



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.

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-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
		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 1/2 in	Professional SR460A-510	Victor	0781-0584	5KJ71
Acetylene, 100 psi Oxygen/15 psi Fuel	15 psi	CGA-200	1/8"-18 LH B	2 in	ESS3	Miller Electric	0781-3628	482W16
		CGA-510	1/8"-18 LH B	2 in	30	Miller Electric	30-15-200	5EFW6
		CGA-510	1/8"-18 LH B	2 in	30	Miller Electric	30-15-510	5JPH5
Acetylene, 100 psi Oxygen/15 psi Fuel	0 to 125 psi	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
Argon, Helium, Nitrogen	0 to 500 psi	CGA-580	1/4 in SAE 45° Flared	2 1/2 in	25GX	Harris	25GX-500-580	5KZ42
		CGA-580	1/4 in Swagelok	2 1/2 in	Professional SR460A-580	Victor	0781-9134	20UK20
Argon, Nitrogen	100 to 1500 psi	CGA-580	1/4 in Swagelok	2 1/2 in	Professional SR460A-580	Victor	0781-1428	20UK09
		CGA-580	1/4 in Swagelok	2 1/2 in	Professional SR460A-580	Victor	0781-1448	20UK11
Argon, Nitrogen	150 psi	CGA-580	1/4 in RH Internal	2 in	30	Miller Electric	30-150-580	5EFW8
		CGA-350	1/8"-18 LH B	2 in	30	Miller Electric	30-100-350	5EFX0
Hydrogen, Methane	5 to 125 psi	CGA-580	1/4 in-37° Flared	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
Liquefied Propane	50 psi	CGA-510	1/8"-18 LH B	2 in	30	Miller Electric	30-50-510	5EFW7
		CGA-580	1/4 in-37° Flared	2 in	245-02P	TurboTorch	0386-0813	2CZ88
Nitrogen	2 to 250 psi	CGA-580	1/4 in-37° Flared	2 in	245-03P	TurboTorch	0386-0814	2CZ89
		CGA-580	1/8"-18 RH Internal	2 1/2 in	40	Miller Electric	40-275-580	5JPH2
Nitrogen	2 to 500 psi	CGA-580	1/8"-20 Flared	2 in	30	Miller Electric	30-450-580	5EFX1
		CGA-540	1/8"-18 M RH	2 1/2 in	425	Harris	425-125-540	5KZ43
Nitrogen	0 to 125 psi	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
Nitrogen	4 to 80 psi	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	RUH8210	39DM36
		CGA-540	1/8"-18 M RH	2 1/2 in	Edge 2.0	Victor	0781-3601	54RZ84
Oxygen	20 psi	CGA-540	1/8"-18 RH B	2 in	30	Miller Electric	30-20-540	5JPH4
		CGA-540	1/8"-18 RH B	2 in	30	Miller Electric	30-100-540	5JPH3
Oxygen	100 psi	CGA-540	1/8"-18 RH B	2 in	40	Miller Electric	40-175-540	5JPG5
		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
	CGA-580	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
	CGA-350	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
	CGA-580	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



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 Pressure Range	Inlet Connec.	Outlet Connec.	Supply Pressure Gauge	Brand	Item No.	
Flow Gauge Regulator, Single Stage-Stage							
Argon	0 to 50 scfh	CGA-580	1/8"-18 RH Internal	4,000 psi	Miller Electric	5EFY1	
		CGA-580	1/8"-18 RH Internal	4,000 psi	Miller Electric	5EFY2 *	
		CGA-520	1/8"-18 RH Internal	4,000 psi	Miller Electric	5EFY3	
CO2	50 cfh	CGA-320	1/8"-18 RH Internal	4,000 psi	Miller Electric	5EFY4	
Flowmeter, Single Stage-Stage							
Argon, Carbon Dioxide, Helium	50 psi	50 psi	1/4 in MNPT	1/8"-18 RH Internal	—	Miller Electric	5EFZ0
Flowmeter Regulator, Dual, CGA Outlet 1/8"-18 F RH							
Argon, Helium	0 to 45 cfh Ar/0 to 140 cfh He	0 to 4000 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Harris	5KZ68
Flowmeter Regulator, Single-Stage							
Argon, Carbon Dioxide	Up to 50 cfh Ar and 38 cfh CO2	80 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Victor	20UK17 †
Flowmeter Regulator, Single Stage-Stage							
Argon, Carbon Dioxide	10 to 50 cfh	25 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Victor	5KJ73
		25 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Victor	20UJ95
		25 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Victor	20UK16 †
		80 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Victor	20UK14
		80 psi	CGA-580	1/8"-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	1/8"-18 RH Internal	0 to 4000 psi	Miller Electric	5EFX9
		50 psi	CGA-580	1/8"-18 RH Internal	0 to 4000 psi	Miller Electric	5EFY0 *
		25 psi	CGA-580	1/8"-18 F RH	0 to 4000 psi	Victor	5KJ76
CO2	10 to 38 cfh	80 psi	CGA-320	1/8"-18 F RH	0 to 4000 psi	Victor	5KJ74

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



Flow Gauge Regulator 5EFY1



20UK16