESS7 High Capacity Single Stage	ESS7-200-540	0781-5183	10-200	4000	400	540	7/8" – 14 M RH	3000	20
ESS4 High Capacity Single Stage	ESS4-40-540	0781-5154	2-40	4000	60	540	9/16" – 18 M RH	3000	21
ESS4 High Capacity Single Stage	ESS4-125-540	0781-5127	5-125	4000	200	540	9/16" – 18 M RH	3000	21
ESS4 High Capacity Single Stage	ESS4-200-540	0781-5131	10-200	4000	400	540	9/16" – 18 M RH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-125-540	0781-5100	5-125	4000	200	540	9/16" – 18 M RH	3000	21
SR 450 Heavy Duty Single Stage	SR-450D-540	0781-0527	5-125	4000	200	540	9/16" – 18 M RH	3000	22
SR 350 Heavy/Medium Sinlge Stage	SR-350D-540	0781-2341	5-125	4000	200	540	9/16" – 18 M RH	3000	23
VTS 700 Extra Heavy Duty Two Stage	VTS700E-540	0780-0939	10-200	4000	400	540	9/16" – 18 M RH	3000	24
ETS4 High Capacity Two Stage	ETS4-40-540	0781-5217	2-40	4000	60	540	9/16" – 18 M RH	3000	25
ETS4 High Capacity Two Stage	ETS4-125-540	0781-5218	5-125	4000	200	540	9/16" – 18 M RH	3000	25
ETS4 High Capacity Two Stage	ETS4-200-540	0781-5219	10-200	4000	400	540	9/16" – 18 M RH	3000	25
VTS 250 Medium Duty Two Stage	VTS250A-540	0781-3503	2-15	4000	30	540	9/16" – 18 M RH	3000	25
VTS 250 Medium Duty Two Stage	VTS250B-540	0781-3504	2-40	4000	60	540	9/16" – 18 M RH	3000	25
VTS 250 Medium Duty Two Stage	VTS250C-540	0781-3505	4-80	4000	100	540	9/16" – 18 M RH	3000	25
VTS 250 Medium Duty Two Stage	VTS250D-540	0781-3506	5-125	4000	200	540	9/16" – 18 M RH	3000	25
SR 4 High Pressure	SR4F-540	0781-1405	30-750	4000	1000	540	1/4" Swaglok®	3000	26
SR 4 High Pressure	SR4G-540	0781-1425	100-1500	4000	2000	540	1/4" Swaglok®	3000	26
SR 4 High Pressure	SR4J-540	0781-1445	200-3000	4000	4000	540	1/4" Swaglok®	3000	26
SR 600 High Pressure	SR600-550-540	0781-1610	5-550	6000	1000	540	1/4" Swaglok®	3000	27
ELC4 High Capacity Liquid Cylinder	ELC4-125-540R	0781-5199	5-125	--	200	540	9/16" – 18 M RH	3000	28
ESL4 High Capacity Line	ESL4-125-250	0781-5190	5-125	--	200	1/4" NPT	1/4" NPT F	3000	29
EST4 High Capacity Station	EST4-40-024	0781-5191	2-40	--	60	024	9/16" – 18 M RH	200	29
EST4 High Capacity Station	EST4-40-024R	0781-5204	2-40	--	60	024	9/16" – 18M RH	200	29
EST4 High Capacity Station	EST4-80-024	0781-5192	4-80	--	100	024	9/16" – 18 M RH	200	29
EST4 High Capacity Station	EST4-80-024R	0781-5205	4-80	--	100	024	9/16" – 18 M RH	200	29
EST4 High Capacity Station	EST4-125-024	0781-5193	5-125	--	200	024	9/16" – 18 M RH	200	29
EST4 High Capacity Station	EST4-125-024R	0781-5206	5-125	--	200	024	9/16" – 18 M RH	200	29
L700 High Flow Line	L700C-500	0780-1229	4-80	--	100	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700C-750	0780-1220	4-80	--	100	3/4" NPT F	3/4" NPT F	350	30
L700 High Flow Line	L700D-500	0780-1207	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700D-500PMT	0780-1236	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700D-750	0780-1209	5-125	--	200	3/4" NPT F	3/4" NPT F	350	30
L700 High Flow Line	L700E-500	0780-1221	10-200	--	400	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700E-750	0780-1222	10-200	--	400	3/4" NPT F	3/4" NPT F	350	30
DL700 Dome Load	DL700	0780-1188	5-125	--	--	1/2" NPT F	1/2" NPT F	500	31
BSL Bulk System Line	BSL700	0780-1200	10-200	--	400	1/2" NPT F	1/2" NPT F	350	31

EDGE SERIES COLOR CODING BY GAS TYPE

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

Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
VictorTechnologies.com

Regulator Selection Guide - By Gas Service

Acetylene

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS7 High Capacity Single Stage	ESS7-15-510	0781-5187	2-15	400	30	510	7/8" – 14 LH	3000	20
ESS7 High Capacity Single Stage	ESS7-200-350	0781-5186	10-200	4000	400	350	7/8" – 14 M LH	3000	20
ESS4 High Capacity Single Stage	ESS4-15-300	0781-5133	2-15	400	30	300	9/16" – 18 M LH	3000	21
ESS4 High Capacity Single Stage	ESS4-15-410	0781-4140	2-15	400	30	410	9/16" – 18 M LH	3000	21
ESS4 High Capacity Single Stage	ESS4-15-510	0781-5132	2-15	400	30	510	9/16" – 18 M LH	3000	21
ESS4 High Capacity Single Stage	ESS4-15-993	0781-5134	2-15	400	30	993	9/16" – 18 M LH	3000	21
ESS4 High Capacity Single Stage	ESS4-15-510	0781-5150	2-15	400	30	510	9/16" – 18 M LH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-15-300	0781-5106	2-15	400	30	300	9/16" – 18 M LH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-15-510	0781-5105	2-15	400	30	510	9/16" – 18 M LH	3000	21
SR 450 Heavy Duty Single Stage	SR460A-300	0781-0583	2-15	400	30	300	9/16" – 18 M LH	3000	22
SR 450 Heavy Duty Single Stage	SR460A-510	0781-0584	2-15	400	30	510	9/16" – 18 M LH	3000	22
SR 350 Heavy/Medium Single Stage	SR360A-300	0781-2400	2-15	400	30	300	9/16" – 18 M LH	3000	23
SR 350 Heavy/Medium Single Stage	SR360A-510	0781-2401	2-15	400	30	510	9/16" – 18 M LH	3000	23
SR 250 Medium Duty Single Stage	SR260A-300	0781-0085	2-15	400	30	300	9/16" – 18 M LH	3000	23
SR 250 Medium Duty Single Stage	SR260A-510	0781-0087	2-15	400	30	510	9/16" – 18 M LH	3000	23
VTS 700 Extra Heavy Duty Two Stage	VTS710A-510	0780-0984	2-15	400	30	510	7/8" – 14 M LH	3000	24
ETS4 High Capacity Two Stage	ETS4-15-300	0781-5229	2-15	400	30	300	9/16" – 18 M LH	3000	29
ETS4 High Capacity Two Stage	ETS4-15-510	0781-5230	2-15	400	30	510	9/16" – 18 M LH	3000	29
ETS4 High Capacity Two Stage	ETS4-15-993	07815-2122	2-15	400	30	993	9/16" – 18 M LH	3000	29
VTS 250 Medium Duty Two Stage	VTS260A-300	0781-3583	2-15	400	30	300	9/16" – 18 M LH	3000	25
VTS 250 Medium Duty Two Stage	VTS260A-510	0781-3484	2-15	400	30	300	9/16" – 18 M LH	3000	25
ESL4 High Capacity Line	ESL4-15-250A	0781-5208	2-15	--	30	1/4" NPT F	1/4" NPT F	350	29
EST4 High Capacity Station	EST4-15-025	0781-5194	2-15	--	30	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-15-025R	0781-5209	2-15	--	30	025	9/16" – 18 M LH	200	29
L700 High Flow Line	L710A-500	0780-1233	2-15	--	30	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L710A-750	0780-1201	2-15	--	30	3/4" NPT F	3/4" NPT F	350	30

Regulator Selection Guide - By Gas Service

Air

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS4 High Capacity Single Stage	ESS4-125-346	0781-5142	5-125	4000	200	346	5/8" – 18 F LH	3000	21
ESS4 High Capacity Single Stage	ESS4-200-346	0781-5145	10-200	4000	400	346	5/8" – 18 F LH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-125-346	0781-5115	5-125	4000	200	346	5/8" – 18 F LH	3000	21
SR 450 Heavy Duty Single Stage	SR450D-346	0781-0532	5-125	4000	200	346	5/8" – 18 F LH	3000	22
ETS4 High Capacity Two Stage	ETS4-125-346	0781-5231	5-125	4000	200	346	5/8" – 18 F LH	3000	29
ETS4 High Capacity Two Stage	ETS4-200-346	0781-5232	10-200	4000	400	346	5/8" – 18 F LH	3000	29
ETS4 High Capacity Two Stage	ETS4-125-590	0781-5224	5-125	4000	200	346	5/8" – 18 F LH	3000	29
VTS 250 Medium Duty Two Stage	VTS250C-346	0781-3510	4-80	4000	100	346	5/8" – 18 F LH	3000	25
VTS 250 Medium Duty Two Stage	VTS250D-346	0781-3512	5-125	4000	200	346	5/8" – 18 F LH	3000	25
SR 4 High Pressure	SR4F-347	0781-1403	50-750	6000	1000	347	1/4" Swagelok®	5500	26
SR 4 High Pressure	SR4G-346	0781-1422	100-1500	4000	2000	346	1/4" Swagelok	3000	26
SR 4 High Pressure	SR4J-346	0781-1442	200-3000	4000	4000	346	1/4" Swagelok	3000	26
SR 4 High Pressure	SR4K-347	0781-1463	300-4500	6000	6000	347	1/4" Swagelok	5500	26
SR 600 High Pressure	SR600-350-347	0781-1605	5-350	6000	600	347	1/4" Swagelok	5500	27
ESL4 High Capacity Line	ELS4-125-250	0781-5190	5-125	--	200	1/4" NPT F	1/4" NPT F	3000	29
L700 High Flow Line	L700C-500	0780-1229	4-80	--	100	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700C-750	0780-1220	4-80	--	100	3/4" NPT F	3/4" NPT F	350	30
L700 High Flow Line	L700D-500	0780-1207	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700D-500PMT	0780-1236	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700D-750	0780-1209	5-125	--	200	3/4" NPT F	3/4" NPT F	350	30
L700 High Flow Line	L700E-500	0780-1221	10-200	--	400	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700E-750	0780-1222	10-200	--	400	3/4" NPT F	3/4" NPT F	350	30
DL700 Dome Load	DL700	0780-1188	5-125	--	--	1/2" NPT F	1/2" NPT F	500	31

