How To Choose A Regulator:

Questions & Answers:

Q_ What gas will you be regulating?

A. This determines what type of regulator is best.

Q- What purity is that gas?

A. This determines the materials of construction of the regulator.

Q- Do you want constant delivery pressure?

A. This determines single or dual stage regulation

Questions to consider when selecting a VSP regulator:

- **Q.** What outlet pressure does your application require?
- A. This determines the delivery range of the regulator as shown on page 5.
- **Q**. What type of outlet connection do you need?
- A. Connection is based on application and downstream apparatus.
- **Q**. What additional options would you like installed?
- A. All options are listed in the 'options' section of the "how to order" portion.

How To Order Please call 800-569-0547 for more information.

- Step 1 Refer to the regulator model legend below and the regulator selection guide on page 87 to identify the type of regulator that best fits your requirements. (Example SGS Series)
- **Step 2** Locate the specifications page for that particular regulator and use the Model Number System to select the model desired. (Example **SGS500**)
- **Step 3** Select the regulator delivery range you require. (Example SGS-500-80)
- **Step 4** Specify the CGA inlet connection required. (Example SGS-500-80-330) **Note:** If no inlet is desired, please specify "**4F**" on your order.
- **Step 5** Specify the outlet fitting you require. (Example SGS-500-80-330-**DK4S**)
- **Step 6** Add any one or more options you want. (Example SGS-500-80-330-DK4S-04)



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Model & Ordering Information

Regulator and Manifold Model Identification Symbols

Legend	Type of Regulator	Legend Type of Regulator		Legend	Type of Regulator
GPS GPT GPL DRK	General Purpose Single Stage General Purpose Two Stage General Purpose Line Diffusion Resistant Valve	HPS HPT HPL PDS	High Purity Single Stage High Purity Two Stage High Purity Line Switchover Manifold	SGS SGT SGL LB	Stainless Steel Single Stage Stainless Steel Two Stage Stainless Steel Line Lecture Bottle
DRL	1/4 Valve with Lever	D-1 VHP	Dome Loaded Regulator Victor High Purity Switchover Manifolds	CRS PR PS	Corrosion Resistant Regulators Calibration Gas Regulator Protocol Station

Regulator Delivery Ranges

Regulator Delivery Ranges	Gauge Ranges	Gauge Ranges	Gauge Ranges		
15 2-15 PSIG	15 ("A" Range) 2-30 P	PSIG Gauge Regulator Gauges: Unless otherwise	noted,		
40 2-40 PSIG	40 ("B" Range) 2- 60 P	PSIG Gauge high pressure gauges for all oxygen, in	ert		
80 4-80 PSIG	80 ("C" Range) 4-100 P	PSIG Gauge gas,CO ₂ , N ₂ O, and hydrogen models a	re		
125 5-125 PSIG	125 ("D" Range) 5-200 PS	SIG Gauge graduated 200-4000 psig. High pressur	е		
200 10-200 PSIG	200 ("E" Range) 10-400 P	PSIG Gauge gauges for fuel gas models are graduate	ted		
200 10-300 PSIG	300 10-400 PS	PSIG Gauge 20-400 psig. Low pressure or outlet gau	uge		
500 20-500 PSIG	500 (Brass) 20-600 PS	SIG Gauge ranges are determined by the regulator	-		
	500 (Stainless) 60-600 P	SIG Gauge delivery range selected.			

Regulator Quick Reference Chart

	Material of Construction						Stage/Type			General Application
Model	Stainless Steel	Chrome Plated Brass	Chrome Plated Forged Brass	Brass	Electroless Nickel Plated Brass	Aluminum	Single Stage	Two Stage	Other	Type of Usage
SGS500	X						Х			High purity (critical)
SGT500	Х							X		High purity (critical)
SGL500	X								Line	High purity (critical)
HPS500		X					X			High purity (critical)
HPT500		X						X		High purity (critical)
HPL500		X							Line	High purity (critical)
HPS270/280		X	X				X			High purity
HPT270/280		X	X					X		High purity
HPL270/280		X	X						Line	High purity
HPT100		X						X		High purity
HPS 4				Х					Piston	High pressure (High purity)
HPL700				Х					Line	High flow
D-1 (Dome)			X						Dome	Assist gas
CRS100					X				Yoke-style	Corrosion resistant
CRS200					X				Yoke-style	Corrosion resistant
PR150				Х					Piston	Calibration gas
PR160		X							Piston	Calibration gas
PR190						X	X		Piston	Calibration gas
LB150		X	X						Lecture	Non-corrosive gases
LB165	X								Lecture	Corrosion resistant (High purity)
GPS270/280		X					X			General purpose, non-corrosive
GPT270/280		X						X		General purpose, non-corrosive
GPL270/280		X							Line	General purpose, non-corrosive
GLC350		X							Liquid Cyl.	Specialty gas
SR310/311/312						X			High Flow Co ₂	Carbon dioxide cylnon-siphoned
MBG-A		X						X		Special purpose

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