

# 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	3/4" MNPT
Outlet Connection	1/4" FNPT
Output Range Options	0-25 psig 0-50 psig 20-100 psig
Insertion Length Options	12" 18"
Mounting	Vertical
Operating Pressure	2160 psig MAOP @ -20 °F to 120 °F
Probe Diameter	5/8" shaft
Industry Standards	Complies with API 14.1, GPA 2166, and ISO 10715

## STANDARD OPTIONS

IRA-4SS AUTOMATIC INSERTION PROBE REGULATOR

	HARDWARE	SEAT MATERIAL	TYPE	MATERIAL	OUTPUT RANGE	INSERTION DEPTH	PIPELINE CONNECTION	GAUGE AND RELIEF
IRA	<b>4S</b>	<b>T</b>	<b>O</b>	<b>X</b>			<b>B</b>	
	2160 psig operating pressure	Teflon®	Diaphragm	316/316L Stainless Steel	A, B, or C	12 or 18	3/4" MNPT	7, J, or 6

### OUTPUT RANGE

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

### INSERTION DEPTH

- 12:** 12"
- 18:** 18"

### GAUGE AND RELIEF

*Determined by output range*

- 7:** 0-60 psig, 0-50 psig RV-1D (*Output Range: A*)
- J:** 0-60 psig, 0-100 psig RV-1D (*Output Range: B*)
- 6:** 0-160 psig, 0-100 psig RV-1D (*Output Range: C*)

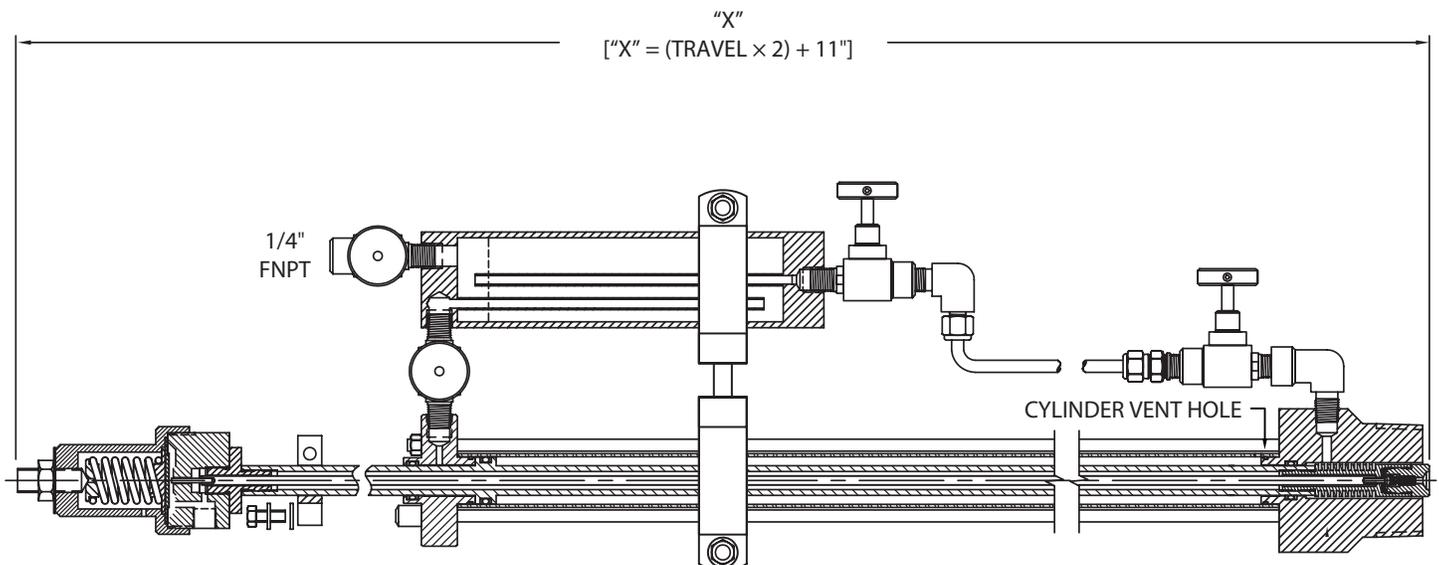
For custom options, choose **Plus Welker™**.



*Customer Inspired. Welker Manufactured.*

Collaborate with us to create a custom product unique to your application.

## DIMENSIONS



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

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

