

## PAM ADJUSTABLE PROBE

The fully adjustable PAM sample probe is designed to be inserted and withdrawn manually into a pressurised pipeline.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  $\frac{1}{3}$  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"	3/8"	1/2"	5/8"
<b>tube size</b>	<b>1/4"</b>	<b>3/8"</b>	<b>1/2"</b>	<b>5/8"</b>
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

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A detent (or ferrule if the tube has a 45° chamfer), is fixed on the end of the tube to prevent the tube being entirely withdrawn.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.

The PAM 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" & 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)



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