

LXA – SAMPLE PROBE / HANDLING SYSTEM

ABOUT US

Since 1990, 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 EnPro LXA is a sample probe conditioning system specially designed for analysers.

Due to differential (pressure) caused by the sample inlet taken from the centre third of the pipeline and the return (outside edge of the pipe) a fresh representative sample is always available to the regulator.

This hot loop design will return liquids to the pipeline when rejected by the membrane at up to 200cc per minute based on 1.3 kPa differential pressure.

BENEFITS

- Eliminates the need for external catch pots and drains.
- Complete sample line and analyser protection located at the tapping point.



FUNCTION

The system is designed to gather a representative sample to remove free liquids and deliver a low pressure gas sample to the analyser. An automatic liquid shut-off is used to prevent liquids carry over.

FEATURES

The pitot style sample probe will collect a sample from the stream of gas. Any free liquids present are removed by a Liquid Eliminator membrane. The liquids are returned to the pipeline via the hot loop.

A heated pressure regulator heats the sample gas at the point of pressure reduction to overcome the Joule-Thompson effect. It has IECEx Ex d IIC T3 local hazardous area certification. 240 VAC power, 100 watt power.

If liquids pass through the membrane and regulator, the automatic liquid shut-off will shut in the sample ensuring no liquids reach the analysers.

SPECIFICATIONS

Materials	All parts 316 stainless steel, Teflon or Viton. Optional Silcotek coating available
Working pressure	Standard pressure – 10.1 MPa Available to 24.8 MPa

OPTIONS

- One piece/screwed flanged connection.
- Automatic insertion
- Higher working pressure
- 150 watt manifold
- Double block and bleed isolation valves for the Liquid Eliminator

ORDERING INFORMATION

- Fixed or automatic insertion
- Pipe size, connection, rating and stand-off details
- sample outlet pressure
- gauge and relief valve