

High Performance Low Flow Liquid Distribution

Liquid distributors for demanding services.

Many applications such as vacuum distillation, tall oil, vitamin production and natural gas dehydration have very low liquid rates that challenge good liquid distribution. Koch-Glitsch developed two innovative liquid distributors that are specifically designed for these demanding services. The unique flow multipliers incorporated into each distributor allow the use of a lower primary drip point density. This results in reasonable orifice sizes and sufficient liquid head to ensure proper liquid distribution.

These distributors are specifically designed to be used with high performance FLEXIPAC® HC® structured packing and INTALOX® structured packing. Discrete drip points are replaced with continuous curtains of liquid that ensure every sheet in the structured packing is wetted. The usable packing surface area and efficiency is maximized. The INTALOX® Packed Tower Systems approach using high performance liquid distributors and structured packing is the preferred solution to many demanding distillation services.

Model 166 Dual Trough Liquid Distributor

- Flows as low as 0.05 gpm/ft² [0.12 m³/h/m²]
- Secondary trough spreads liquid and feeds enhanced baffle
- Allows increased spacing of the orifices in the primary trough
- Provides low liquid entrainment
- Patent pending



**Model 166 Dual Trough Liquid Distributor
Bed Supported**

Model 196 Packed Trough Liquid Distributor

- Flows as low as 0.03 gpm/ft² [0.07 m³/h/m²]
- Secondary trough with structured packing spreads liquid and acts as flow multiplier
- Allows 50% reduction of primary troughs
- Allows increase in orifice spacing
- Used with structured packing
- Used in liquid-liquid applications
- Provides low liquid entrainment
- Patent pending



**Model 196 Packed Trough Liquid Distributor
Beam Supported**

INNOVATION

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For related trademark information, visit <http://www.koch-glitsch.com/trademarks>.
The following technologies have patents pending: Models 166 and 196 liquid distributors.

