



# Gas/Liquid Separation

– producing clean gas and clean liquid in-line, at pressure

## What is it?

A compact in-line system to separate gas and liquid, using Caltec's patented I-SEP<sup>®</sup> technology making a very compact, reliable separator with no moving parts. The system is lightweight, simple to operate and requires no additional power input, utilising only the energy from the incoming process stream to impart centrifugal forces to the process fluids.

Simple, reliable – no moving parts, low maintenance. I-SEP is ideal for unmanned platforms and sub-sea applications.

## How it Works

The I-SEP separates the gas and liquid with the carry-over going to a knock-out vessel (KOV) for total separation.

The system also acts as a buffer for irregular flow rates, catching the 'slugs'.

## Benefits

- Small pressure drop, typically less than 1 bar
- Compact and lightweight
- Ability to operate at full system pressure
- Easy to install and operate – no active control
- Simple, reliable – no moving parts, low maintenance
- Enhanced safety from low fluid inventory
- Removes dissolved gas
- Buffers irregular flows - catches the 'slugs'

*Why not come and see it for yourself at the Caltec demonstration labs?*

***Seeing is believing***