EDGE SERIES COLOR CODING BY GAS TYPE

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

Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
VictorTechnologies.com

Regulator Selection Guide - By Gas Service

Inert Gas - Nitrogen, Argon, Helium

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS7 High Capacity Single Stage	ESS7-125-580	0781-5182	5-125	4000	200	580	7/8" – 14 M RH	3000	20
ESS7 High Capacity Single Stage	ESS7-200-580	0781-5185	10-200	4000	400	580	7/8" – 14 M RH	3000	20
ESS4 High Capacity Single Stage	ESS4-125-580	0781-5143	5-125	4000	200	580	5/8" – 18 F RH	3000	21
ESS4 High Capacity Single Stage	ESS4-200-580	0781-5144	10-200	4000	400	580	5/8" – 18 F RH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-40-580	0781-5122	2-40	4000	60	580	5/8" – 18 F RH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-125-580	0781-5116	5-125	4000	200	580	5/8" – 18 F RH	3000	21
SR 450 Heavy Duty Single Stage	SR450D-580	0781-0528	5-125	4000	200	580	5/8" – 18 F RH	3000	22
SR 450 Heavy Duty Single Stage	SR450E-580	0781-0543	10-200	4000	400	580	5/8" – 18 F RH	3000	22
VTS Extra Heavy Duty Two Stage	VTS700D-580	0780-0928	5-125	4000	200	580	7/8" – 14 M RH	3000	24
VTS Extra Heavy Duty Two Stage	VTS700E-580	0780-0943	10-200	4000	400	580	7/8" – 14 M RH	3000	24
ETS4 High Capacity Two Stage	ETS4-40-580	0781-5221	2-40	4000	60	580	5/8" – 18 F RH	3000	29
ETS4 High Capacity Two Stage	ETS4-125-580	0781-5222	5-125	4000	200	580	5/8" – 18 F RH	3000	29
ETS4 High Capacity Two Stage	ETS4-200-580	0781-5223	10-200	4000	400	580	5/8" – 18 F RH	3000	29
VTS 250 Medium Duty Two Stage	VTS250A-580	0781-3507	2-15	4000	30	580	5/8" – 18 F RH	3000	25
VTS 250Medium Duty Two Stage	VTS250B-580	0781-3508	2-40	4000	60	580	5/8" – 18 F RH	3000	25
VTS 250 Medium Duty Two Stage	VTS250C-580	0781-3509	4-80	4000	100	580	5/8" – 18 F RH	3000	25
VTS 250 Medium Duty Two Stage	VTS250D-580	0781-3513	5-125	4000	200	580	5/8" – 18 F RH	3000	25
SR 4 High Pressure	SR4F-580	0781-1408	50-750	4000	1000	580	1/4" Swagelok®	3000	26
SR 4 High Pressure	SR4F-680	0781-1410	50-750	6000	1000	680	1/4" Swagelok	5500	26
SR 4 High Pressure	SR4G-580	0781-1428	100-1500	4000	2000	580	1/4" Swagelok	3000	26
SR 4 High Pressure	SR4G-680	0781-1430	100-1500	6000	2000	680	1/4" Swagelok	5500	26
SR 4 High Pressure	SR4J-580	0781-1448	200-3000	4000	4000	580	1/4" Swagelok	3000	26
SR 4 High Pressure	SR4J-680	0781-1450	200-3000	6000	4000	680	1/4" Swagelok	5500	26
SR 4 High Pressure	SR4J-677	0781-1453	200-3000	7500	4000	677	1/4" Swagelok	7500	26
SR 4 High Pressure	SR4K-680	0781-1470	300-4500	6000	6000	680	1/4" Swagelok	5500	26
SR 4 High Pressure	SR4K-677	0781-1473	300-4500	7500	6000	677	1/4" Swagelok	7500	26
SR 600 High Pressure	SR600-350-580	0781-1601	5-350	6000	600	580	1/4" Swagelok	5500	27
SR 600 High Pressure	SR600-350-680	0781-1604	5-350	6000	600	680	1/4" Swagelok	5500	27
SR 600 High Pressure	SR600-550-580	0781-1611	5-550	6000	1000	580	1/4" Swagelok	3000	27
ELC4 High Capacity Liquid Cylinder	ELC4-125-580R	0781-5200	5-125	--	200	580	CGA 032 5/8" – 18 UNF	3000	28
ELC4 High Capacity Liquid Cylinder	ELC4-325-580R	0781-5202	5-325	--	400	580	CGA 032 5/8" – 18 UNF	3000	28
EST4 High Capacity Station	EST4-125-034	0781-5189	5-125	--	200	034	CGA 032 5/8" – 18 UNF	200	29
EST4 High Capacity Station	EST4-125-034R	0781-5207	5-125	--	200	034	CGA 032 5/8" – 18 UNF	200	29
L700 High Flow Line	L700C-500	0780-1229	4-80	--	100	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700C-750	0780-1220	4-80	--	100	3/4" NPT F	3/4" NPT F	350	30
L700 High Flow Line	L700D-500	0780-1207	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700D-500PMT	0780-1236	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700D-750	0780-1209		--	200	3/4" NPT F	3/4" NPT F	350	30
L700 High Flow Line	L700E-500	0780-1221	10-200	--	400	1/2" NPT F	1/2" NPT F	350	30
L700 High Flow Line	L700E-750	0780-1222	10-200	--	400	3/4" NPT F	3/4" NPT F	350	30
DL700 Dome Load	DL700	0780-1188	5-125	--	--	1/2" NPT F	1/2" NPT F	500	31
BSL Bulk System Line	BSL700	0780-1200	10-200	--	--	1/2" NPT F	1/2" NPT F	350	31

Regulator Selection Guide - By Gas Service

Inert Gas - Nitrogen, Argon, Helium (continued)

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS3-FG Flow Gauge	ESS3-FG-580	0781-5120	0-40 psig	4000	50 CFH	580	CGA 032 5/8" – 18 UNF	3000	32
SLR 100 Surge Limiting Regulator	SLR100	0781-1197		--	--	030		200	34
FM150 Flow Meter Heavy Duty	FM150	1000-0268	10-60 Air* 10-30 Nit*	--	--	1/4" NPT M	5/8"-18 RH F	25	35
FM135 Flow Meter Heavy Duty	FM135	1000-0255	4-18 Argon* 10-50 Helium*	--	--	9/16"-18 RH F	5/8"-18 RH F	25	35
FM145 Flow Meter Heavy Duty	FM145	1000-0256	4-18 Argon* 10-50 Helium*	--	--	5/8" RH M	5/8"-18 RH F	25	35
FM155 Flow Meter Heavy Duty	FM155	1000-0257	4-18 Argon* 10-50 Helium*	--	--	5/8" NPT M	5/8"-18 RH F	25	35
FM137 Flow Meter Heavy Duty	FM137	1000-0261	15-65 Argon* 40-200 Helium*	--	--	9/16"-18 RH F	5/8"-18 RH F	25	35
FM147 Flow Meter Heavy Duty	FM147	1000-0262	15-70 Argon* 40-200 Helium*	--	--	5/8"-18 RH M	5/8"-18 RH F	25	35
FM157 Flow Meter Heavy Duty	FM157	1000-0263	15-65 Argon* 40-200 Helium*	--	--	1/4" NPT M	5/8"-18 RH F	25	35
FM370 Flow Meter Heavy Duty	FM370	1000-0258	5-50 Argon* 20-150 Helium*	--	--	9/16"-18 RH F	5/8"-18 RH F	25	35
FM371 Flow Meter Heavy Duty	FM371	1000-0259	5-50 Argon* 20-150 Helium*	--	--	5/8"-18 RH M	5/8"-18 RH F	25	35
FM372 Flow Meter Heavy Duty	FM372	1000-0182	5-50 Argon* 20-150 Helium*	--	--	1/4" NPT M	5/8"-18 RH F	25	37
HRF 2425 Medium Duty Flow Meter Regulator	HRF2425	0781-2731	10-50 Argon* 20-150 Helium*	--	--	580	5/8"-18 RH F	3000	36
HRF2480 Medium Duty Flow Meter Regulator	HRF2480	0781-2728	7.5-37.5 Argon*	--	--	580	5/8"-18 RH F	3000	36
DFM 150 Medium Duty Flow Meter Regulator	DFM150-580	0781-1153	5-50 Argon* 20-150 Helium*	--	--	580	5/8"-18 RH F	3000	36
HSR Medium Duty Flow Meter Regulator Single Stage	HSR2530	0781-3819	10-60 Nitrogen*	--	--	580	5/8"-18 RH F	3000	37
HSR Medium Duty Flow Meter Regulator Single Stage	HSR2535	0781-3867	4-18 Argon* 10-50 Helium*	--	--	580	5/8"-18 RH F	3000	37
HVTS Medium Duty Flow Meter Regulator Two Stage	HVTS2535	0781-3775	4-18 Argon* 10-50 Helium*	--	--	580	5/8"-18 RH F	3000	37
HSR Medium Duty Flow Meter Regulator Single Stage	HSR2537	0781-3871	15-65 Argon* 40-200 Helium*	--	--	580	5/8"-18 RH F	3000	37
HVTS Medium Duty Flow Meter Regulator Two Stage	HVTS2537	0781-3772	15-65 Argon* 40-200 Helium*	--	--	580	5/8"-18 RH F	3000	37
HSR Medium Duty Flow Meter Regulator Single Stage	HSR2570	0781-3873	5-50*	--	--	580	5/8"-18 RH F	3000	37
HSR Medium Duty Flow Meter Regulator Single Stage	HSR2570	0781-3869	4-40*	--	--	580	5/8"-18 RH F	3000	37
HVTS Medium Duty Flow Meter Regulator Two Stage	HVTS2570	0781-3774	20-150*	--	--	580	5/8"-18 RH F	3000	37

Delivery range measured in CFH

EDGE SERIES COLOR CODING BY GAS TYPE

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

Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
VictorTechnologies.com

Regulator Selection Guide - By Gas Service

British Oxygen

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS7 High Capacity Single Stage	ESS7-200-992	0781-5220	10-200	4000	400	992	7/8" – 14 M RH	3000	20
ESS4 High Capacity Single Stage	ESS4-200-992	0781-5155	10-200	4000	400	992	9/16" – 18 M RH	3000	21
ESS4 High Capacity Single Stage	ESS4-125-992	0781-5128	5-125	4000	200	992	9/16" – 18 M RH	3000	21
ETS4 High Capacity Two Stage	ETS4-125-992	0785-2120	5-125	4000	200	992	9/16" – 18 M RH	3000	25
ETS4 High Capacity Two Stage	ETS4-200-992	0785-2121	10-200	4000	400	992	9/16" – 18 M RH	3000	25
DL700 Dome Load	DL700	0780-1188	5-125	--	--	1/2" NPT F	1/2" NPT F	500	31

Methane/Hydrogen

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS7 High Capacity Single Stage	ESS7-200-350	0781-5186	10-200	4000	400	350	7/8" – 14 M RH	3000	20
ESS4 High Capacity Single Stage	ESS4-125-350	0781-5137	5-125	4000	200	350	9/16" – 18 M LH	3000	21
ESS4 High Capacity Single Stage	ESS4-200-350	0781-5138	10-200	4000	400	350	9/16" – 18 M LH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-40-350	0781-5110	2-40	4000	60	350	9/16" – 18 M LH	3000	21
ESS3 Medium Capacity Single Stage	ESS3-125-350	0781-5111	5-125	4000	200	350	9/16" – 18 M LH	3000	21
ETS4 High Capacity Two Stage	ETS4-40-350	0781-5225	2-40	4000	60	350	9/16" – 18 M LH	3000	25
VTS 250 Medium Duty Two Stage	VTS252A-350	0781-3558	2-15	4000	30	350	9/16" – 18 M LH	3000	25
VTS 250 Medium Duty Two Stage	VTS252B-350	0781-3559	2-40	4000	60	350	9/16" – 18 M LH	3000	25
VTS 250 Medium Duty Two Stage	VTS252C-350	0781-3563	4-80	4000	100	350	9/16" – 18 M LH	3000	25
VTS 250 Medium Duty Two Stage	VTS252D-350	0781-3564	5-125	4000	200	350	9/16" – 18 M LH	3000	25
SR 4 High Pressure Manifold	SR4F-350	0781-1404	50-750	4000	1000	350	1/4" Swagelok®	3000	26
SR 4 High Pressure Manifold	SR4G-350	0781-1424	100-1500	4000	2000	350	1/4" Swagelok	3000	26
SR 4 High Pressure Manifold	SR4J-350	0781-1444	200-3000	4000	4000	350	1/4" Swagelok	3000	26
ESL4 High Capacity Line	ESL4-80-250F	0781-5210	4-80	--	100	1/4" NPT F	1/4" NPT F	3000	29
ESL4 High Capacity Line	ESL4-125-250F	0781-5211	5-125	--	200	1/4" NPT F	1/4" NPT F	3000	29
EST4 High Capacity Station	EST4-80-025	0781-5195	4-80	--	100	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-80-025R	0781-5212	4-80	--	100	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-125-025	0781-5196	5-125	--	200	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-125-025R	0781-5213	5-125	--	200	025	9/16" – 18 M LH	200	29
L700 High Flow Line	L711D-500	0780-1199	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30
HSR Medium Duty Flow Meter Regulator Single Stage	HSR2533	0781-3825	5-40*	--	--	350	9/16" – 18 M LH	3000	37

