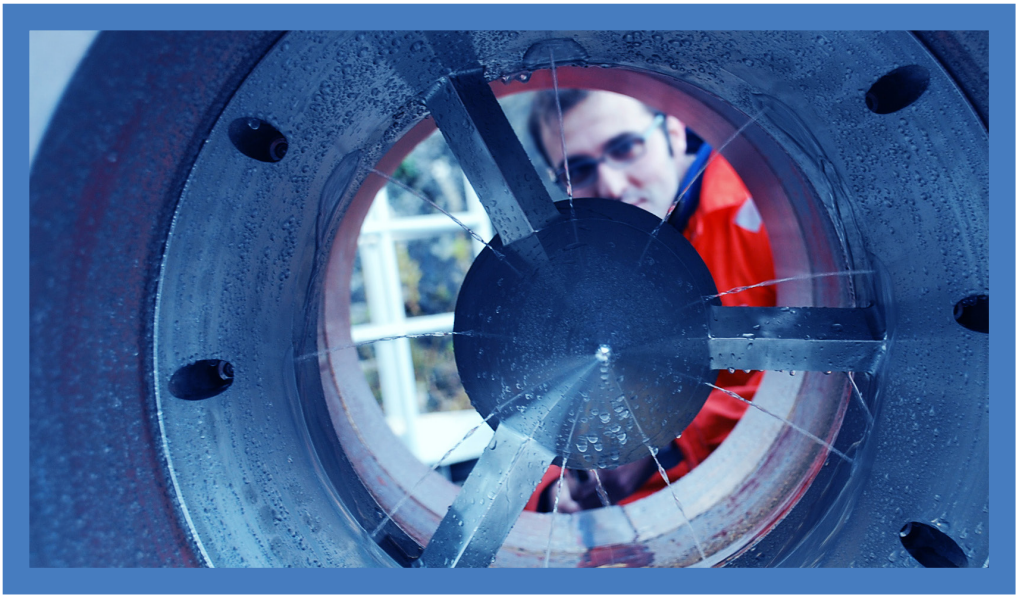
ProSep

ProDry™

ProDry™ is primarily used in the glycol dehydration process for the removal of water from gas flows as a smaller alternative for conventional contact towers.



ProSep's mixing technologies differ from traditional inline mixing technologies as they utilize main stream momentum by reducing open flow area and increase flow velocity, resulting in a high mixing driving force.

The key component of the **ProDry™** system is it's injection mixer which achieves efficient mass transfer between glycol and gas containing H_2O.

The systems internal geometry provides extremely efficient mixing with a low pressure drop, typically below 0.3 bar. Optimal at high pressure and flow rate conditions, **ProDry™** can reduce footprint, weight and operating expenditures.

This compact technology is ideal to improve capacity of existing systems or as a new stand-alone system when moderate dew point reductions are required.

FEATURES

+ Compact inline system; easy to install at any pipe angle
+ Small footprint and low installation weight
+ Feasible for high pressure applications (<100 barg)
+ Debottlenecking & retrofit of exisiting gas dehydration systems

BENEFITS

+ Exceptionally efficient mixing with low pressure drop (0.03 to 0.3 bar)
+ High gas flow rate in co-current contactor, leading to zero foaming and flooding
+ High turndown ratio in glycol injection rate
+ Increased dewpoint reduction for existing systems

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