

EnPro

Adjustable Sampler Probe Model IP6 & IP10

The IP adjustable sample probe is designed to be inserted and withdrawn manually into a pressurised pipeline.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 gland once set, locks the probe at a set insertion length. After this has been set the tube can then be retracted by removing the locknut and loosening off the locking gland. For sampling the end of the tube should be set within the centre $\frac{1}{3}$ rd of the pipeline.

The probe may be inserted with the pipeline under pressure providing the force required to insert the probe is not too great. 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 30 kg force is used.

Insertion Force

The following table should be used as a guide.

Line pressure MPa	Force in kg required to insert 1/4" tube	Force in kg required to insert 3/8" tube
1	3.6	8.1
3	10.9	24.5
5	18.2	41
7	25.4	57

Tube ends can be straight, 45° or 90°. Special purpose ends can be supplied as well. 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detent (or, ferrule if the tube has a 45° chamfer), is fixed on the end of the tube to prevent the tube being entirely withdrawn.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.

Specific insertion lengths can be supplied or users can cut the tube to suit the installation. The insertion length can be tagged or engraved on the unit as an option.



IP10 Probe

Specifications:

Thread sizes: 1/2", 3/4", 1"

Tube sizes: 1/4" and 3/8" (available with 1" thread only)

Material of construction: all stainless steel Ferrules Nylon (std) or TFE.



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