Nitrous Oxide

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESL4 High Capacity Line	ESL4-125-250	0781-5190	5-125	--	200	1/4" NPT F	1/4" NPT F	3000	29
DL700 Dome Load	DL700	0780-1188	5-125	--	--	1/2" NPT F	1/2" NPT F	500	30

EDGE SERIES COLOR CODING BY GAS TYPE

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

Regulator Selection Guide - By Gas Service

Carbon Dioxide

Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS4 High Capacity Single Stage	ESS4-200-320	0781-5147	10-200	4000	400	320	CGA 032 5/8" – 18 UNF	3000	21
ESS3 Medium Capacity Single Stage	ESS3-125-320	0781-5121	5-125	4000	200	320	CGA 032 5/8" – 18 UNF	3000	21
ETS4 High Capacity Two Stage	ETS4-125-320	0781-5228	5-125	4000	200	320	CGA 032 5/8" – 18 UNF	3000	25
VTS 250 Medium Duty Two Stage	VTS253A-320	0781-3569	2-15	4000	30	320	CGA 032 5/8" – 18 UNF	3000	25
VTS 250 Medium Duty Two Stage	VTS253B-320	0781-3573	2-40	4000	60	320	CGA 032 5/8" – 18 UNF	3000	25
VTS 250 Medium Duty Two Stage	VTS253C-320	0781-3574	4-80	4000	100	320	CGA 032 5/8" – 18 UNF	3000	25
VTS 250 Medium Duty Two Stage	VTS253D-320	0781-3575	5-125	4000	200	320	CGA 032 5/8" – 18 UNF	3000	25
SR 4 High Pressure Manifold	SR4F-320	0781-1401	50-750	4000	1000	320	CGA 032 5/8" – 18 UNF	3000	26
ELC4 High Capacity Liquid Cylinder	ELC4-125-320R	0781-5201	5-125	--	200	320	CGA 032 5/8" – 18 UNF	3000	28
ESL4 High Capacity Line	ESL4-125-250	0781-5190	5-125	--	200	1/4" NPT F	1/4" NPT F	3000	29
DL700 Dome Load	DL700	0780-1188	5-125	--	--	1/2" NPT F	1/2" NPT F	500	30
ESS3-FG Flow Gauge	ESS3-FG-320	0781-5119	0-40*	4000	50 CFH	320	CGA 032 5/8" – 18 UNF	3000	32
SR310 Regulator Adjustable Pressure	SR310	0781-0355	10-150*	1500	200	320	CGA 032 5/8" – 18 UNF	1500	33
SR311 Flow Meter	SR311	0781-0353	25-100*	1500	--	320	CGA 032 5/8" – 18 UNF	1500	33
SR312 Flow Gauge	SR312	0781-0354	0-100*	--	--	320	CGA 032 5/8" – 18 UNF	1500	33
FM200 Heavy Duty Flow Meter	FM200	1000-0264	30-100*	--	--	1/4" NPT M	5/8"-18RH M	30	35
FM370 Flow Meter Heavy Duty	FM370	1000-0258	5-40*	--	--	9/16"-18 RH F	5/8"-18 RH F	25	35
FM371 Flow Meter Heavy Duty	FM371	1000-0259	5-40*	--	--	5/8"-18 RH M	5/8"-18 RH F	25	35
FM372 Flow Meter Heavy Duty	FM372	1000-0182	5-40*	--	--	1/4" NPT M	5/8"-18 RH F	25	35
HRF2480 Medium Duty Flow Meter Regulator	HRF2480	0781-2727	10-38*	--	--	320	5/8"-18 RH F	3000	36
HRF2480 Medium Duty Flow Meter Regulator	HRF2480	0781-2728	7.5-37.5*	--	--	320	5/8"-18 RH F	3000	36
DMF150 Medium Duty Flow Meter Regulator	DFM150S	0781-1206	5-40*	--	--	1/4" NPT M	5/8"-18 RH F	3000	36
HSR Medium Duty Flow Meter Regulator	HSR2530	0781-3819	10-60*	--	--	580	5/8"-18 RH F	3000	37

**Delivery Range measured in CFH*

L.P. Gas

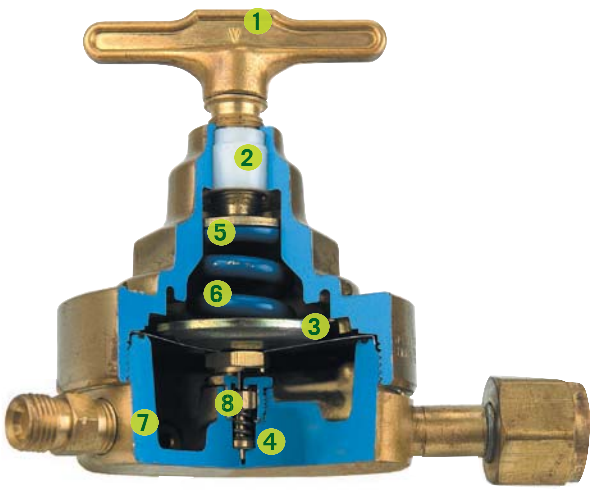
Description	Model	Part Number	Delivery Range (psig)	Gauge Range Inlet	Gauge Range Outlet	CGA Inlet Connection	Outlet Connection	Max Inlet Pressure (psig)	Page Number
ESS7 High Capacity Single Stage	ESS7-125-510LP	0781-5188	5-125	400	200	510	7/8" – 14 M LH	350	20
ESS4 High Capacity Single Stage	ESS4-40-510LP	0781-5135	2-40	400	60	510	9/16" – 18 M LH	350	21
ESS4 High Capacity Single Stage	ESS4-125-510LP	0781-5136	5-125	400	200	510	9/16" – 18 M LH	350	21
ESS3 Medium Capacity Single Stage	ESS3-40-510LP	0781-5108	2-40	400	60	510	9/16" – 18 M LH	350	21
ESS3 Medium Capacity Single Stage	ESS3-125-510LP	0781-5109	5-125	400	200	510	9/16" – 18 M LH	350	21
SR450 Heavy Duty Single Stage	SR461B-510	0781-0589	2-40	400	60	510	9/16" – 18 M LH	350	22
SR450 Heavy Duty Single Stage	SR461D-510	0781-0595	5-125	400	200	510	9/16" – 18 M LH	350	22
SR 250 Medium Duty Single Stage	SR261B-510	0781-0095	2-40	400	60	510	9/16" – 18 M LH	350	23
SR 250 Medium Duty Single Stage	SR261C-510	0781-0098	4-80	400	100	510	9/16" – 18 M LH	350	23
VTS 250 Medium Duty Two Stage	VTS261B-510	0781-3594	2-40	400	60	510	9/16" – 18 M LH	350	25
VTS 250 Medium Duty Two Stage	VTS250BL-555	0781-3525	2-40	400	60	510	9/16" – 18 M LH	350	25
ESL4 High Capacity Line	ESL4-80-250F	0781-5210	4-80	--	100	1/4" NPT F	1/4" NPT F	3000	29
ESL4 High Capacity Line	ESL4-125-250F	0781-5211	5-125	--	200	1/4" NPT F	1/4" NPT F	3000	29
EST4 High Capacity Station	EST4-80-025	0781-5195	4-80	--	100	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-80-025R	0781-5212	4-80	--	100	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-125-025	0781-5196	5-125	--	20	025	9/16" – 18 M LH	200	29
EST4 High Capacity Station	EST4-125-025R	0781-5213	5-125	--	200	025	9/16" – 18 M LH	200	29
L700 High Flow Line	L711D-500	0780-1199	5-125	--	200	1/2" NPT F	1/2" NPT F	350	30

REGULATORS

Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
VictorTechnologies.com

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

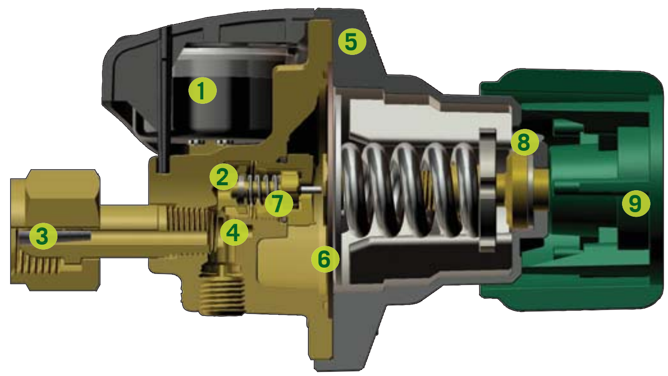
Additional Features

- 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 diaphgram 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

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

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

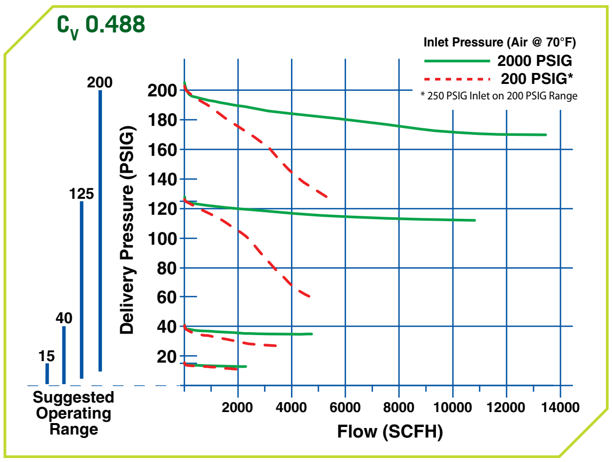
High Flow

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 settting 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

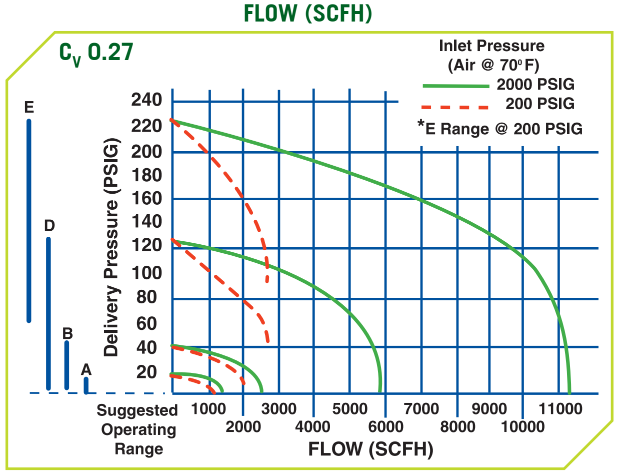
DIMENSIONS
7.25 W x 7" H x 5.13" D
(184.2 mm x 177.8 mm x 130.3 mm)

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

REGULATORS

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

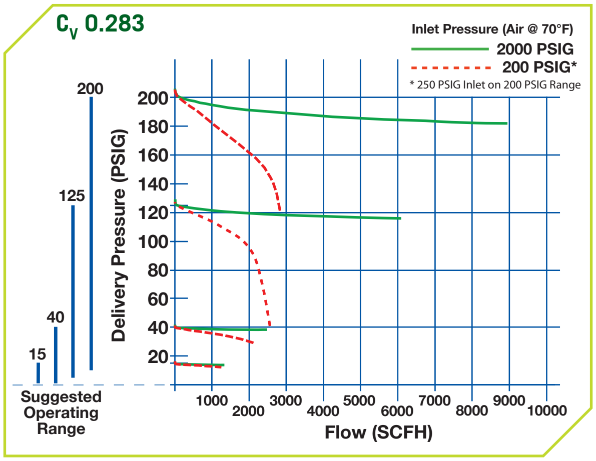
DIMENSIONS

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)

ESS4 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
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

ESS3

Medium Capacity

DESIGN/CONSTRUCTION

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

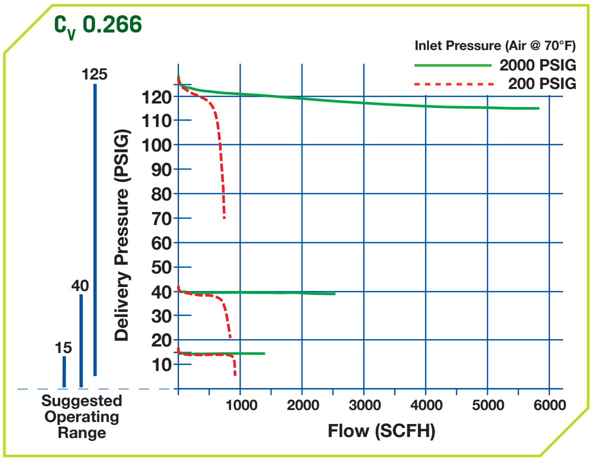
DIMENSIONS

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)

