



Welding Regulators

■ Single stage

Victor—Durable forged brass body and cap. Feature stem-type seat mechanism for accurate gas flow, and Delrin cap bushing. Edge Series regulators have high contrast graphics, built-in gauge guard, and 5-yr. warranty.

Miller—Filtered Sure Seat filtered seats prevent contamination from entering the seating area, reducing repair costs and downtime. Made with a rugged forged brass body, nickel-plated bonnet, and neoprene composite diaphragm.

Harris—Feature an encapsulated 1-pc. PTFE capsule seat assembly with 10-micron filter. 5KZ42 has a forged brass body and cap, along with a stem-type seat mechanism, stainless steel diaphragm, and Delrin insert bushing.

TurboTorch—Check pressure, test, and purge lines prior to brazing to protect joints against oxidation. Easy-to-read 2" gauges with forged brass body and housing cap. Gauges are marked with dual graduations, psig and kPa.

UniWeld—Includes a polished chrome bonnet, easy-to-read 2" gauge, neoprene diaphragm, and heavy-duty stem-type seat-and-nozzle assembly.



54RZ86



5EFX1

Gas Service	Delivery Pressure Range	Inlet Connec.	Outlet Connec.	Gauge Size	Series	Brand	Mfr. Model	Item No.
Acetylene	2 to 15 psi	CGA 300	1/8"-18 M LH	2 in	Professional SR260A-300	Victor	0781-0085	5KJ66
		CGA 300	1/8"-18 M LH	2 1/2 in	Edge 2.0	Victor	0781-3603	54RZ86
		CGA 300	1/8"-18 M LH	2 1/2 in	Professional SR460A-300	Victor	0781-0583	20UK05
		CGA 510	1/8"-18 M LH	2 in	Professional SR260A-510	Victor	0781-0087	5KJ67
		CGA 510	1/8"-18 M LH	2 1/2 in	Edge 2.0	Victor	0781-3602	54RZ85
	15 psi	CGA 510	1/8"-18 M LH	2 1/2 in	Professional SR460A-510	Victor	0781-0584	5KJ71
		CGA 510	1/8"-18 M LH	2 in	ESS3	Victor	0781-3628	482W16
		CGA 200	1/8"-18 LH B	2 in	30	Smith Equipment	30-15-200	5EFW6
		CGA 510	1/8"-18 LH B	2 in	30	Smith Equipment	30-15-510	5JPH5
		CGA 540	1/8"-18 RH Oxygen/CGA 300 Acetylene	2 in	30	Smith Equipment	HTP5	3LVR3
Acetylene, Oxygen	100 psi Oxygen/15 psi Fuel	CGA 580	1/8"-18 M RH	2 1/2 in	425	Harris	425-125-580	5KZ46
		CGA 580	1/8"-18 M RH	2 1/2 in	425	Harris	425-200-580	5KZ47
		CGA 580	1/4 in SAE 45° Flared	2 1/2 in	25GX	Harris	25GX-500-580	5KZ42
		CGA 580	1/4 in-37° Flared	2 in	TPR250-580	Victor	0781-9134	20UK20
		CGA 580	1/4 in Swagelok	2 1/2 in	Professional SR46-580	Victor	0781-1428	20UK09
	0 to 500 psi	CGA 580	1/4 in Swagelok	2 1/2 in	Professional SR4J-580	Victor	0781-1448	20UK11
		CGA 580	1/8"-18 RH Internal	2 in	30	Smith Equipment	30-150-580	5EFW8
		CGA 350	1/8"-18 LH B	2 in	30	Smith Equipment	30-100-350	5EFX0
		CGA 580	1/8"-18 F RH	2 1/2 in	Professional SR450D-580	Victor	0781-0528	5KJ69
		CGA 580	1/4 in-37° Flared	2 in	TPR250-500-580	Victor	0781-9135	5KJ83
Argon, Helium, Nitrogen	50 psi	CGA 510	1/8"-18 LH B	2 in	30	Smith Equipment	30-50-510	5EFW7
		CGA 580	1/4 in-37° Flared	2 in	245-02P	TurboTorch	0386-0813	2CZH8
		CGA 580	1/4 in-37° Flared	2 in	245-03P	TurboTorch	0386-0814	2CZH9
		CGA 580	1/8"-18 RH Internal	2 1/2 in	40	Smith Equipment	40-275-580	5JPH2
		CGA 580	1/8"-20 Flared	2 in	30	Smith Equipment	30-450-580	5EFX1
	0 to 125 psi	CGA 540	1/8"-18 M RH	2 1/2 in	425	Harris	425-125-540	5KZ43
		CGA 540	1/8"-18 M RH	2 in	Professional SR250C-540	Victor	0781-0027	5KJ63
		CGA 540	1/8"-18 M RH	2 in	Professional SR250D-540	Victor	0781-0043	20UK01
		CGA 540	1/8"-18 M RH	2 1/2 in	Professional SR460A-510	Victor	0781-0527	5KJ68
		CGA 540	1/8"-18 M RH	2 in	ESS3	Victor	0781-3627	482W15
Oxygen	5 to 125 psi	CGA 540	1/8"-18 M RH B	2 in	RUH	UniWeld	RUH821	39DM36
		CGA 540	1/8"-18 M RH	2 1/2 in	Edge 2.0	Victor	0781-3601	54RZ84
		CGA 540	1/8"-18 RH B	2 in	30	Smith Equipment	30-20-540	5JPH4
		CGA 540	1/8"-18 RH B	2 in	30	Smith Equipment	30-100-540	5JPH3
		CGA 540	1/8"-18 RH B	2 in	40	Smith Equipment	40-175-540	5JPG5
	200 to 3000 psi	CGA 540	1/4 in Swagelok	2 1/2 in	Professional SR4J-540	Victor	0781-1445	20UK10

