

# IRA-4SS Probe Regulator



The Welker IRA-4SS Probe Regulator is designed to regulate a gas sample stream to an analyzer without interrupting pipeline flow. With AI 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 AI 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

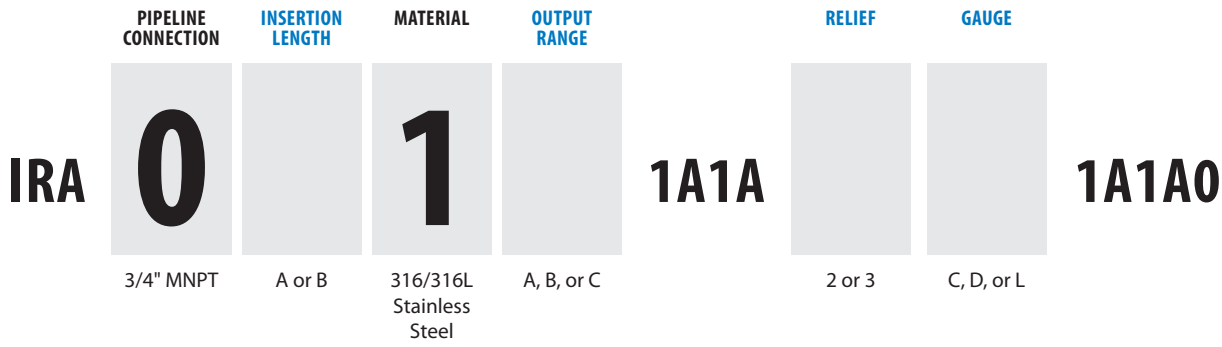
IRA-4SS PROBE REGULATOR

### IRA-4SS

Materials of Construction	316/316L Stainless Steel
Seat Material	Teflon®
Seal Material	Viton®
Pipeline Connection	¾" MNPT
Outlet Connection	¼" FNPT
Output Range Options	0–25 psig 0–50 psig 20–100 psig
Insertion Length Options	0–12" 0–18"
Mounting	Vertical
Operating Pressure	2160 psig MAOP @ -20 °F to 120 °F
Probe Diameter	⅝" shaft
Industry Standards	Complies with API 14.1, GPA 2166, and ISO 10715

# STANDARD OPTIONS

IRA-4SS AUTOMATIC INSERTION PROBE REGULATOR



**INSERTION LENGTH**

**A:** 0–12"  
**B:** 0–18"

**OUTPUT RANGE**

**A:** 0–25 psig  
**B:** 0–50 psig  
**C:** 20–100 psig

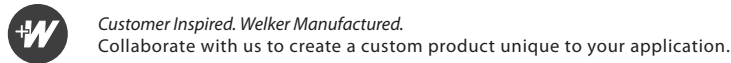
**RELIEF** *Determined by Output Range*

**2:** 0–50 psig RV-1D (Output Range A or B)  
**3:** 0–100 psig RV-1D (Output Range C)

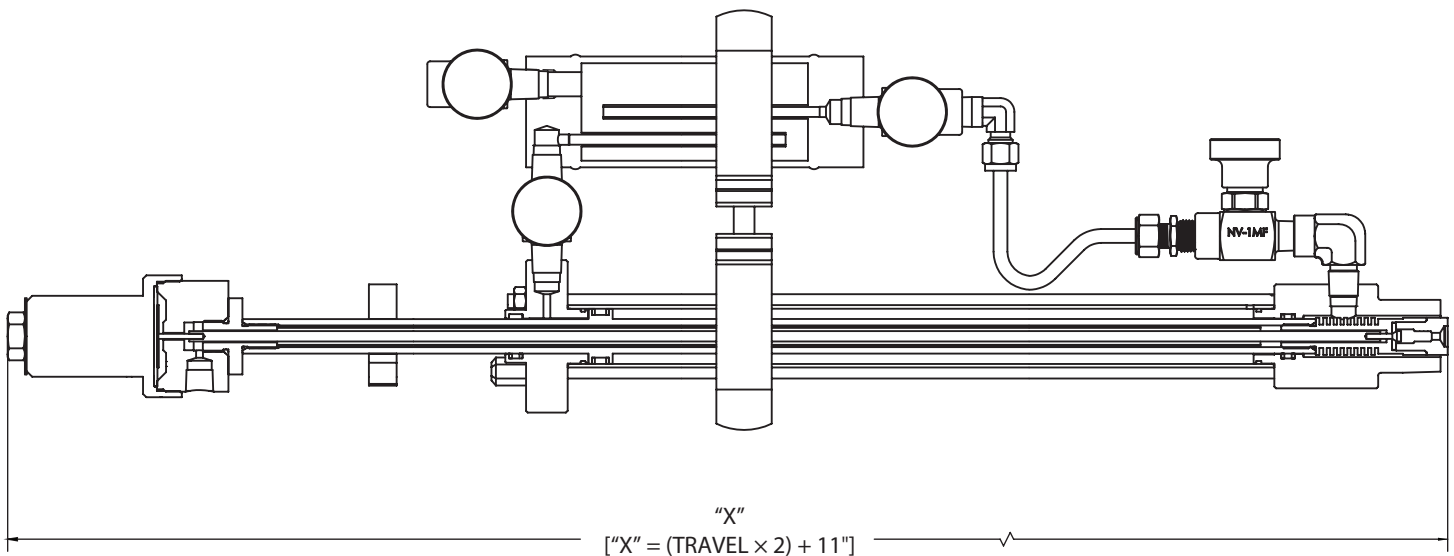
**GAUGE** *Determined by Output Range*

**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™**.



## DIMENSIONS



Weight: 15 lb for 12"  
17 lb for 18"

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