ESS3 FLOW DATA



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

SINGLE IMPACT POINT

SHOCK ABSORBING KNOB

SR 350

Heavy/Medium Duty

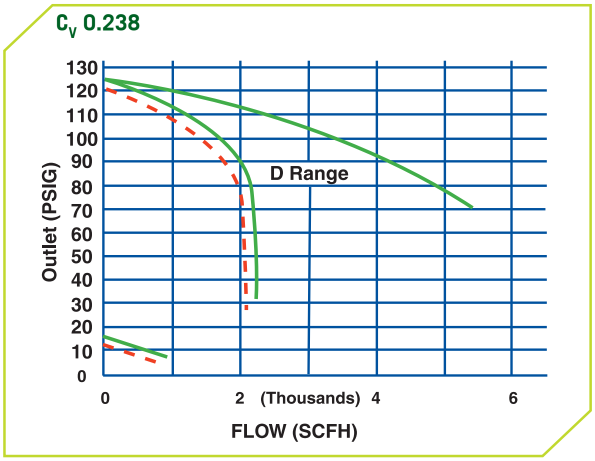
DESIGN/CONSTRUCTION
- 2.5" (63.5 mm) gauges – brass
- 2.75" (69.9 mm diaphragm – fabric reinforced neoprene

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		

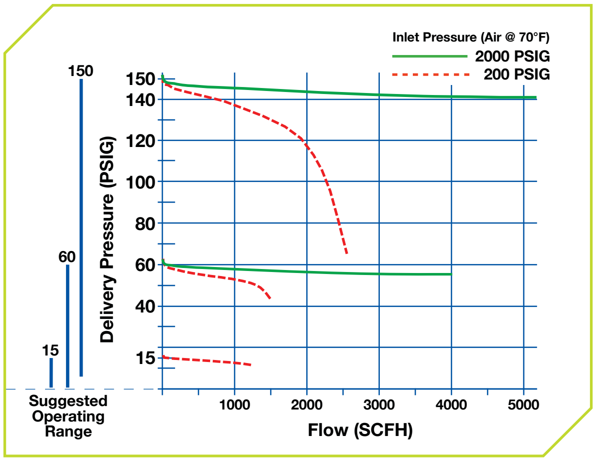
G350

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=35ejr42XFnM

REGULATORS

Regulators

SINGLE STAGE

G250

Medium Duty

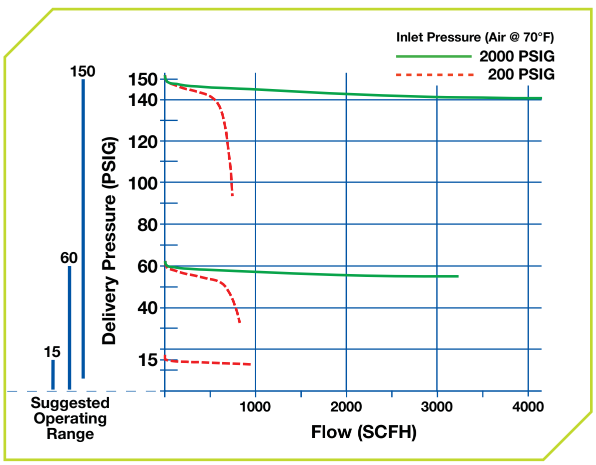
DESIGN/CONSTRUCTION

- 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
Acetylene	0781-9405	G250-15-510	15
	0781-9406	G250-15-300	15
LP	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)

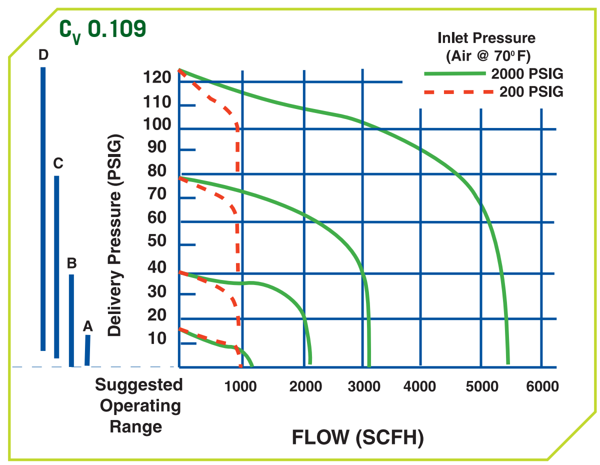
WEIGHT

2 lb 15 oz (1.33 kg)

PERFORMANCE

Maximum inlet – 3000 psig

SR250 FLOW DATA



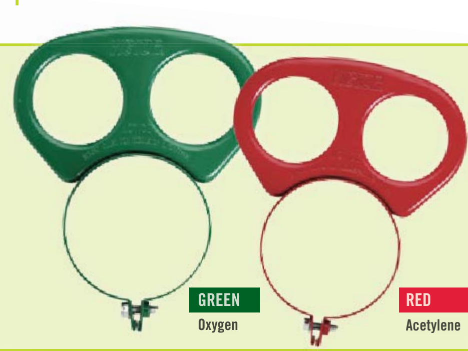
Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-0027	SR 250C-540	4-80
	0781-0043	SR 250D-540	5-125
Acetylene	0781-0085	SR 260A-300	2-15
	0781-0087	SR 260A-510	2-15
	0387-0115	SR 260A-510 CS	2-15
L.P. Gas	0781-0095	SR 261B-510	2-40
	0781-0098	SR 261C-510	4-80

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

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)

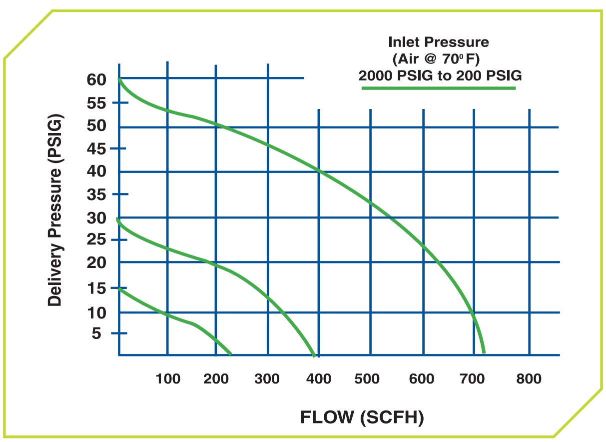
WEIGHT

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_2, 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_2 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_2

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_2 mix & CO_2 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_2

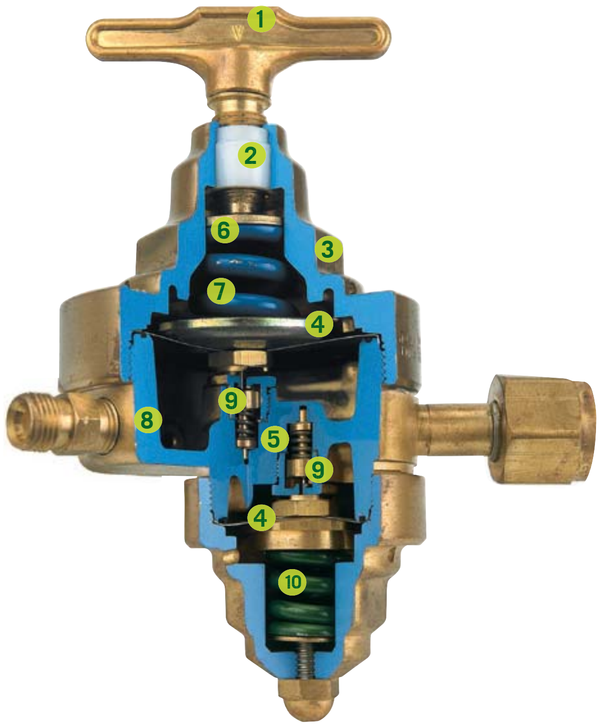
Part No.	Model No.
0781-1103	AF 150-580 CS (With 10' (3.1m) hose)
0387-0245	AF 150-580 CS
0781-1120	CF 153-320
0781-1123	CF 153-320 CS (With 10' (3.1 m) hose)

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

Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
VictorTechnologies.com

Two Stage Regulators

Recommended for applications that require a constant delivery pressure over a range of decreasing inlet pressures. This precise two stage regulator provides superior operating characteristics for applications where change in delivery pressure would affect performance characteristics of work or test results.



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

1. Brass Adjusting Screw with forged T-handle (VTS 700 only)
2. Delrin Insert Bushing for durability, easier adjusting
3. Die-Forged Brass Spring Housing Cap provides greater strength and durability
4. Stainless Steel Diaphragm gives accurate long lasting service
5. Stem-Type Seat Mechanism inlet pressure aids in sealing
6. Stainless Ball in Key for easy adjustment
7. Adjusting Spring pretested for quality assurance
8. Die-Forged Brass Body for extra strength
9. Precision Machined Nozzle for optimum flow control
10. Adjusting Spring designed for precise preset

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

VTS 700

Extra Heavy Duty, Two-Stage, High Flow

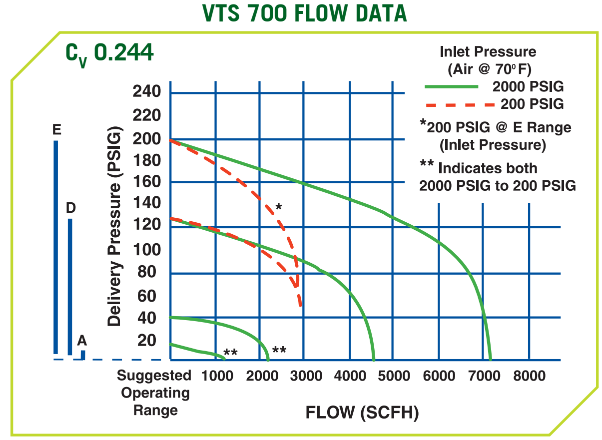
DESIGN/CONSTRUCTION
- 2.5" (63.5 mm) gauges – steel
- Diaphragms – 2" (50.8 mm) and 3.25" (82.6 mm) – stainless steel

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

WEIGHT
8 lb 8 oz (3.86 kg)

PERFORMANCE
Maximum inlet – 3000 psig

VTS 700 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen, Inert Gas	0780-0928	VTS 700D-580	5-125
	0780-0939	VTS 700E-540	10-200
	0780-0943	VTS 700E-580	10-200
Acetylene	0780-0984	VTS 710A-510	2-15
Outlet Connections: 7/8"-14(M)			

ETS4 Series

High Capacity, Two-Stage Design

Compact two-stage performance in a single-stage footprint

DESIGN/CONSTRUCTION

- Forged brass body
- Zinc-aluminum housing caps
- High impact ABS gauge guard
- 1.5" UL listed/recognized Gauges – brass
- Stem type seat mechanism: urethane seat material – air, oxygen, inerts, CO_2, N_2O, other high pressure gases; neoprene seat material – low pressure fuel gases
- 2.7" fabric reinforced neoprene diaphragm in 2nd stage, 0.75" diameter brass piston in 1st stage
- 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 – nickel plated bronze
- SLAM™ impact absorbing safety knob
- Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test

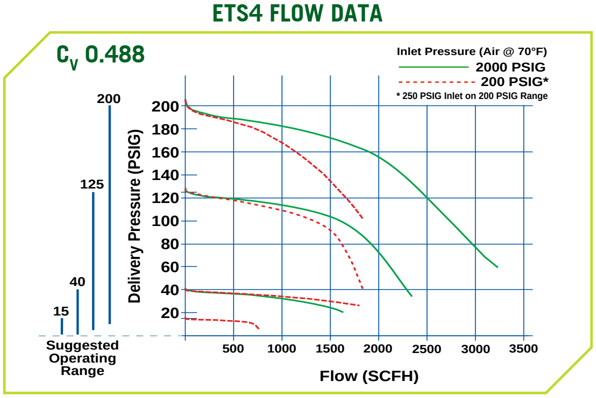
DIMENSIONS

6.85" W x 4.4" H x 4.72" D (174.0 mm x 111.8 mm x 119.9 mm)

