Inert Gas Guard
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.

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.

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

GAS SAVINGS WITH HARRIS IGG REGULATORS

GAS EXPULSED FROM SYSTEMS WITH CONVENTIONAL FLOWMETER SET AT TYPICAL EXCESSIVE FLOW RATE.

GAS EXPULSED FROM SYSTEMS WITH INERT GAS GUARD SET AND LOCKED TO GIVE 30 SCFH MAXIMUM FLOW.

TIME IN SECONDS AFTER EACH TRIGGERING

CUBIC FEET PER HOUR

0 10 20 30 40 50 60 70 80 90 100

Shielding Gas Saved By Inert Gas Guard Regulators

FULLY ADJUSTABLE AS SHIPPED
**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.

**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.
- 3-year warranty.

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

**MODEL 447**
The Model 447 Inert Gas Guard Regulators are designed for pipeline applications. Models available for Mig or Tig workstations.
### Model 301

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MODEL NO.</th>
<th>MOUNTING STYLE</th>
<th>FLOW SETTING</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000326</td>
<td>301-80-IGG-032</td>
<td>FLOWMETER</td>
<td>0-80 SCFH</td>
<td>5/8” - 18 MALE</td>
<td>5/8” - 18 R.H. FEMALE</td>
</tr>
<tr>
<td>3000328</td>
<td>301-80-IGGRF-032</td>
<td>AT WIRE FEEDER</td>
<td>0-80 SCFH</td>
<td>5/8” - 18 FEMALE</td>
<td>5/8” - 18 R.H. MALE</td>
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</tbody>
</table>

### Model 25 - Cylinder Regulator

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MODEL NO.</th>
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<th>FLOW SETTING</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000432</td>
<td>25-60-1GG-320</td>
<td>CYLINDER</td>
<td>ADJUSTABLE 0 - 60 SCFH</td>
<td>CGA - 320</td>
<td>5/8” - 18 R.H. FEMALE</td>
</tr>
<tr>
<td>3000431</td>
<td>25-80-IGG-580</td>
<td>CYLINDER</td>
<td>ADJUSTABLE 0 - 80 SCFH</td>
<td>CGA - 580</td>
<td>5/8” - 18 R.H. FEMALE</td>
</tr>
</tbody>
</table>

*Recommended for GTAW*

### Model 447 - Pipeline Regulator

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MODEL NO.</th>
<th>MOUNTING STYLE</th>
<th>FLOW SETTING</th>
<th>INLET CONNECTION</th>
<th>OUTLET CONNECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000547</td>
<td>447-40-IGG-1/4</td>
<td>PIPELINE</td>
<td>ADJUSTABLE 0-40 SCFH</td>
<td>1/4” - FNPT</td>
<td>5/8” - 18 R.H. FEMALE</td>
</tr>
<tr>
<td>4000546</td>
<td>47-80-IGG-1/4</td>
<td>PIPELINE</td>
<td>ADJUSTABLE 0-80 SCFH</td>
<td>1/4” - FNPT</td>
<td>5/8” - 18 R.H. FEMALE</td>
</tr>
</tbody>
</table>

*Recommended for GTAW*