

BRIDGING THE GAP BETWEEN  
CAPACITY & EFFICIENCY



Introducing the ALL-NEW

INTALOX<sup>®</sup> ULTRA<sup>™</sup> PACKING

**KOCH-GLITSCH**

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In a market that is constantly pushing for more capacity, you have some options:

- ▶ Change from conventional to high performance random packing.
- ▶ Install a larger size high performance random packing (while sacrificing efficiency).
- ▶ Build a bigger tower.

## What if you had a better option?

# Introducing the all-new **INTALOX® ULTRA™** Random Packing

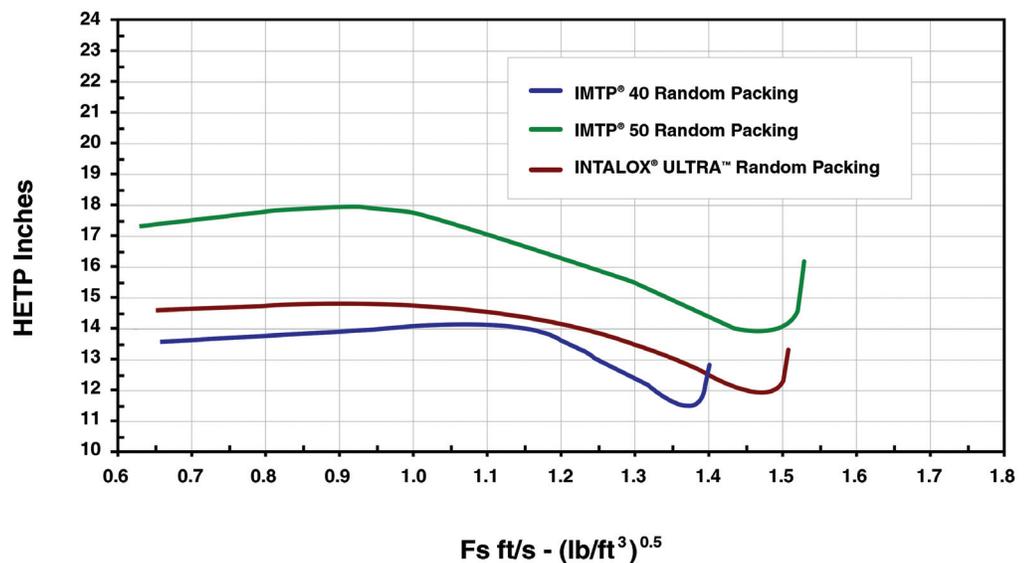
Bridging the gap between capacity and efficiency.



Total Reflux, hexane isomers, 85 psia

### Superior performance in your application

INTALOX® ULTRA™ random packing will help you increase the capacity of your tower by up to 10% while maintaining the same efficiency as your current packing, when compared to current state-of-the-art random packings.



### Highest efficiency and capacity

The relative efficiency vs. capacity plot clearly shows the superior performance offered. INTALOX® ULTRA™ packing provides exceptional efficiency over a wide flow range and reduces energy consumption for revamps.

# INTALOX ULTRA random packing provides the lowest pressure drop and the highest capacity and efficiency.

## Innovative Design

The innovatively designed structure provides the highest effective surface utilization of any random packing available.

## High Strength to Weight Ratio

Great strength is provided by integral stiffening ribs and arches, yet weight is kept low to permit greater allowable bed depth.

## Superior Performance

INTALOX ULTRA packing is particularly suited for medium to high-pressure applications with high liquid rates.

- ▶ If your acid gas absorber is capacity limited, gain up to 10% in throughput capacity with no decrease in acid gas removal by replacing 1.5 inch rings with INTALOX ULTRA packing.
- ▶ If you need more separation efficiency in your demethanizer, replace 2 inch rings with INTALOX ULTRA packing to achieve an efficiency gain of up to 20% with no decrease in capacity.

How do you create a high capacity random packing that combines the capacity of a larger IMTP packing size with the efficiency of a smaller IMTP size?

With 30 years of experience in developing, commercializing, and supplying the market-leading IMTP random packing, Koch-Glitsch engineers developed a clear understanding of the mass transfer and pressure drop characteristics of random packing.

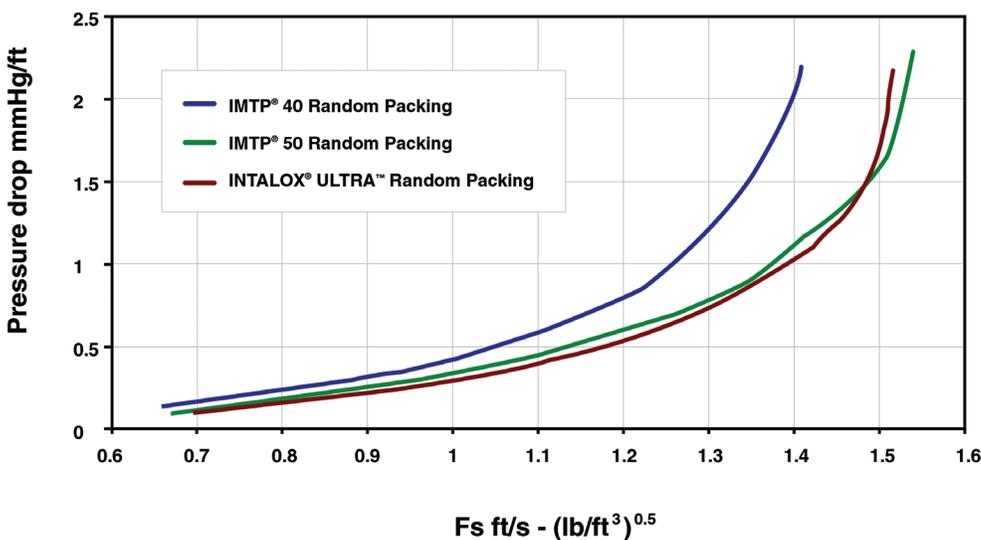
Going back to mass transfer principles and carefully investigating the important features required in a random packing, our research and development team produced a blueprint of the ideal random packing. This process resulted in an innovatively designed structure that effectively uses all the surface area while eliminating unnecessary material.

In addition to normal Air/Water tests at atmospheric pressure, Koch-Glitsch tested INTALOX ULTRA packing at high pressure and high liquid rates to replicate the actual conditions in which the product will be used.

The tests show that INTALOX ULTRA packing has efficiency similar to IMTP<sup>®</sup> 40 packing and the capacity of IMTP<sup>®</sup> 50 packing.

Our development team continues to expand the INTALOX<sup>®</sup> ULTRA<sup>™</sup> packing family to provide you with the best options for your tower.

Total Reflux, hexane isomers, 85 psia



## Lowest pressure drop and high capacity

- ▶ Allows smaller diameter for new columns
- ▶ Reduces energy consumption for revamps
- ▶ Reduces foam generation

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### Patents

INTALOX ULTRA technology has various patents pending. IMTP technology is covered by a registered patent.

### Legal Notice

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Bulletin KGIU-01. Rev. 6-2010. Printed in USA.  
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