WEIGHT

4 lb 12 oz (2.15 kg)

ETS4 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Air, Oxygen, Inert Gas	0781-5231	ETS4-125-346	5-125
	0781-5232	ETS4-200-346	10-200
	0781-5217	ETS4-40-540	2-40
	0781-5218	ETS4-125-540	5-125
	0781-5219	ETS4-200-540	10-200
	0781-5221	ETS4-40-580	20-40
	0781-5222	ETS4-125-580	5-125
	0781-5223	ETS4-200-580	10-200
Industrial Air	0781-5224	ETS4-125-590	5-125
British Oxygen/Fuel	0785-2120	ETS4-125-992	5-125
	0785-2121	ETS4-200-992	10-200
	0785-2122	ETS4-15-993	2-15
Hydrogen/Methane	0781-5225	ETS4-40-350	2-40
	0781-5226	ETS4-125-350	5-125
	0781-5227	ETS4-200-350	10-200
Carbon Dioxide	0781-5228	ETS4-125-320	5-125
Acetylene	0781-5229	ETS4-15-300	2-15
	0781-5230	ETS4-15-510	2-15

GT350

Heavy Duty, Two-Stage Design

DESIGN/CONSTRUCTION

- 2" (50.8 mm) gauges – steel
- Diaphragm –
  1.33" (33.8 mm) first stage
  2.69" (68.3 mm) second stage
  fabric reinforced neoprene

DIMENSIONS

6.79" W x 5.31" H x 6.80" D (172.5 mm x 134.9 mm x 172.7 mm)

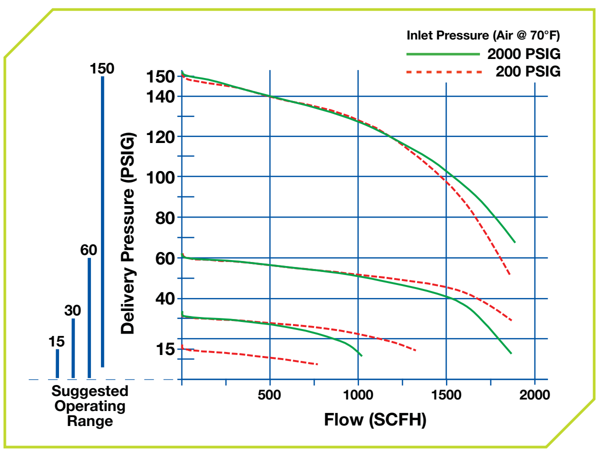
WEIGHT

3 lb 12 oz (1.70 kg)

PERFORMANCE

Maximum inlet – 3000 psig

GT350 TWO STAGE FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Air, Oxygen, Inert Gas	0781-4255	GT350-150-346	5-150
	0781-4260	GT350-60-540	2-60
	0781-4261	GT350-150-540	5-150
	0781-4263	GT350-30-580	2-30
	0781-4264	GT350-60-580	2-60
	0781-4265	GT350-150-580	5-150
British Oxygen/Fuel	0781-4269	GT350-150-992	5-150
	0781-4270	GT350-15-993	2-15
Hydrogen/Methane	0781-4256	GT350-60-350	2-60
	0781-4257	GT350-150-350	5-150
Carbon Dioxide	0781-4253	GT350-60-320	2-60
	0781-4254	GT350-150-320	5-150
Acetylene	0781-4252	GT350-15-300	2-15
	0781-4258	GT350-15-510	2-15
L.P. Gas	0781-4259	GT350-60-510LP	2-60

SR 4

High Pressure

Heavy duty, high pressure piston regulator. Ideally suited for pressure vessel and dead-end testing. Delivery pressures up to 4500 psig on some models.

DESIGN/CONSTRUCTION
- Machined brass body & housing cap
- 2.5" (63.5 mm) gauges – brass
- Cartridge type seat assembly with PCTFE seat
- Piston type actuation – brass
- Delrin cap bushing for smooth adjustments
- External adjustable relief valves on F and G range models
- Hydrogen models have ventable relief valves (J Series does not)
- Sintered inlet filter – bronze

DIMENSIONS
6" W x 6.5" H x 6.25" D (152.4 mm x 165.1 mm x 158.8 mm)

WEIGHT
4 lb (1.81 kg)

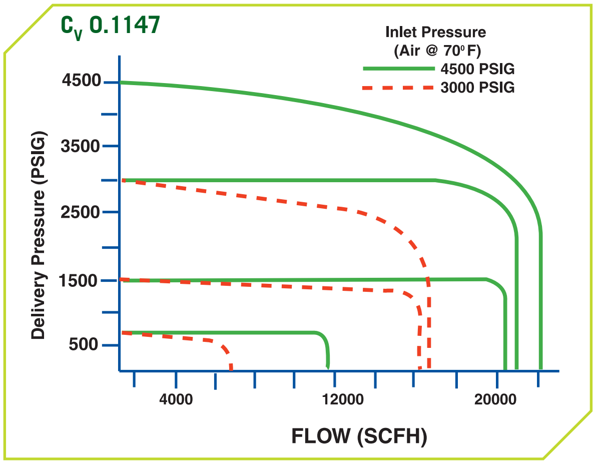
PERFORMANCE
- Maximum Inlet
  - 7500 psig with CGA 677
  - 6000 psig without inlet fitting
  - 5500 psig with CGA 701, 680, 347
  - 4000 psig with CGA 577
  - 3000 psig with CGA 540, 580, 346, 350

PANEL MOUNTING DETAILS
- All SR 4 Series regulator models may be panel mounted.
- (1.75" (44.5 mm) hole required in panel for mounting)
- For a flush panel mount installation order one panel mount nut 1409-0093. For an adjustable panel mount installation order two panel mount nuts 1409-0093.

Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-1405	SR 4F-540	50-750
	0781-1425	SR 4G-540	100-1500
	0781-1445	SR 4J-540	200-3000
Inert Gas	0781-1408	SR 4F-580	50-750
	0781-1410	SR 4F-680	50-750
	0781-1428	SR 4G-580	100-1500
	0781-1430	SR 4G-680	100-1500
	0781-1448	SR 4J-580	200-3000
	0781-1450	SR 4J-680	200-3000
	0781-1453	SR 4J-677	200-3000
	0781-1470	SR 4K-680	300-4500
	0781-1473	SR 4K-677	300-4500
Air	0781-1403	SR 4F-347	50-750
	0781-1422	SR 4G-346	100-1500
	0781-1442	SR 4J-346	200-3000
	0781-1463	SR 4K-347	300-4500
Methane, Hydrogen	0781-1404	SR 4F-350	50-750
	0781-1424	SR 4G-350	100-1500
	0781-1444	SR 4J-350	200-3000
CO_2	0781-1401	SR 4F-320	50-750
Panel Mount 1/4" NPT Inlet	0781-1415	*SR 4PF-250	50-750
	0781-1420	*SR 4PG-250	100-1500
	0781-1455	*SR 4PJ-250	200-3000
	0781-1475	+SR 4PK-250	300-4500
Manifold High Pressure	0781-1454	SR 4TJ-996	200-3000

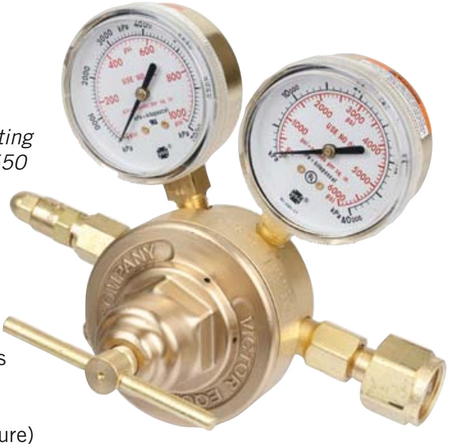
Inlet: *1/4" NPT(F)
Outlet Fitting: 1/4" Swagelok type stainless steel.
+5/8"-20 UNF(M) inlet 1/8" NPT(F) outlet

SR 4 FLOW DATA



SR 600

Heavy Duty



Single stage regulator designed for pressure testing and ideal where 350 or 550 psig (maximum) delivery pressures are needed, such as dead-end testing

DESIGN/CONSTRUCTION

- Forged brass body & housing cap
- 2.5" (63.5 mm) gauges – brass (6000 lb high pressure, 600 lb and 1000 lb low pressure)
- Cartridge type seat assembly with PCTFE seat
- Diaphragm –-stainless steel
- External self-reseating relief valve
- CGA 540, 580, 346 have a maximum inlet pressure of 3000 psig

DIMENSIONS

7.5" W x 6" H x 5" D (190.5 mm x 152.4 mm x 127.0 mm)

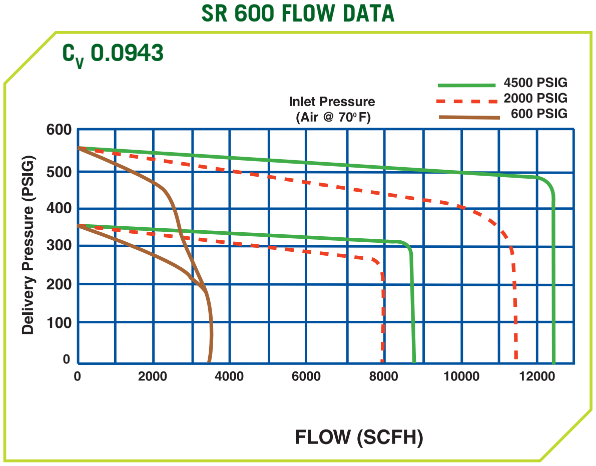
WEIGHT

5 lb 7 oz (2.47 kg)

PERFORMANCE

- Maximum inlet – 5500 psig
- Outlet pressure ranges – 350 and 550 psig
- Inlet port – 5/8"-20 UNF(M)
- Outlet fitting – 1/4" Swagelok-brass
- Temperature operating range – 0-140°F

SR 600 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)
Inert Gas	0781-1601	SR 600-350-580	5-350
High Pressure Inert Gas	0781-1604	SR 600-350-680	5-350
High Pressure Air	0781-1605	SR 600-350-347	5-350
Oxygen	0781-1610	SR 600-550-540	5-550
Inert Gas	0781-1611	SR 600-550-580	5-550

Manifold Regulators

Heavy Duty

- Wide range of flow capabilities
- Wide range of pressure delivery
- Single and two stage models available

Gas Service	Part No.	Model No.	Delivery Range (psig)
HIGH PRESSURE DELIVERY, PISTON			
Air, Oxygen, Inert Gas, Hydrogen	0781-1457	SR 4MF-996	50-750
	0781-1437	SR 4MG-996	100-1500
	0781-1458	SR 4MJ-996	200-3000
	0781-1436	SR 4MF-997	50-750
	0781-1438	SR 4MG-997	100-1500
	0781-1456	SR 4MJ-997	200-3000
SINGLE STAGE			
Air, Oxygen, Inert Gas	0781-0611	SR 450MD-996	5-125
	0781-0612	SR 450ME-996	10-200
Methane, Hydrogen	0781-0613	SR 452MD-997	5-125
CO_2	0781-0615	SR 453MD-996	5-125
Acetylene	0781-0617	SR 460MA-997	2-15
L.P. Gas	0781-0618	SR 461MB-997	2-40
	0781-0619	SR 461MD-997	5-125
EXTRA HIGH FLOW, SINGLE STAGE			
Air, Oxygen, Inert Gas	0780-0797	SR 700MD-996	5-125
	0780-0798	SR 700ME-996	10-200
	0780-0809	SR 700MD-500	5-125
Methane, Hydrogen	0780-0803	SR 702ME-997	10-200
CO_2	0780-0804	SR 703MD-996	5-125
	0780-0805	SR 703ME-996	10-200
Acetylene	0780-0806	SR 710MA-997	2-15
L.P. Gas	0780-0807	SR 711MB-997	2-40
TWO STAGE			
Methane, Hydrogen	0781-3961	VTS 452MD-997	5-125
	0781-3962	VTS 452ME-997	10-200
TWO STAGE, HIGH FLOW			
Air, Oxygen, Inert Gas	0780-0997	VTS 700MD-996	5-125
	0780-0998	VTS 700ME-996	10-200
CO_2	0780-1004	VTS 703MD-996	5-125
	0780-1005	VTS 703ME-996	10-200
Acetylene	0780-1006	VTS 710MA-997	2-15
L.P. Gas	0780-1007	VTS 711MB-997	2-40

Inlet Connection: 1"-11.5 NPS(M)
Outlet Connections: 1"-11.5 NPS(F)

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. All EDGE Series Regulators are easy to use, durable and compact, designed for performance and unmatched for safety.

