

PAM ADJUSTABLE PROBE

ABOUT US

Since 1991, Haldatec has been providing products and services to the Oil, Gas and related industries in Australia, Pakistan, Singapore, Papua New Guinea, India and New Zealand.

ENPRO

Our house product label, EnPro, has been developed to complement our core business and has been driven by customer needs. Our comprehensive range includes innovative designs, adaptations and applications introduced to solve problems for our customers.

STANDARDS

To ensure we provide the best possible support for our customers and suppliers, we have certification to ISO9001:2015.

The fully adjustable PAM sample probe is designed to be inserted and withdrawn manually into a pressurised pipeline. The depth of insertion can be set at any desired length.

A locking collar is used to "lock" the sample probe at the desired insertion length using two bolts to tighten the collar. To retract the sample probe from the line, or to make adjustments to the probe insertion length you simply loosen the two locking bolts and re-position the probe length as required. For sampling, the end of the tube should be set within the centre third of the pipeline. For injection quills insertion should be the centre of the pipeline.

INSERTION FORCE

Using the table as a guide, the probe may be inserted with the pipeline under pressure, providing the force required to insert the probe is not too great. Insertion of the probe above recommended force guidelines may pose risk to personnel and or equipment and is not recommended. If the force required is too great, it will be impossible to insert the probe under pressure, or there is a danger that the probe could be damaged/bent. The recommendation is that no more than 30kg force is used.

Line Pressure MPa	Force in kg required to insert			
Tube size	1/4"	3/8"	1/2"	5/8"
1	3.6	8.1	19.5	22.3
3	10.9	24.5	43.6	68.1
5	18.2	41	72.3	113.5
7	25.4	57	101.7	159

PROBE OPTIONS

Tube ends can be straight, 45° or 90°. Special purpose ends can be supplied as well. The tip of the probe will have mechanical stop to prevent complete withdrawal of shaft and prevent personal injury / uncontrolled release or product. A detent (or ferrule if the tube has a 45° chamfer), is fixed on the end of the tube to prevent the tube being entirely withdrawn.

If the end of the tube has a chamfer or 90° end, the upstream direction of the tube is indicated with an arrow engraved on the upstream side, at the end of the tube.

The probes are available as either a sample probe (fitted with an isolation ball valve), or as an injection probe (fitted with both an isolation valve and an inline check valve).



SPECIFICATIONS

Process connection thread sizes	1/2", 3/4" and 1"
Tube sizes	1/4", 3/8", 1/2", 5/8" (available with 1" thread only)
Material of construction	316SS, Viton/PTFE o-ring seals
Pressure rating	600 ANSI (std) 1500 ANSI (HP version)

Haldatec

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