

# Choice and Application of Koch-Glitsch High Capacity Structured Packings

Each type of Koch-Glitsch structured packing has strong performance characteristics. Under certain conditions or in specific applications, each has a particular strength which may make one style more desirable. Considerations in choosing a specific structured packing type are:

- To meet specific process requirements
- As a direct replacement of an existing packing
- Familiarity with the packing type and its performance
- Past experience of using a specific packing type in a particular application
- Specified for use in a licensed process

With more than thirty years of history, FLEXIPAC structured packing continues to be a strong performer in applications where the incremental capacity increase of high performance structured packing is not required.

When choosing a high capacity structured packing, FLEXIPAC HC and INTALOX structured packings each offer distinct advantages, depending upon the application. Through its wetting and liquid handling characteristics, the patented, aggressive surface texture of the INTALOX structured packing offers extremely efficient use of the available packing surface. For the larger corrugation size packings, INTALOX structured packing provides a better efficiency than other structured packings with similar surface area.

FLEXIPAC HC structured packing uses a less aggressive, perforated and textured surface style to provide excellent surface area utilization. This surface, along with the smooth channel transition at the layer interface, provides a less restricted flow channel and results in lower pressure drop as the packing reaches the loading region. This is particularly true for the smaller corrugation packing sizes. The table below provides guidance in choosing the recommended high capacity packing.

		← Increasing Capacity					Increasing Efficiency →				
INTALOX® Structured Packing		5T	4T	3T	2T	1.5T		1T			
FLEXIPAC® HC® Structured Packing					2Y	250Y	1.6Y	1.4Y	1Y	500Y	700Y
Approximate HETP*											
inches		30	24	18	16	14	12.5	11	10	9	7.5
mm		762	610	457	406	356	318	279	254	229	191

\* HETP values are typical for total reflux distillation of low-alpha systems with good liquid and vapor distribution at moderate vacuum to moderate pressure in the typical design range of 50% to 80% of flood

All Applications
Aqueous Service, High Pressure or High Liquid Rate
Low Pressure Drop Requirement