Additional Features

- 4 port forged brass body
- High strength zinc-aluminum housing cap
- 2.5” gauge with updated artwork
- Color-coded SLAM™ impact absorbing safety knob
- Meets or exceeds CGA E-4
- ETL listed to UL 252

EDGE ELC4 – Liquid Regulator Series

The ELC4 Series brings the innovative features of the EDGE regulator to liquid cylinder use. This regulator is optimally designed to work with the vaporized gas from a liquid vessel.

EDGE ESL4 Pipeline – Line Regulator Series

Designed for gas distribution/pipeline systems, the ESL4 line regulator improves upon previous Victor® regulators with added EDGE benefits including the ergonomic, color coded adjusting knob and updated gauges.

EDGE EST4 Pipeline – Station Regulator Series

Ideal for weld station use and other gas distribution applications, the EST4 station regulator is fitted with the appropriate station style CGA connections for use with oxygen, inert or fuel gases. Along with the color coded adjusting knob and new gauges, this regulator not only improves productivity but looks good doing it.

RED	GREEN	BLACK	GRAY
Acetylene, LPG, NG, Hydrogen, Methane	Oxygen	Inert Gas	Carbon Dioxide

ELC4

Liquid Cylinder

DESIGN/CONSTRUCTION

- Stainless diaphragm
- Rear entry design

DIMENSIONS

3.8" W x 7.1" H X 8.2" L
(96.5 mm x 180.3 mm x 208.3 mm)

WEIGHT

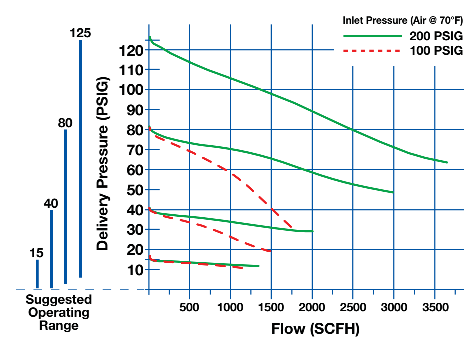
4 lbs 5 oz (1.95 kg)

PERFORMANCE

Maximum inlet –
3000 psig

ELC4 FLOW DATA - *EDGE Series-Liquid Cylinder*

C_V 0.488



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-5199	ELC4-125-540R	5-125
Inert (Nitrogen,	0781-5200	ELC4-125-580R	5-125
Argon, Helium)	0781-5202	ELC4-325-580R	5-325
Carbon Dioxide	0781-5201	ELC4-125-320R	5-125

ESL4
Line Regulator

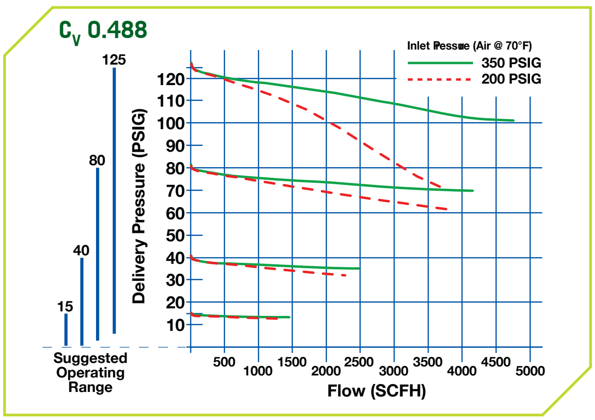
DESIGN/CONSTRUCTION
- Versatile – supports a variety of inlet pressures (up to 3000 psig)

DIMENSIONS
3.8" W x 7.1" H X 8.2" L
(96.5 mm x 180.3 mm x 208.3 mm)

WEIGHT
4 lbs 5 oz (1.95 kg)

PERFORMANCE
Maximum inlet – 3000 psig

ESL4 FLOW DATA - *EDGE Series-Line*



Gas Service	Part No.	Model No.	Delivery Range (psig)
Air, Inert Gas, Carbon Dioxide, Nitrous Oxide	0781-5190	ESL4-125-250	5-125
Oxygen	0781-5214	ESL4-125-250X	5-125
Hydrogen, Methane, Natural Gas, L.P. Gas	0781-5210	ESL4-80-250F	4-80
	0781-5211	ESL4-125-250F	5-125
Acetylene	0781-5208	ESL4-15-250A	2-15

EST4
Station Regulator

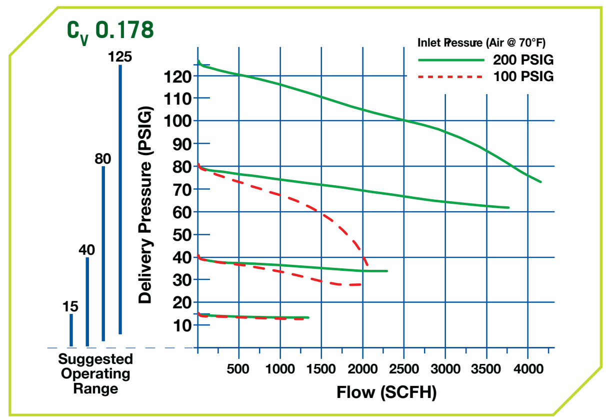
DESIGN/CONSTRUCTION
- Side entry and rear entry inlet versions available

DIMENSIONS
3.8" W x 7.1" H X 8.2" L
(96.5 mm x 180.3 mm x 208.3 mm)

WEIGHT
4 lbs 5 oz (1.95 kg)

PERFORMANCE
Maximum inlet – 200 psig

EST4 FLOW DATA - *EDGE Series-Station*



Gas Service	Part No.	Model No.	Delivery Range (psig)
Oxygen	0781-5191	EST4-40-024	2-40
	0781-5204	EST4-40-024R	2-40
	0781-5192	EST4-80-024	4-80
	0781-5205	EST4-80-024R	4-80
	0781-5193	EST4-125-024	5-125
	0781-5206	EST4-125-024R	5-125
Inert (Nitrogen, Argon, Helium)	0781-5189	EST4-125-034	5-125
	0781-5207	EST4-125-034R	5-125
Acetylene	0781-5194	EST4-15-025	2-15
	0781-5209	EST4-15-025R	2-15
Hydrogen, Methane, Natural Gas, L.P. Gas	0781-5195	EST4-80-025	4-80
	0781-5212	EST4-80-025R	4-80
	0781-5196	EST4-125-025	5-125
	0781-5213	EST4-125-025R	5-125

REGULATORS

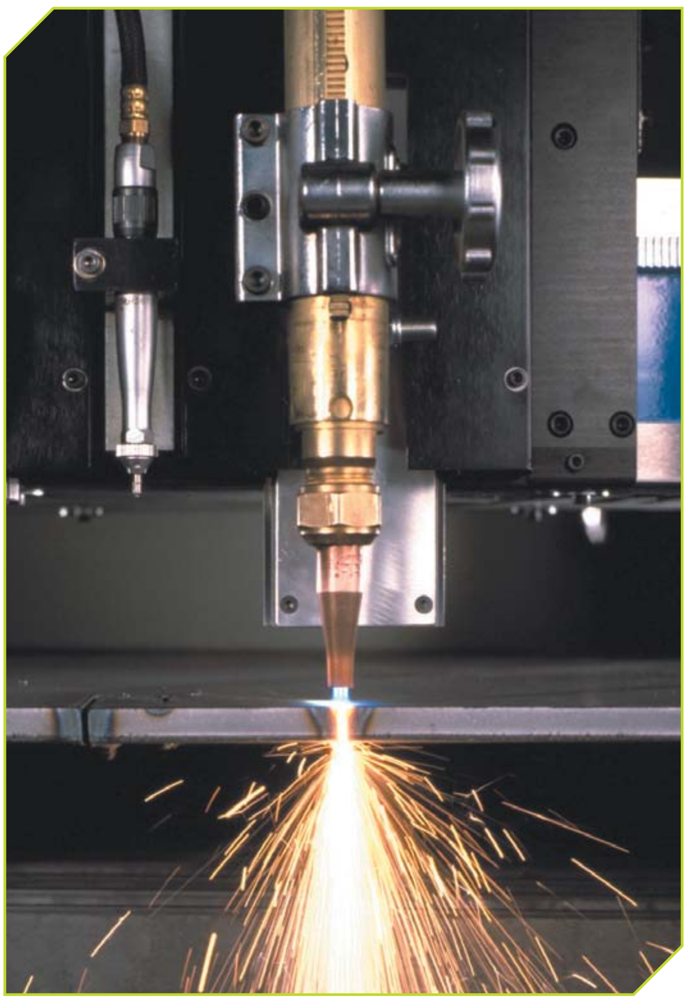
Int'l Customer Care: 1-940-381-1212 / FAX 1-940-483-8178
VictorTechnologies.com

Pipeline Devices

L 700 High Flow Line
DL 700 Dome Load Line
BSL 7000 Bulk System Line

Victor offers high performance products for non-cylinder applications such as automated cutting, bulk gas system delivery and other pipeline applications where high flow and maintaining consistent delivery pressure is critical.

NOT DESIGNED FOR USE ON CYLINDERS



L 700

High Flow Line

DESIGN/CONSTRUCTION

- Forged brass body & housing cap
- 2.5" (63.5 mm) gauge – brass
- Stem type seat mechanism
- 3.25" (82.6 mm) diaphragm – fabric-reinforced neoprene
- Delrin cap bushing for smooth adjustments
- Designed for gas distribution system (pipeline)
- Available in either 1/2" NPT(F) or 3/4" NPT(F) inlet

DIMENSIONS

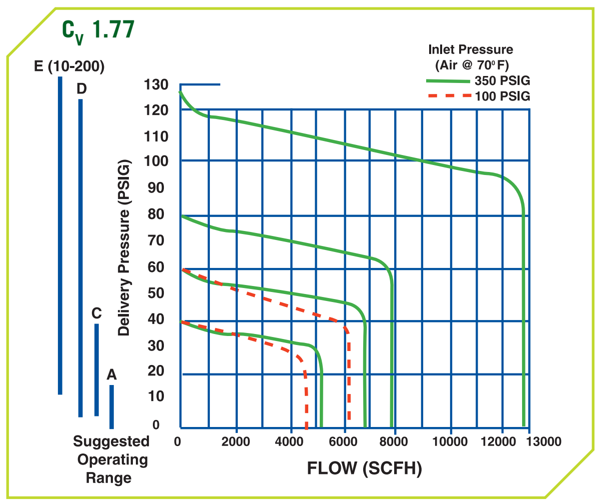
4" W x 7" H x 6" D
(101.6 mm x 177.8 mm x 152.4 mm)

WEIGHT

4 lb 15 oz (2.4 kg)

WARNING: Maximum inlet pressure 350 psig. Not for use on cylinders.

