The Welker IRA-4SS Probe Regulator is designed to regulate a gas sample stream to an analyzer without interrupting pipeline flow. With Al Control™, the probe automatically inserts and retracts using pipeline pressure.

**Features**
- Provides properly conditioned sample stream
- Insert and retract probe at full pipeline pressure
- Easily adjustable to multiple insertion depths
- Point of regulation occurs at the tip of the probe in the flowing stream
- Probe design inhibits creation of free liquids and mitigates the Joule-Thomson effect
- Diaphragm design for optimizing low-pressure output sensitivity

**Benefits**
- Proven safety with Al Control™ provides peace of mind
- Reduces line pack for analyzer applications
- Probe retraction design allows maintenance to be performed during continuous pipeline operation
- Design allows for easy installation and intuitive operation
- Transferable from location to location

**SPECIFICATIONS**
IRA-4SS PROBE REGULATOR

<table>
<thead>
<tr>
<th>Materials of Construction</th>
<th>316/316L Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seat Material</td>
<td>Teflon®</td>
</tr>
<tr>
<td>Seal Material</td>
<td>Viton®</td>
</tr>
<tr>
<td>Pipeline Connection</td>
<td>¾” MNPT</td>
</tr>
<tr>
<td>Outlet Connection</td>
<td>¼” FNPT</td>
</tr>
<tr>
<td>Output Range Options</td>
<td>0–25 psig</td>
</tr>
<tr>
<td></td>
<td>0–50 psig</td>
</tr>
<tr>
<td></td>
<td>20–100 psig</td>
</tr>
<tr>
<td>Insertion Length Options</td>
<td>12”</td>
</tr>
<tr>
<td></td>
<td>18”</td>
</tr>
<tr>
<td>Mounting</td>
<td>Vertical</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>2160 psig MAOP @ -20 °F to 120 °F</td>
</tr>
<tr>
<td>Probe Diameter</td>
<td>⅝” shaft</td>
</tr>
<tr>
<td>Industry Standards</td>
<td>Complies with API 14.1, GPA 2166, and ISO 10715</td>
</tr>
</tbody>
</table>
## STANDARD OPTIONS
IRA-45S AUTOMATIC INSERTION PROBE REGULATOR

<table>
<thead>
<tr>
<th>PIPELINE CONNECTION</th>
<th>INSERTION LENGTH</th>
<th>MATERIAL</th>
<th>OUTPUT RANGE</th>
<th>RELIEF</th>
<th>GAUGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRA</td>
<td>0</td>
<td>1</td>
<td>1A1A</td>
<td>2 or 3</td>
<td>1A1A0</td>
</tr>
</tbody>
</table>

- 3/4” MNPT
- A or B
- 316/316L Stainless Steel
- A, B, or C
- C, D, or L

### INSERTION LENGTH
- A: 12”
- B: 18”

### OUTPUT RANGE
- A: 0–25 psig
- B: 0–50 psig
- C: 20–100 psig

### RELIEF
- Determined by Output Range
  - A: 0–50 psig RV-1D (Output Range A or B)
  - B: 0–100 psig RV-1D (Output Range C)

### GAUGE
- Determined by Output Range
  - C: 0–30 psig (Output Range A)
  - D: 0–60 psig (Output Range B)
  - L: 0–100 psig (Output Range C)

For custom options, choose **Plus Welker™**.

Customer Inspired. Welker Manufactured.
Collaborate with us to create a custom product unique to your application.

### DIMENSIONS

```
"X"
["X" = (TRAVEL x 2) + 11”]
```

1/4” FNPT

CYLINDER VENT HOLE

Weight: 15 lb for 12”
17 lb for 18”

Weight and/or dimensions are approximate. Specifications subject to change without notice.