

# 601

MODEL

## ECONOMICAL GENERAL PURPOSE

MODEL SHOWN:  
601-60Ar-580

### DESCRIPTION

This single-stage flowgauge regulator is designed to be compact and economical with features only available in more expensive flow control devices. The 601 flowgauge regulator is used where size and/or cost are major factors.

### DETAILS

**Capacity:** Light/Medium Duty

**Gauges:** 50mm ABS plastic

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Featured In:** 601-Ar/CD shielding gas kits

**Certifications:** UL® listed/CGA E-4

**Where Used:** Gas shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 1.39 lbs./ 0.63 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	MAX. INLET PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3001298	601-60Ar-580	Ar + Mixes	60	3000	4000	CGA 580	3/8" - 18 (F)
3001299	601-60CD-320	CO <sub>2</sub>	60	3000	4000	CGA 320	3/8" - 18 (F)

# 301

MODEL

## COMPACT GENERAL PURPOSE

MODEL SHOWN:  
301-Ar60-580

### DESCRIPTION

This single-stage flowgauge regulator is designed to be compact, light weight and rugged. It is time-proven to give accurate flow-control to 60 SCFH using the most common welding shielding gases.

### DETAILS

**Capacity:** Medium/Heavy Duty

**Gauges:** 2" Steel

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Featured In:** 301-Ar/CD shielding gas kits

**Certifications:** UL® listed / CGA E-4

**Where Used:** Gas-shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 2.2 lbs./1.0 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	MAX. INLET PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3000163	301-Ar60-580	Ar + Mixes	60	3000	4000	CGA 580	3/8" - 18 (F)
3000232	301-Ar30-580	Ar + Mixes	30	3000	4000	CGA 580	3/8" - 18 (F)
3000244	301-Ar60-680	Ar + Mixes	60	5500	6000	CGA 680	3/8" - 18 (F)
3000164	301-CD60-320	CO <sub>2</sub>	60	3000	4000	CGA 320	3/8" - 18 (F)

# 425

MODEL



## GENERAL PURPOSE BEST FEATURES

MODEL SHOWN:  
425-Ar100-580

### DESCRIPTION

The Model 425-AR/CD flowgauge regulator is based upon our premium Model 425 single-stage pressure regulator. It is a rugged, long lasting performer capable of 100 SCFH flow and it features an internal, self-seating high pressure safety valve.

### DETAILS

**Capacity:** Heavy Duty

**Gauges:** 2.5" brass

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Certifications:** UL® listed/CGA E-4

**Where Used:** Gas shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 3.7 lbs./1.69 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	MAX. INLET PSIG	SUPPLY PRESSURE GAUGE PSIG	DELIVERY FLOW GAUGE	INLET CONNECTION	OUTLET CONNECTION
3000774	425-Ar100-580	Ar + Mixes	100	3000	4000	0-100 SCFH	CGA 580	3/8" - 18RH (F)
3000776	425-CD100-320	CO <sub>2</sub>	100	3000	4000	0-100 SCFH	CGA 320	3/8" - 18RH (F)

# 330

MODEL



## LIQUID CYLINDER GAS WITHDRAWAL

MODEL SHOWN:  
330-Ar100-580

### DESCRIPTION

The Model 330 Ar/CD is a single-stage flowgauge regulator designed specifically for liquid cylinders. It features a stainless steel diaphragm. The Harris exclusive self-seating, tamper-proof internal safety allows it to be used on high pressure cylinders of up to 3000 PSIG.

### DETAILS

**Capacity:** Heavy Duty

**Gauges:** 2.5" brass

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Diaphragm:** Stainless Steel

**Certifications:** UL® listed/CGA E-4

**Where Used:** Gas-shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 3.7 lbs./1.68 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	MAX. INLET PSIG	DELIVERY FLOW GAUGE	INLET CONNECTION	OUTLET CONNECTION
3001089	330-Ar100-580	Ar + Mixes	100	3000	0-100 SCFH	CGA 580	3/8" - 18RH (F)
3001096	330-CD100-320	CO <sub>2</sub>	100	3000	0-100 SCFH	CGA 320	3/8" - 18RH (F)



THE HARRIS PRODUCTS GROUP  
www.harrisproductsgroup.com

Orders: 1.800.733.4043

# 247

MODEL



## ECONOMICAL PIPELINE

MODEL SHOWN:  
247-FG-1/4"

### DESCRIPTION

Harris Model 247 flowmeter regulator is designed to deliver high gas flows from low pressure piping systems. The 247 features a brass body and chrome-plated bonnet. For installations requiring back entry equipment.

### DETAILS

**Capacity:** Medium Duty

**Gauges:** 2" steel

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Bonnet:** Chrome-Plated Zinc

**Certifications:** CGA E-4

**Where Used:** Gas-shielded welding and other industrial applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 3.6 lbs./1.63 kg.



PART NO.	MODEL NO.	GAS	MAXIMUM INLET PSIG	DELIVERY PRESSURE RANGE	DELIVERY PRESSURE GAUGE	INLET CONNECTION	OUTLET CONNECTION
4000810	247-FG-1/4"	Ar, CO <sub>2</sub> ,	500	10-100 SCFH	100 SCFH	1/4" - NPT (F)	5/8" - 18RH (M)

# 447

MODEL



## HEAVY DUTY BACK ENTRY

MODEL SHOWN:  
447-FG-1/4"

### DESCRIPTION

The Harris Model 447 flowmeter regulator was designed to deliver high gas flows from low pressure piping systems. The 447 features a solid brass body and bonnet. For installations requiring back entry equipment.