L 700 FLOW DATA



Gas Service	Part No.	Model No.	Delivery Range (psig)	Inlet & Outlet Ports
Air, Oxygen, Inert Gas	0780-1229	L 700C-500	4-80	1/2" NPT(F)
	0780-1220	L 700C-750	4-80	3/4" NPT(F)
	0780-1207	L 700D-500	5-125	1/2" NPT(F)
	0780-1236	L 700D-500 PMT*	5-125	1/2" NPT(F)
	0780-1209	L 700D-750	5-125	3/4" NPT(F)
	0780-1221	L 700E-500	10-200	1/2" NPT(F)
	0780-1222	L 700E-750	10-200	3/4" NPT(F)
Acetylene	0780-1233	L 710A-500	2-15	1/2" NPT(F)
	0780-1201	L 710A-750	2-15	3/4" NPT(F)
Hydrogen, L.P. Gas	0780-1199	L 711D-500	5-125	1/2" NPT(F)

*PMT Panel Mount

DL 700

Dome Load Line

DESIGN/CONSTRUCTION

- Forged brass body & housing cap
- Stem type seat mechanism – fabric reinforced neoprene
- 1/2" NPT(F) inlet & outlet ports
- Externally dome loaded
- Remotely controlled pressure adjustment
- Designed for cutting machines or applications that demand very consistent delivery pressures
- The DL 700 line regulator is externally dome loaded for remote control of gases.
- The delivery pressure on the DL 700 is controlled by the pressure supplied from a remote pilot regulator

DIMENSIONS

3.75" W x 4" H x 5.63" D
(95.3 mm x 101.6 mm x 143.0 mm)

WEIGHT

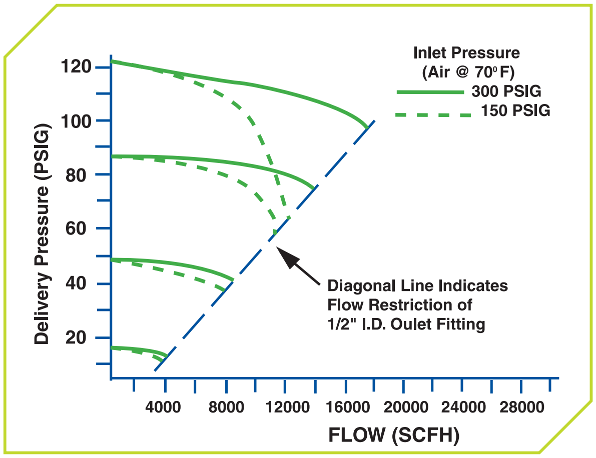
4 lb 8 oz (2.04 kg)

PERFORMANCE

- Maximum inlet – 500 psig
- Maximum outlet – 125 psig
- Temperature operating range – 0-140° F
- Dome load inlet size – 1/4" NPT(F)
- Maximum dome load pressure – 125 psig

WARNING: Not for use on cylinders.

DL 700 FLOW VS OUTLET PRESSURE



Gas Service	Part No.	Model No.	Delivery Range (psig)
A wide range of gases	0780-1188	DL 700	5-125
Connections: 1/2" NPT(F) Inlet & Outlet Ports			

BSL 700

Bulk System Line

DESIGN/CONSTRUCTION

- Forged brass body & housing cap
- 2.5" (63.5 mm) gauge – brass
- Stem type seat mechanism
- 3.25" (82.6 mm) diaphragm – stainless steel
- Bleed valve in low pressure port
- Nozzle – brass
- Seat return spring – stainless steel
- Seals – silicon and nylon
- Designed for downstream vapor applications
- Ideal for bulk system installations
- Durable and will withstand most environmental situations
- Inlet pressure up to 350 psig

DIMENSIONS

3.25" W x 8.5" H x 7.5" D
(82.6 mm x 215.9 mm x 190.5 mm)

WEIGHT

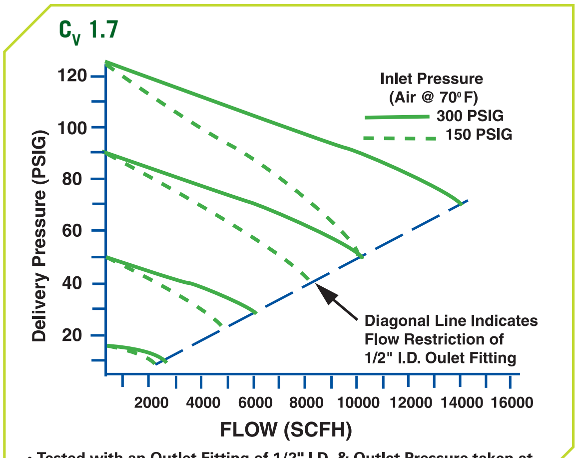
5 lb 8 oz (2.49 kg)

PERFORMANCE

- Maximum inlet – 350 psig
- Outlet range – 10-200 psig
- Temperature operating range 0-140° F

WARNING: Maximum inlet pressure 350 psig.
Not for use on cylinders.

BSL 700 FLOW VS OUTLET PRESSURE



• Tested with an Outlet Fitting of 1/2" I.D. & Outlet Pressure taken at Regulator Outlet Fitting.

Gas Service	Part No.	Model No.	Delivery Range (psig)	Outlet Gauge (psig)	Inlet & Outlet Ports
Oxygen, Inert Gas	0780-1200	BSL 700	10-200	0-400	1/2" NPT(F)

REGULATORS

Flow Products

What Does Victor Have to Offer?

Victor® has a full line of flow products for virtually any application. Whether it is welding, industrial or laboratory use, Victor has a flow meter, flow gauge or surge limiting regulator for your needs.

Victor offers a range of products for the delivery of shielding gas in the arc welding process or any application where gas flow rates, versus delivery pressure, are the primary consideration. These products are available for pure or mixed gases and for working with either high pressure cylinders or low pressure "piped shop" environments.

OFFERING INCLUDES:

- Regulators with flow meter
- Flow Meters
- Flow Gauge Regulators
- Single or Two Stage designs
- Surge limiting regulator

ESS3-FG

Flow Gauge

DESIGN/CONSTRUCTION

- Forged brass body
- Zinc-Aluminum housing cap
- High impact ABS gauge guard
- 1.5" (40 mm) gauges - brass
- Stem type seat mechanism
- 2" (50.8 mm) diaphragm - fabric reinforced neoprene
- External self reseating relief valve. Not designed to protect downstream equipment
- Sintered inlet filter – nickel plated bronze
- SLAM™ impact absorbing safety knob
- Meets or exceeds CGA E-4, UL 252 and ASTM G-175 Promoted Ignition Test

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)

PERFORMANCE

- Maximum inlet – 3000 psig
- Flow Range – 0-40 CFH (0 - 19 L/min.)

Gas Service	Part No.	Model No.	Flow Range (SCFH)
Argon	0781-5120	ESS3-FG-580	0-40
Carbon Dioxide	0781-5119	ESS3-FG-320	0-40
Outlet Connections: 5/8"-18 RH(F), CGA 032			

BLACK	GRAY
Argon	Carbon Dioxide

SR 310, SR 311, & SR 312

Flow Meter

DESIGN/CONSTRUCTION

- Designed for CO_2 application (non-siphoned tube cylinders)
- High flow CO_2 applications (SR 310 100 psig) (SR 311/312 100 SCFH) with adequate supply or source
- Designed for core wire applications
- Machined aluminum body & housing cap
- 2" (50.8 mm) gauge
- Stem type seat mechanism
- 1.75" (44.5 mm) diaphragm - fabric reinforced neoprene
- Self reseating relief valve (not designed to protect downstream equipment)
- Sintered inlet filter - bronze

DIMENSIONS

8.38" W x 7.25" H x 2.5" D
(212.9 mm x 184.2 mm x 63.5 mm)

WEIGHT

2 lb 15 oz (1.33 kg)

PERFORMANCE

- Maximum inlet – 1500 psig
- Delivery range – 100 SCFH

A regulator equipped with a flow gauge is not accurate when a back pressure in excess of 2 psig exists at the outlet. Back pressure is caused by a restriction in the equipment downstream of the flow gauge. Metering valves, kinked hoses or even very long hoses are restrictions that can cause back pressure. In applications where back pressure in excess of 2 psig can be expected, a regulator equipped with a flow meter should be used.


SR 310


SR 311


SR 312

WARNING: High gas withdrawal rates may cause regulator freeze up and will require cylinder manifolding. Consult your gas supplier. See below for Gas Heater.

Gas Service	Part No.	Model No.	Flow Range	CGA Inlet Connection
Carbon Dioxide	0781-0355	SR 310 Adjustable Pressure Gauge	10-200 psig	320
	0781-0353	SR 311 (Preset @ 80 psig) Flow Meter	25-100 SCFH	320
	0781-0354	SR 312 Flow Gauge	0-100 SCFH	320

Outlet Connections: 5/8"-18 RH(F)
Adapter: 5/8"-18(M) x 1/4" NPT(M) (Part No. 0950-0163)

GAS HEATER

Manufactured for either Carbon Dioxide (CO_2) or Nitrous Oxide (N_2O). These heaters operate on 110 Volts at 120 Watts (1 Amp). They are thermostatically controlled at 160°F (+5°) and rated for flows up to 160 SCFH. Rated for standard cylinder pressures up to 3000 psi.

Part No.	Description	Weight	
5370-7141	Electric CO_2 Heater	2 lb	0.9kg
5370-7142	Electric N_2O Heater	2 lb	0.9kg

REGULATORS

SLR 100

Surge Limiting Regulator

For use with Shielding Gas

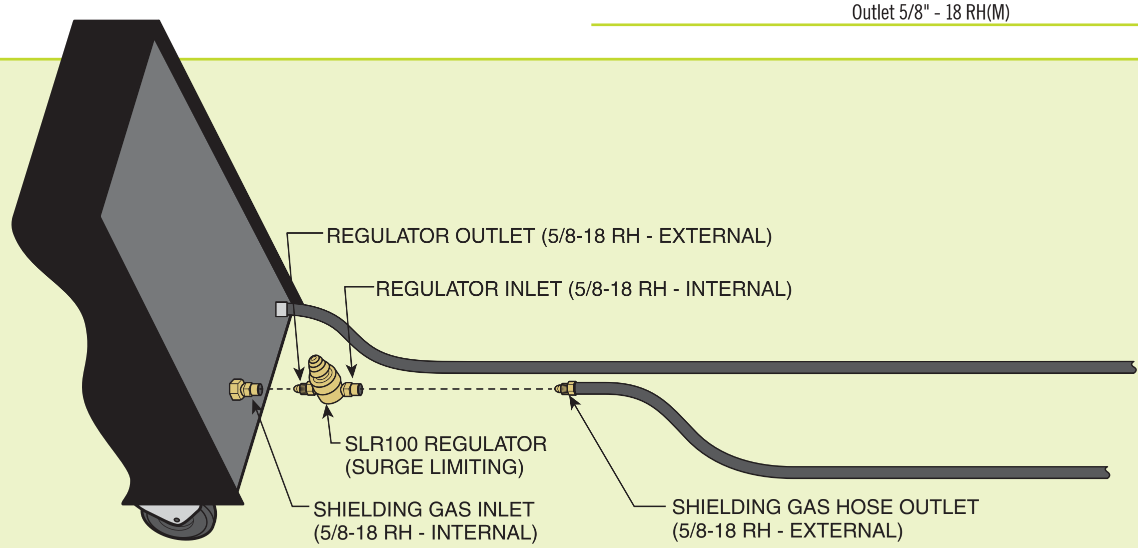
DESIGN/CONSTRUCTION

- Reduces gas surge at the application of the torch/gun
- Provides a more consistent flow rate of shielding gas to welding machines
- All brass construction
- Neoprene diaphragm
- 50 micron sintered bronze internal filter

PERFORMANCE

- Recommended inlet pressure: 100± 20 psig (200 max)
- Flow: 50 SCFH (preset)
- Connections: CGA 032 RH

Gas Service	Model No.	CGA Inlet Connection	Part No.
Inert	SLR 100	032	0781-1197
Outlet Connections: Inlet 5/8" - 18 RH(F) Outlet 5/8" - 18 RH(M)			

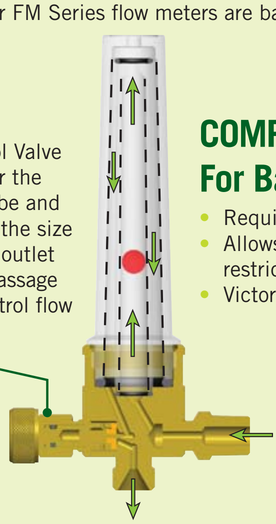


What Does Back Pressure Compensation Mean?

When a flow meter is back pressure compensated, it is not affected by any downstream restrictions that result in a pressure buildup. In a device that is not compensated, the back pressure will result in inaccurate readings on the flow tube or gauge.

All Victor FM Series flow meters are back pressure compensated to ensure accurate reading at all times, even if line restrictions are present.

