

# INSTRUMENTATION HOOK-UP SOLUTIONS LEAK PATH REDUCTION



## An alternative approach to traditional instrumentation engineering challenging traditional field hook-up assemblies with progressive field-proven technologies.

Responding to industry needs for reducing the risk of potential hydrocarbon releases and focus on cost optimisation, Hydrasun has introduced an alternative approach to traditional instrumentation engineering.

Hydrasun provides an easily measurable and quantifiable solution which ultimately improves the integrity of the instrumentation hook-up and significantly reduces potential leak paths and is suitable for both brownfield and greenfield applications.

Our approach to instrumentation engineering is to identify the optimum design solution for the customer and offer a suite of products that simplify the instrument hook-up assembly.

Whereas traditional methods have a large number of interfaces and rely heavily on small bore tubing which has been found to be prone to corrosion, Hydrasun's innovative designs and bespoke product solutions focus on improved technical integrity, HSE performance and operational reliability:

- Reduction in interfaces and potential hydrocarbon release
- Faster and more economical installation
- Reduction in tubing and instrumentation component requirements

### Leak Path Reduction through:

- Eliminating number of interfaces
- Reducing dependency on NPT threaded connections
- Dramatically reducing the small bore tubing requirement

### Cost Optimisation through:

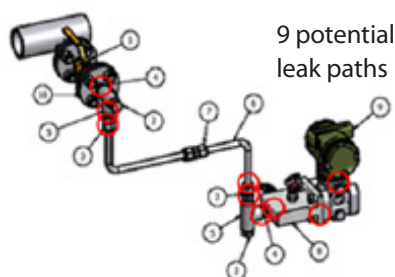
- Ease and speed of install

### An Example:

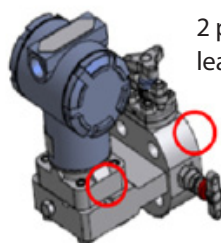
#### Traditional Installation

Vs

#### Close Coupled Installation



9 potential leak paths



2 potential leak paths

Indicative Components Costs: £420\*  
Cost of Installation: £1,368\*\*  
**Total: £1,788**

Indicative Components Costs: £650  
Cost of Installation: £342\*\*\*  
**Total: £992**

#### Result

- 78% reduction in interfaces
- 75% reduction in construction/installation time
- 45% reduction in cost

\* Based on 316 stainless steel

\*\* Based on 2 people x 12 hours each install and test @ £57/hr per person

\*\*\* Based on 2 people x 3 hours each install and test @ £57/hr per person