

PPAIR - PRESSURE ASISTED INSERTION REGULATOR

EnPro PPAIR Pipeline Insertion Regulators have been designed to be fully inserted and retracted from the pipeline using pressure assistance that enables easy and safe operation that can be carried out by one person, without the need for special tools.

The EnPro PPAIR is an insertion Probe Regulator that provide a regulated sample supply to H₂S analyzer's, gravimeters, chromatograph's calorimeters, moisture analyzer's, instrument gas take-offs, and other on line analysing equipment.

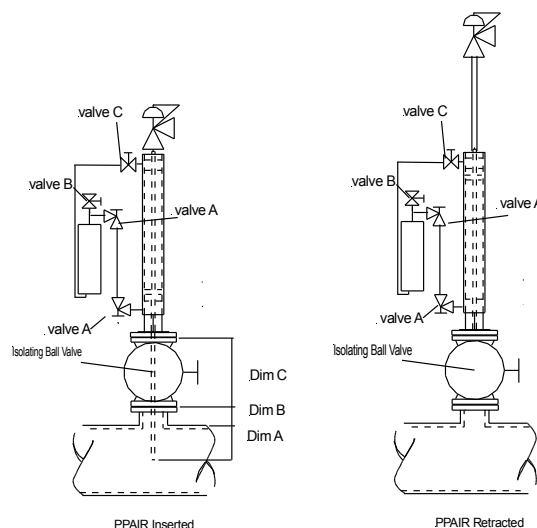


By taking the pressure drop at the tip of the probe, inside the pipe, the Joule-Thompson effect is minimised or eliminated. Thus a dry sample is generated. Essential for on-line analysers.

The PPAIR is fully adjustable over it's entire

insertion length.

If pipeline pressure source is not available or suitable for insertion assistance, a supplementary gas supply can be used.



Specifications:

Pressure Temperature rating: 1500 ANSI

Outlet Pressure: 0 – 18,000 kPa

Connections

1" MNPT connection standard. 3/4" and 1/2" available. Flanged connection available up to 1500 ANSI in RF, RTJ, etc. Connections Process connection 1/4" FNPT.

Insertion Length:

500 mm. then in increments of 250 mm to 2000 mm

Construction & Materials:

- 316 stainless steel,
- Viton elastomers (std)
- PTFE/PEEK seat.
- Diaphragm:- large area, moulded Viton with PTFE protector for greater downstream accuracy and prevention of di-urinal effect on moisture analysers
- Inlet filter 30 microns

ISO 9001

BUREAU VERITAS
Certification



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- Bolted bonnet. for ease of assembly and sealing integrity
- Bubble tight to ANSI/FCI 70-3-2004
- To assist the reduction of forces generating vortex shedding, the helical transition tube acts an aerodynamic stabiliser.

Capacity:

Cv: 0.06

Options:

Silconert treatment (inhibits sulphur and mercury ingress)

Speciality tips for liquids and particulates (pre and post regulation)

Large diameter shaft – to suit pipeline conditions.

Heated version available

Weight

(Standard 1" NPT, 500 mm insertion) 7.2 kg.

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