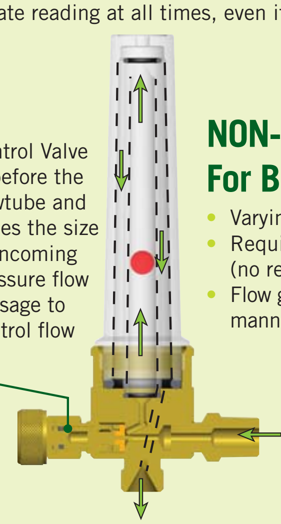
Control Valve is after the flowtube and varies the size of the outlet flow passage to control flow



COMPENSATED For Back Pressure

- Requires constant inlet pressure
- Allows for varying downstream restrictions
- Victor flow meters are of this type

Control Valve is before the flowtube and varies the size of incoming pressure flow passage to control flow



NON-COMPENSATED For Back Pressure

- Varying inlet pressures tolerable
- Requires flowing to atmosphere (no restrictions) to be accurate
- Flow gauge regulators operate in this manner

Flow Meter

Heavy Duty

DESIGN/CONSTRUCTION

- Gas flow measurement in SCFH
- MIG / TIG applications
- Flowtube and outer tube are made of impact resistant lexan for severe applications
- Pressure compensated for low surge requirement
- Cover tube contains overpressure protection

All Victor flow meters are back pressure compensated to ensure accurate readings at all times, even if line restrictions are present. All flow meters are calibrated to operate at 25 psig inlet pressure to minimize surge, except the FM 200 which is calibrated to operate at 80 psig.

WARNING: Not designed for cylinder use. Do not exceed calibrated inlet pressure.

FM372

Part No.	Model No.	Flow Range (SCFH)	Inlet Fitting	Outlet Fitting	Replacement Flow Tube	Inlet Pressure (psig)
UNITS WITH SINGLE GAS CALIBRATION						
1000-0264	FM 200	30-100 CO_2	1/4" NPT(M)	5/8"-18 RH(F)	1015-0066	80
UNITS WITH 2 GAS CALIBRATIONS						
1000-0268	FM 150	10-60 Air, 10-60 Nitrogen	1/4" NPT(M)	5/8"-18 RH(F)	1015-0060	25
1000-0255	FM 135	4-18 Argon , 10-50 Helium	9/16"-18 RH(F)	5/8"-18 RH(F)	1015-0063	25
1000-0256	FM 145	4-18 Argon, 10-50 Helium	5/8"-18 RH(M	5/8"-18 RH(F)	1015-0063	25
1000-0257	FM 155	4-18 Argon, 10-50 Helium	1/4" NPT(M)	5/8"-18 RH(F)	1015-0063	25
1000-0261	FM 137	15-65 Argon, 40-200 Helium	9/16"-18 RH(F)	5/8"-18 RH(F)	1015-0064	25
1000-0262	FM 147	15-70 Argon, 40-200 Helium	5/8"-18 RH(M)	5/8"-18 RH(F)	1015-0064	25
1000-0263	FM 157	15-65 Argon, 40-200 Helium	1/4" NPT(M)	5/8"-18 RH(F)	1015-0064	25
UNITS WITH 3 GAS CALIBRATIONS						
1000-0258	FM 370	5-40 CO_2, 5-50 Argon, 20-150 Helium	9/16"-18 RH(F)	5/8"-18 RH(F)	1015-0057	25
1000-0259	FM 371	5-40 CO_2, 5-50 Argon, 20-150 Helium	5/8"-18 RH(M)	5/8"-18 RH(F)	1015-0057	25
1000-0182	FM 372	5-40 CO_2, 5-50 Argon, 20-150 Helium	1/4" NPT(M)	5/8"-18 RH(F)	1015-0057	25

To ensure proper gas flow and to prevent tampering to your flowmeter use a Victor Locking Valve (Part No. 0662-0079)

HRF 2400

Medium Duty

DESIGN/CONSTRUCTION

- Regulator / flow meter combination in one compact unit
- MIG / TIG applications
- Ideal for all applications where dependability is needed
- Calibrated tube at 25 psig (not on HRF 2480)
- Machined brass body & housing cap
- Back pressure compensated
- Fabric reinforced neoprene diaphragm
- Internal self reseating relief valve – not designed to protect downstream equipment
- Sintered inlet filter – bronze
- Cover tube contains overpressure protection

DIMENSIONS

5.63" W x 8.25" H x 3" D
(143.0 mm x 209.6 mm x 76.2 mm)

WEIGHT

2 lb 8 oz (1.13 kg)

PERFORMANCE

- Maximum inlet – 3000 psig
- Outlet pressure – preset
- HRF 2425 – 25 psig
- HRF 2480 – 80 psig

WARNING: High gas withdrawal rates on carbon dioxide may require cylinder manifolding. Consult your gas supplier.

Gas Service	Part No.	Model No.	Flow Range (SCFH)	Specify CGA Inlet Connection	Replacement Flow Tube
Argon, Argon/Carbon Dioxide Mix, Helium	0781-2731	HRF 2425 Preset @ 25 psig	10-50 (Argon), 20-150 (Helium)	580	1015-0057
Carbon Dioxide, Carbon Dioxide Mix	0781-2727	HRF 2480 Preset @ 80 psig	10-38 (CO_2)	320	1015-0058
	0781-2728	HRF 2480 Preset @ 80 psig	7.5-37.5 (Argon)	320, 580	
Outlet Connections: 5/8"-18 RH(F), CGA 032					

DFM 150

Medium Duty

DESIGN/CONSTRUCTION

- Designed to monitor two separate processes or gas flows
- Ideal for applications where shielding gas and back purge requirements are needed
- Designed to offer convenience for the maintenance and fabrication industries
- Brass body
- Teflon seat mechanism
- Sintered inlet filter – bronze
- Music wire – spring
- Piston – brass
- Cover tube – lexan

DIMENSIONS

5.5" W x 6.5" H x 5" D
(139.7 mm x 165.1 mm x 127.0 mm)

WEIGHT

2 lb 9 oz (1.16 kg)

PERFORMANCE

- Maximum inlet – 3000 psig DFM 150
- 75 psig DFM 150S
- Outlet pressure – 25 psig (preset) Flow Capacity (See below)
- Flow meter shows actual flow

Gas Service	Part No.	Model No.	Flow Range (SCFH)	CGA Inlet Connection	Max Inlet (psig)	HP Gauge	Replacement Flow Tube
Argon, Helium	0781-1153	DFM 150-580	5-50 (Argon), 20-150 (Helium)	580	3000	0-4000	1015-0057
Argon, Argon / Carbon Dioxide Mix, Helium Low Pressure	0781-1206	DFM 150S	5-50 (Argon) 5-40 (Argon/CO_2) 20-150 (Helium)	1/4" NPT (F)	75	0-100	1015-0057
Outlet Connection: 5/8"-18 RH(F), CGA 032 Preset Pressure: 25 psig							

HSR & HVTS

Medium Duty

DESIGN/CONSTRUCTION
- Single or two stage design
- Compact in size
- Accurate regulator for gas flow
- MIG / TIG applications
- Two stage version provides extremely accurate flow rates as cylinder pressure declines
- Low surge rates – 25 psi preset


HSR Series

HSR Models (Single Stage)

DIMENSIONS
7" W x 6.25" H x 4.25" D (177.8 mm x 158.8 mm x 108.0 mm)

WEIGHT
3 lb 3 oz (1.45 kg)


HVTS Series

HVTS Models (Two Stage)

DIMENSIONS
7" W x 5.5" H x 6.5" D (177.8 mm x 139.7 mm x 165.1 mm)

WEIGHT
4 lb 10 oz (2.10 kg)

DESIGN/CONSTRUCTION
- Forged brass body and housing cap
- 2" (50.8 mm) high pressure gauge
- Stem type seat mechanism
- Fabric reinforced neoprene diaphragm
- External self reseating relief valve (not designed to protect downstream equipment)
- Sintered inlet filter – bronze

PERFORMANCE
- Maximum inlet – 3000 psig
- Outlet pressure – 25 psig (preset), 80 psig on CO_2
- Flow capacity (See below)

WARNING: High gas withdrawal rates on carbon dioxide may require cylinder manifolding. Consult your gas supplier.

Gas Service	Part No.	Model No.	Flow Range (SCFH)	Specify CGA Inlet Connection	Replacement Flow Tube	Gas Calibrations
Nitrogen/Air	0781-3819	*HSR 2530	10-60	580	1015-0070	2
Argon/Helium	0781-3867	*HSR 2535	4-18 / 10-50	580	-	2
	0781-3775	*HVTS 2535	4-18 / 10-50	580	-	2
	0781-3871	*HSR 2537	15-65 / 40-200	580	1015-0064	2
	0781-3772	*HVTS 2537	15-65 / 40-200	580	1015-0064	2
Argon, Argon/Carbon Dioxide Mix, Helium	0781-3873	*HSR 2570	5-50	580	1015-0057	3
	0781-3869	*HSR 2570	5-40	580	1015-0057	3
	0781-3774	*HVTS 2570	20-150	580	1015-0057	3
Hydrogen	0781-3825	HSR 2533	5-40	350	1015-0070	2
Argon, Argon/Carbon Dioxide Mix, Helium (Max Inlet – 200 psig)	0781-1245	S2570	5-50, 5-40, 20-140	034	1015-0057	3
Inert	0781-3880	HSR 1470-680	50-140-40	680	1015-0057	AR-HE-CO_2

*Outlet Connections: 5/8"-18 RH(F)

REGULATORS

HRF 1400

Light Duty

DESIGN/CONSTRUCTION

- Regulator / Flow meter
- Single stage piston design
- Argon, Argon/CO_2 mix & CO_2 models
- 25 psig or 80 psig pre-set pressure
- Up to 50 CFH for Argon and up to 38 CFH for CO_2 delivery
- Available in CGA 320 & 580 inlet connections
- Optional MIG kit available with 10’ (3.1 m) hose

WEIGHT

2.0 lb (0.91 kg)

PERFORMANCE

Maximum inlet pressure: 3000 psig
Outlet pressure: preset HRF 1425 – 25 psig HRF 1480 – 80 psig

Part No.	Model No.
0781-2723	HRF 1425-580
0387-0240	HRF 1425-580 CS
0781-2743	HRF 1425-580 (With 10' (3.1 m) hose)
0781-2725	HRF 1480-320
0781-2745	HRF 1480-320 (With 10' (3.1 m) hose)
0781-2724	HRF 1480-580
0781-2744	HRF 1480-580 (With 10' (3.1 m) hose)

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

TPR 250 Purging Regulator

Light Duty

DESIGN/CONSTRUCTION

- Single stage design
- Forged brass body & housing cap
- 2" (50.8 mm) gauges
- Stem type seat mechanism
- Neoprene diaphragm

DIMENSIONS

6.38" W x 5.13" H x 4.25" D (162.1 mm x 130.3 mm x 108.0 mm)

WEIGHT

2 lb 15 oz (1.33 kg)

PERFORMANCE

Maximum inlet pressure: 3000 psig

Part No.	Model No.	Delivery Pressure (psig)
0781-9133	TPR 250-125-580 CS	5-125
0781-9127	TPR 250-125-320	5-125
0781-9134	TPR 250-200-580 CS	10-250
0781-9135	TPR 250-500-580 CS	10-250

Outlet Connection: 1/4"-37° flare.
CS = Clamshell Package

Meco High Pressure

DESIGN/CONSTRUCTION

- Single-stage design
- Heavy-duty applications such as oil/gas industry
- Stainless steel diaphragm
- Positive pressure yoke type regulator
- Multi-seat 4 way seat block

WEIGHT

4 lb 9 oz (2.2 kg)

PERFORMANCE

- Maximum inlet pressure – 5500 psig
- Available as a preset model or with adjusting T-screw

Part Number	Description	Adjusting Mechanism	Pressure	Inlet
5641-8461	P Regulator 125 psi	Cap nut	125	1/4 -18 NPT
5641-8464	P Regulator 150 psi	T screw	150	1/4 -18 NPT
5641-8465	P Regulator 150 psi	Cap nut	150	1/4 -18 NPT
5641-8470	P Regulator 225 psi	T screw	225	1/4 -18 NPT
5641-8468	P Regulator 225 psi	T screw	225	1/4 -18 NPT