### DETAIL

**Capacity:** Heavy Duty

**Gauges:** 2.5" Brass

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Bonnet:** Brass

**Certifications:** CGA E-4

**Where Used:** Gas-shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 3.6 lbs./1.63 kg.



PART NO.	MODEL NO.	GAS	MAXIMUM INLET PSIG	DELIVERY FLOW RANGE	DELIVERY FLOW GAUGE	INLET CONNECTION	OUTLET CONNECTION
4000565	447-FG-1/4"	Ar, CO <sub>2</sub> ,	500	10-100 SCFH	100 SCFH	1/4" NPT (F)	5/8" - 18(F)

# 547

MODEL



## PREMIUM PIPELINE SIDE ENTRY

MODEL SHOWN:  
547-FG-1/4"

### DESCRIPTION

The Harris Model 547 flowmeter regulator was designed to deliver high gas flows from low pressure piping systems. The 547 features a brass body and bonnet. For installations requiring side entry equipment.

### DETAILS

**Capacity:** Light/Medium Duty

**Gauges:** 2.5" Brass

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Featured In:** 601-Ar/CD shielding gas kits

**Certifications:** CGA E-4

**Where Used:** Gas-shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 3.6 lbs./1.63 kg.



PART NO.	MODEL NO.	GAS	MAXIMUM INLET PSIG	DELIVERY PRESSURE RANGE	DELIVERY PRESSURE GAUGE	INLET CONNECTION	OUTLET CONNECTION
4000617	547-FG-1/4"	Ar, CO <sub>2</sub>	500	10-100 SCFH	100 SCFH	1/4"NPT (F)	3/8" - 18RH (F)

# HP715

MODEL



## ELECTRICALLY HEATED FLOWGAUGE REGULATOR

MODEL SHOWN:  
HP715-100CD-320-240

### DESCRIPTION

The Model HP715 is an electrically heated two-stage flowgauge regulator designed to resist high-flow CO<sub>2</sub> regulator freeze-up. It is perfectly suited for gas shielded welding, Ph control, blanketing and purging.

### DETAILS

**Capacity:** Heavy Duty

**Gauges:** 2.5" Chrome-Plated Brass

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® Seat

**Body:** Brass

**Diaphragm:** Stainless Steel

**Certifications:** CGA E-4

**Where Used:** Gas-shielded welding and other industrial gas applications

**Related Items:** Heater - 200 watts, 120V or 240V

**Weight:** 6.8 lbs./ 3.08 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	MAX. INLET PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION	ELECTRICAL POWER REQUIREMENTS
3100220	HP715-100CD-320-120	CO <sub>2</sub>	100	3000	4000	CGA 320	3/8" - 18RH (F)	120V
3100221	HP715-100CD-320-240	CO <sub>2</sub>	100	3000	4000	CGA 320	3/8" - 18RH (F)	240V



THE HARRIS PRODUCTS GROUP  
www.harrisproductsgroup.com

Orders: 1.800.733.4043

# 601 AR/CD

MODEL



## SHIELDING GAS KIT

MODEL SHOWN:  
601Ar-60-58010

### DESCRIPTION

The Model 601Ar/CD shielding gas kits are ideal for low amperage MIG welders with built-in wire feeders. Designed to give precise flow-control at an economical price. Includes a 3/16" x 10' inert hose with fittings.

### DETAILS

**Capacity:** Light Duty

**Gauges:** 50mm ABS plastic

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

**Body:** Brass

**Certifications:** CGA E-4

**Where Used:** Gas-shielded welding

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 2.6 lbs./ 1.18 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	COMPENSATED PSIG	MAX. INLET PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
3000322	601Ar-60-58010	Ar + Mixes	60	(N/A)	3000	4000	CGA 580	3/8" - 18 RH (F)
3000988	601CD-60-32010	CO <sub>2</sub>	60	(N/A)	3000	4000	CGA 320	3/8" - 18 RH (F)

# 301 AR/CD

MODEL



## SHIELDING GAS KIT

MODEL SHOWN:  
301Ar-58010

### DESCRIPTION

The Model 301Ar/CD shielding gas kits include 10' of 3/16" ID approved hose with inert fittings. They feature the Harris time proven 301 flowgauge regulators to give precise control of the most common welding shielding gases up to 60 SCFH.

### DETAILS

**Capacity:** Medium/Heavy Duty

**Gauges:** 2" Steel

**Seat:** One-piece encapsulated seat design with internal filter and PTFE Teflon® seat

**Body:** Brass

**Diaphragm:** Neoprene

**Certifications:** UL® listed/CGA E-4

**Where Used:** Gas-shielded welding and other industrial gas applications

**Related Items:** 3/16" x 10' Inert Hose P/N: 4300138

**Weight:** 3.9 lbs./ 1.77 kg.



PART NO.	MODEL NO.	GAS	FLOW CAPACITY SCFH	COMPENSATED PSIG	MAX. INLET PSIG	SUPPLY PRESSURE GAUGE PSIG	INLET CONNECTION	OUTLET CONNECTION
4400229	301Ar-58010	Ar + Mixes	60	(N/A)	3000	4000	CGA 580	3/8" - 18 RH (F)
4400231	301CD-32010	CO <sub>2</sub>	60	(N/A)	3000	4000	CGA 320	3/8" - 18 RH (F)