Instrumentation Products

IR-4 Regulator

- Diaphragm design for increased low-pressure sensitivity
- Spring range: 0-25 psig (0-1.7 bar)
  0-50 psig (0-3.4 bar)
  20-100 psig (1.4-6.9 bar)
- Available in high-strength aluminum (7075-T6) or 316 stainless steel
- 3,600 psig (248 bar) maximum inlet pressure
- Teflon® seat (Kel-F® seat optional)
- ¼" NPT ports standard
- CV .138 (downstream relief required)

IR-1T Regulator

- Diaphragm design for increased low-pressure sensitivity
- Spring range: 0-25 psig (0-1.7 bar)
  0-50 psig (0-3.4 bar)
  20-100 psig (1.4-6.9 bar)
- Available in high-strength aluminum (7075-T6) or 316 stainless steel
- 3,600 psig (248 bar) maximum inlet pressure
- Teflon® seat (Kel-F® seat optional)
- ¼" NPT ports standard
- CV .092 (downstream relief required)

IR-1TP Regulator

- Output range 20-200 psig (1.4-13.8 bar)
- Piston design for higher-output pressures
- 316 stainless steel construction
- 5,000 psig (345 bar) maximum inlet pressure
- Teflon® seat (Kel-F® seat optional)
- ¼" NPT ports standard
- CV .092 (downstream relief required)

IR-2KP Regulator

- Output range 100-500 psig (6.9-34.4 bar)
- Piston design for higher-output pressures
- 316 stainless steel construction
- 5,000 psig (345 bar) maximum inlet pressure
- Kel-F® seat
- ¼" NPT ports standard
- CV .092 (downstream relief required)

IR-6KP Regulator

- Output range: 250-1,500 psig (17-103 bar)
- Special piston design for higher output pressures
- 316 stainless steel construction
- 5,000 psig (345 bar) maximum inlet pressure
- Kel-F® seat
- ¼" NPT ports standard
- CV .092 (downstream relief required)

RV-1 Relief Valve

- For moderate capacity applications
- 0-200 psig (0-1.4 bar) range
- Male ¼" NPT inlet, other sizes available
- Optional female ½" NPT outlet, model RV-1D
- 316 stainless steel construction
- CV .890

RV-2 Relief Valve

- For high-pressure, low-capacity applications
- 0-2,000 psig (0-138 bar) range
- Male ¼" NPT inlet, other sizes available
- Optional male ¼" NPT outlet, model RV-2S
- 316 stainless steel construction
- CV .033

RV-3D Relief Valve

- For low-pressure, high-capacity applications
- 0-200 psig (0-1.4 bar) range
- 316 stainless steel construction
- 1" NPT outlet
- CV 1.18

CV-1 Check Valve

- ¼" NPT inlet, male and female
- 316 stainless steel construction
- Check valves are available in any combination of port sizes and types

Specifications subject to change without notice.
Drawings/Photos may be shown with optional equipment.

Welker® ... When Excellence Counts!

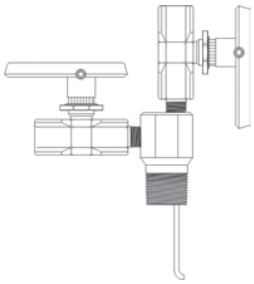
SP-2 Standard Probe

- Permanently fixed probe (specify length desired)
- 316 stainless steel construction
- ½", ¾" or 1" NPT pipeline connection standard, other sizes available
- Complete with large port outlet valve
- Available without outlet valve (model SP-1)
- ¼" NPT outlet standard, other sizes available

AP-3 Adjustable Probe

- Adjustable probe length (specify maximum length desired, insertion length permanently determined upon initial installation)
- May be manually inserted against line pressures up to 1,000 psig (69 bar)
- Easily retracted to allow passage of pigs or other pipeline equipment
- 316 stainless steel construction
- ½", ¾" or 1" NPT pipeline connection standard, other sizes available
- Complete with large port outlet valve
- ¼" NPT ports standard, other sizes available

PP-2 Pitot Probe

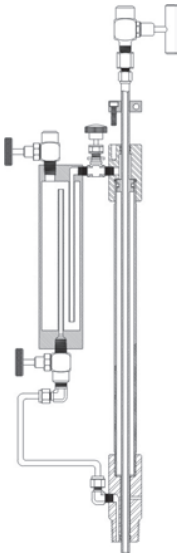


- Outlet and return ports provided for hot-loop operation
- Permanently fixed probe (specify length desired)
- 316 stainless steel construction
- 1" NPT pipeline connection standard, other sizes available
- Complete with full open outlet and return valves
- Available without valves (model PP-1)
- ¼" NPT outlet and return standard, other sizes available

PP-2FX Flanged Pitot Probe

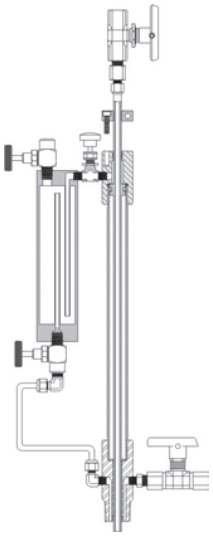
- Flanged pipeline connection available in any type flange, any size, in any ANSI rating
- Outlet and return ports provided for hot-loop operation
- Outlet and return ports available in any NPT size or flanged
- Probe designs available for extremely high velocity flowing streams
- Maximum working pressure per your specifications
- 316 stainless steel construction standard, other materials available

AIP-1 Automatic Insertion Probe



- Automatic insertion feature utilizes pipeline pressure to automatically insert the probe into a pressurized line
- Automatic retraction from a pressurized line allows the passage of pigs or other pipeline equipment
- May be retracted and completely removed from a pressurized line with the use of an isolation valve
- 316 stainless steel construction
- 1" NPT pipeline connection standard, other sizes available
- Complete with large ported outlet valve
- ¼" NPT ports standard, other sizes available
- 2,160 psig (149 bar) maximum working pressure
- Higher pressures available upon request

AIPP-1 Automatic Insertion Pitot Probe



- Automatic insertion feature utilizes pipeline pressure to automatically insert probe into a pressurized line
- Automatic retraction from pressurized line allows the passage of pigs or other pipeline equipment
- May be retracted and completely removed from a pressurized line with the use of an isolation valve
- Outlet and return ports provided for hot loop operation
- 316 stainless steel construction standard, other materials available
- 1" NPT pipeline connection standard, other sizes available
- Complete with full open outlet and return valves
- ¼" NPT outlet and return standard, other sizes available
- 2,160 psig (149 bar) maximum working pressure
- Higher pressures available upon request

Welker gas samplers are available with provisions for a sample hot loop. Welker pitot probes are designed to provide a positive flow through the hot loop.

Manufactured under U.S. Patents:

5,756,906 6,338,359
5,936,168 6,827,486
6,085,777

13839 West Bellfort • Sugar Land, TX 77498-1671
Telephone: (281) 491-2331 • Toll Free: (800) 776-7267 • Fax: (281) 491-8344
Sales Email: Sales@welkereng.com • Web Site: www.welkereng.com