



Sidestream Blending Module

Due to environmental and oil reserve reasons, it is no wonder consumers are demanding an increase in availability of biofuels at retail outlets. The increasing public acceptance of ethanol vindicates the development of infrastructure for the supply of blended fuel for the domestic market.

Diamond Key International have developed a solution which blends product at the loading bay in order to meet customer demand. The new Sidestream Blending Module is suitable for the measurement and control of a single biofuel blend stream into existing loading gantries.

We understand available space at the load rack for blending systems may be severely limited therefore the Module has been designed with this in mind and has the ability to be incorporated into existing infrastructure. The new module is installed adjacent to existing custody control metering components in a typical loading bay, and hydraulically connected into the main product line via a static mixer, upstream of the main product metering system. The static mixer ensures homogenous mixing of the blend prior to metering and control into the vehicle.

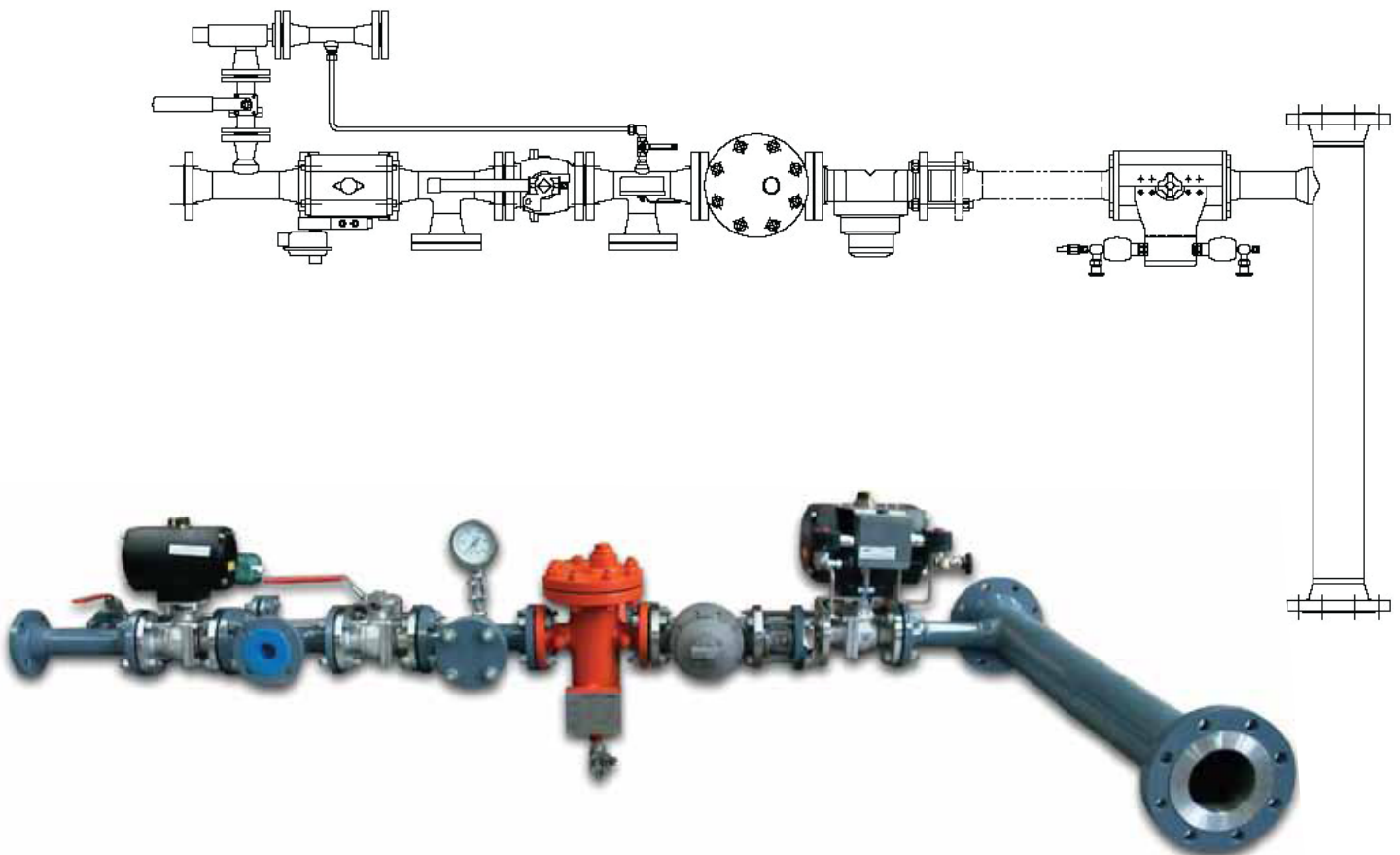
Side stream blending is a cost effective form of blending which is performed and completed in minimum loading time. The desired ratio blend is achieved within $\pm 1\%$, with the design also allowing recipe flexibility for biofuel blend ratios. Consult your DKI Sales Representative for further information.

The Side Stream Blending Module is supplied as a 'retro-fit kit', fully assembled and pressure tested for ease of installation causing minimum interruption to the current loading operation and includes General Arrangement drawings, Typical Instrumentation Connection and Termination diagrams. All manufacturing and fit out disciplines are completed, inspected and tested under AS/NZS ISO9001:2008 quality controlled procedures at DKI works.

DKI prefer, but are not dependant on, the use of AccuLoad controllers as they encompass a fully integrated controlled blending system which has been tried and proven. However, if customers require an alternative load controller, DKI have the knowledge and experience to accommodate other brands.

The Module is fully integrated into DKI's Omega Terminal Automation System which manages the recipe for the blend. The user can define any number of different ratios which can be delivered as part of any load.

DKI offers the Side Stream Blending Module as a proven 'standard package', however as a 'Solutions Provider', DKI can also tailor a design to suit your individual requirements.



Mutual Success Through Teamwork With Customers

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