High Purity Regulators

- 2 1/2" gauge
- 2" body dia.

Encapsulated filtered seat design helps prevent contaminants from entering seating area, while the nickel-plated finish with brass/stainless steel barstock construction prevents outgassing. Stainless steel diaphragm. Built-in safety relief valve. Two-stage models provide precise pressure control of carrier gases or calibration mixtures used in chromatography or for thermal conductivity.

Gas Service	Inlet Connec.	Outlet Connec.	Supply Pressure Gauge	Delivery Pressure Range	Item No.
Single Stage-Stage, Brass Body					
Inert, Non-Corrosive	1/4 in FNPT	1/4 in FNPT	—	100 psi	6PHG8
Argon, Helium, Inert, Nitrogen	CGA-580	1/8 in Brass Tube Fitting	4,000 psi	0 to 15 psi	3CEV5
		1/8 in Brass Tube Fitting	4,000 psi	0 to 150 psi	3CEV6
Two Stage-Stage, Brass Body					
CO2	CGA-320	1/8 in Brass Tube Fitting	4,000 psi	0 to 150 psi	3EKZ9
Hydrogen	CGA-350	1/8 in Brass Tube Fitting	4,000 psi	0 to 15 psi	3ELA1
		1/8 in Brass Tube Fitting	4,000 psi	0 to 150 psi	3ELA2
Argon, Helium, Inert, Nitrogen	CGA-580	1/8 in Brass Tube Fitting	4,000 psi	0 to 15 psi	3ELA3
		1/8 in Brass Tube Fitting	4,000 psi	0 to 150 psi	3ELA4
Two Stage-Stage, 316 Stainless Steel Body					
Corrosive	CGA-330	1/4 in FNPT x 1/4 in Diaphragm Valve with 1/4 in Tube Fitting	4,000 psi	0 to 100 psi	3ELC1

SMITH

Single-Stage
3CEV5

Flow Gauge and Flowmeter Regulators

Use for shielding gas with argon or CO₂ in MIG and TIG welding. Flow gauge regulators are for accurate measurement of gas flow. Flowmeter regulators incorporate flowmeter and regulator into one compact unit.

Gas Service	Delivery	Delivery Pressure Range	Inlet Connec.	Outlet Connec.	Supply Pressure Gauge	Brand	Item No.
Flow Gauge Regulator, Single Stage							
Argon	0 to 50 scfh	50 cfh	CGA-580	½"-18 RH Internal	4,000 psi	Smith Equipment	5EFY1
		50 cfh	CGA-580	½"-18 RH Internal	4,000 psi	Smith Equipment	5EFY2 *
CO2		50 cfh	CGA-320	½"-18 RH Internal	4,000 psi	Smith Equipment	5EFY3
Flowmeter, Single Stage							
Argon, Carbon Dioxide, Helium	50 psi	50 psi	¼ in MNPT	½"-18 RH Internal	—	Miller	5EFZ0
Flowmeter Regulator, Dual, CGA Outlet ½"-18 F RH							
Argon, Helium	0 to 45 cfh Ar/0 to 140 cfh He	0 to 4000 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Harris	5KZ68
Flowmeter Regulator, Single Stage							
Argon, Carbon Dioxide	10 to 50 cfh	25 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	5KJ73
		25 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	20UJ95
		25 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	20UK16 †
		80 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	20UK14
		80 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	20UK17 †
		80 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	20UK15
Argon, Carbon Dioxide, Helium	0 to 50 scfh CO2, 0 to 160 scfh He, 0 to 60 scfh Ar/CO2 Mix	50 psi	CGA-580	½"-18 RH Internal	0 to 4000 psi	Miller	5EFX9
		50 psi	CGA-580	½"-18 RH Internal	0 to 4000 psi	Miller	5EFY0 *
		25 psi	CGA-580	½"-18 F RH	0 to 4000 psi	Victor	5KJ76
		80 psi	CGA-320	½"-18 F RH	0 to 4000 psi	Victor	5KJ74
CO2	10 to 38 cfh						

* Includes 6-ft. hose with inert hose connections. † Includes 10-ft. hose.

Flow Gauge Regulator
5EFY1

20UK16