

Inert Gas Guard Selection Chart

PROFESSIONAL TOOLS...
SUPERIOR RESULTS™



A LINCOLN ELECTRIC COMPANY

www.harrisproductsgroup.com

INERT GAS GUARD

Model 301- Flowmeter or Feeder Mount

PART NO.	MODEL NO.	MOUNTING STYLE	FLOW SETTING	INLET CONNECTION	OUTLET CONNECTION
3000326	301-80-IGG-032 without gauge	FLOWMETER	0-80 SCFH	5/8" - 18 MALE	5/8" - 18 R.H. FEMALE
3000328	301-80-IGGRF-032 with gauge	AT WIRE FEEDER	0-80 SCFH	5/8" - 18 FEMALE	5/8" - 18 R.H. MALE
3000340	301-80-IGGRFNG-032 without gauge	AT WIRE FEEDER	0-80 SCFH	5/8" - 18 FEMALE	5/8" - 18 R.H. MALE

Model 25- Cylinder Regulator

PART NO.	MODEL NO.	MOUNTING STYLE	FLOW SETTING	INLET CONNECTION	OUTLET CONNECTION
3000433	25-40-IGG-580	CYLINDER	ADJUSTABLE 0 - 40 SCFH*	CGA - 580	5/8" - 18 R.H. FEMALE
3000432	25-60-1GG-320	CYLINDER	ADJUSTABLE 0 - 60 SCFH	CGA - 320	5/8" - 18 R.H. FEMALE
3000431	25-80-IGG-580	CYLINDER	ADJUSTABLE 0 - 80 SCFH	CGA - 580	5/8" - 18 R.H. FEMALE

* Recommended for GTAW

Model 447- Pipeline Regulator

PART NO.	MODEL NO.	MOUNTING STYLE	FLOW SETTING	INLET CONNECTION	OUTLET CONNECTION
4000547	447-40-IGG-1/4	PIPELINE	ADJUSTABLE 0-40 SCFH*	1/4" - FNPT	5/8" - 18 R.H. FEMALE
4000546	447-80-IGG-1/4	PIPELINE	ADJUSTABLE 0-80 SCFH	1/4" - FNPT	5/8" - 18 R.H. FEMALE

* Recommended for GTAW



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P/N: 9500684 REV. B



ISO 9001
Certificate Number 30463



REDUCE SHIELDING GAS WASTE



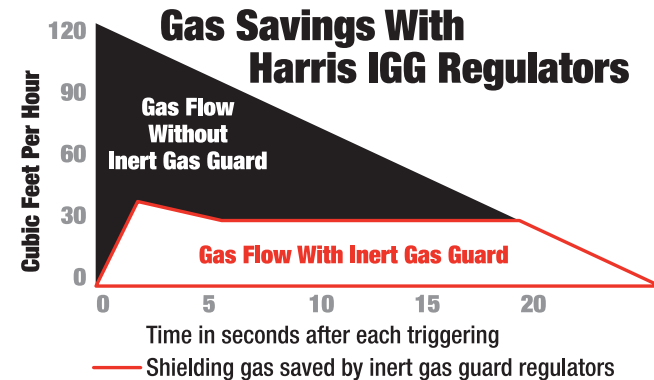
Harris Inert Gas Guard Regulators. You won't find a more reliable way to save shielding gas.



Harris Inert Gas Guard Regulators are designed to save shielding gases in two ways.

1 First, Inert Gas Guard Regulators reduce the gas surge when a MIG gun or TIG torch is activated. The gas surge is created by excess pressure trapped in the supply hose between the pressure control system and the valve or solenoid. Inert Gas Guard regulators lower the excess pressure on the supply hose and reduce the surge or gas waste when the gas system is activated.

2 Secondly, Inert Gas Guard Regulators deliver a more controlled flow rate. Operators tend to set shielding gas rates much higher than necessary for a welding operation. Inert Gas Guard Regulators can be set to deliver the precise amount of flow for the operation, eliminating this needless waste of shielding gas.

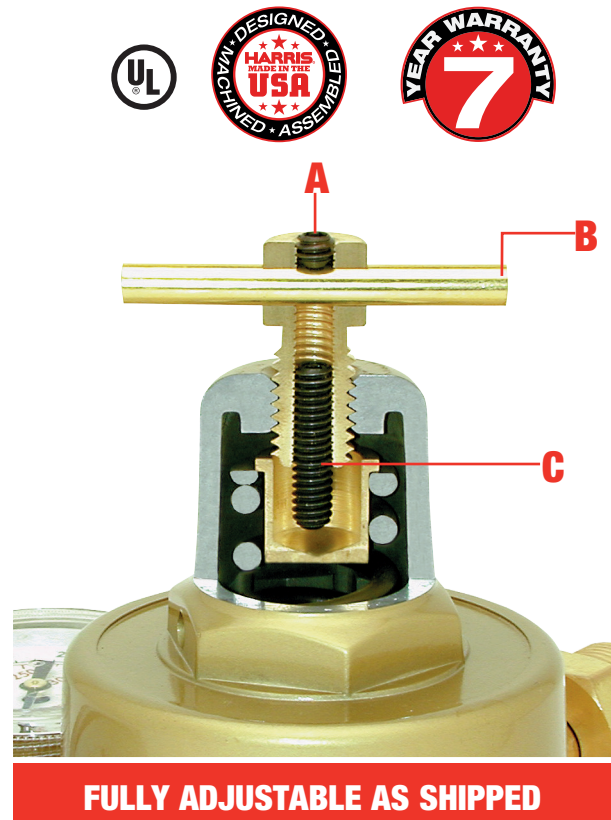


ALL HARRIS INERT GAS GUARD REGULATORS ARE SHIPPED WITH THE T-BAR FULLY ADJUSTABLE OVER THE DELIVERY RANGE

If preferred, you can set a flow limit. Remove set screw **A** and crossbar **B**. With gas flowing, set inner set screw **C** to desired flow rate. To prevent tampering, replace crossbar or install customer supplied padlock.



