

# EnPro

## PPAI(R) - PRESSURE ASSISTED INSERTION PITOT PROBE & REGULATOR – Horizontal Mounting

EnPro Pipeline Insertion, Pitot Probes and 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 normal and preferred mounting for the probes is vertically.

There are circumstances where this is not possible and horizontal mounting is required.

There is no fundamental difference in the components or operation. For IO&M manuals. Refer to the standard publication reference.

### Installation

For horizontal mounting the probe should be no more than 90 deg. From vertical, further rotation will possibly create problems with the use of insertion regulators and possible condensate accumulation. It is desirable and sometimes necessary, depending on the length of the probe, to install a support for the probe

### Oil pot.

For horizontal mounting the oil pot has to be rotated. The Oil Pot will be mounted on the lower cylinder flange.

The support bracket and tubing will be modified to suit the horizontal probe mounting.

The PPAIR is fully adjustable over its 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:** 20 – 18,000 kPa

### Connections

1" MNPT connection standard.  $\frac{3}{4}$ " and  $\frac{1}{2}$ " available. Flanged connection available up to 900 ANSI in RF, RTJ, etc.

Process connection  $\frac{1}{4}$ " FNPT.

### Insertion Length:

500 mm. then in increments of 250 mm to 1900.

### Weight

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



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