Customer supplied padlock prevents tampering



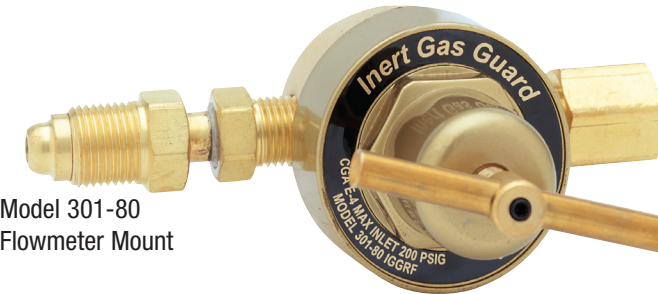
FULLY ADJUSTABLE AS SHIPPED



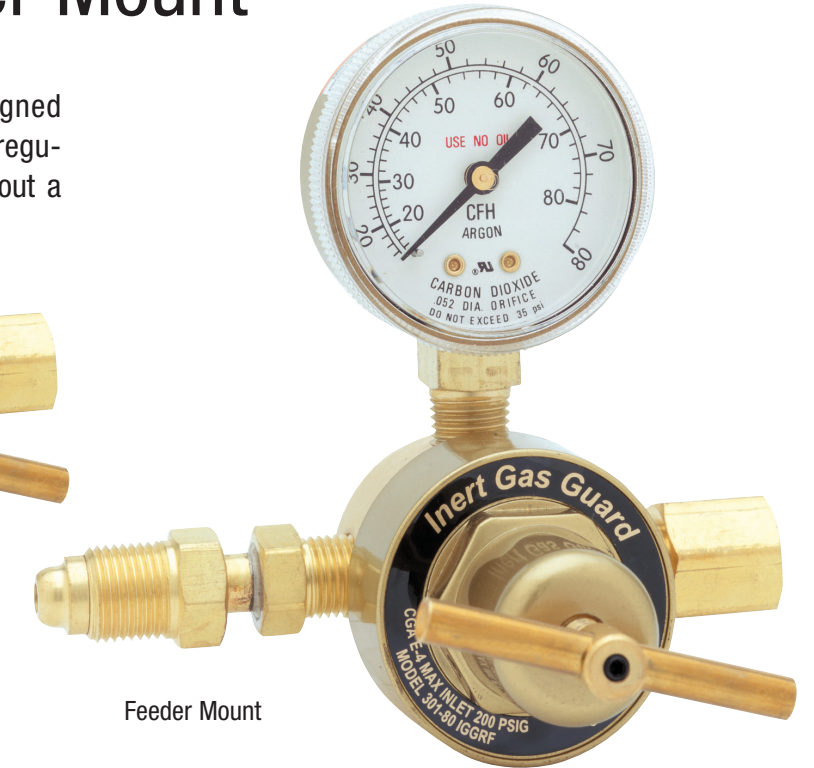
Flowmeter or Feeder Mount

MODEL 301

The Model 301-Inert Gas Guard Regulators are designed to connect to an existing flowmeter, flowmeter regulator or to a wire feeder. Available with or without a gauge.



Model 301-80
Flowmeter Mount



Feeder Mount

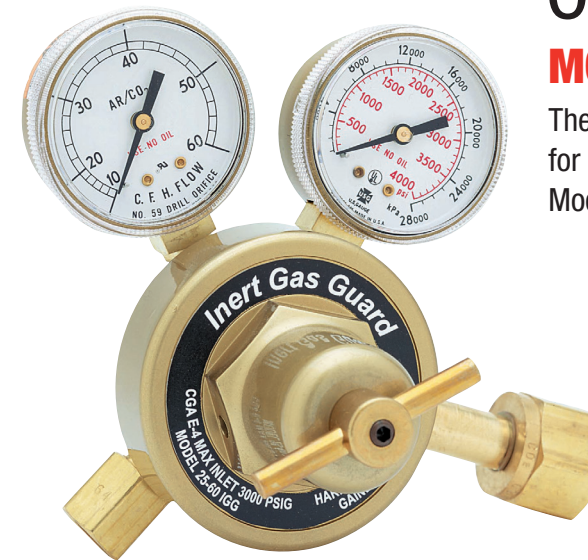
INERT GAS GUARD FEATURES

- Flows up to 80 SCFH.
- Compact, rugged design.
- One piece, encapsulated seat design.
- Adjustable, fixed, fixed maximum or fixed locked flow rates.
- Maximum flow at low inlet pressures

Cylinder

MODEL 25

The Model 25 Inert Gas Guard Regulators are designed for cylinders. Available in 320 and 580 CGA connections. Models available for Mig or Tig applications.



Pipeline

MODEL 447

The Model 447 Inert Gas Guard Regulators are designed for pipeline applications. Models available for Mig or Tig workstations.

