

# FLEXIPAC® Structured Packing

As the industry standard, FLEXIPAC structured packing has been used in thousands of columns worldwide. FLEXIPAC packing provides a lower pressure drop per theoretical stage and increased capacity compared to trays and conventional random packings. Columns packed with FLEXIPAC packing have resulted in:

- Improved product yields
- Improved product purities
- Reduced reflux ratios
- Increased throughput
- Lower pressure drop
- Reduced liquid holdup
- Increased heat transfer

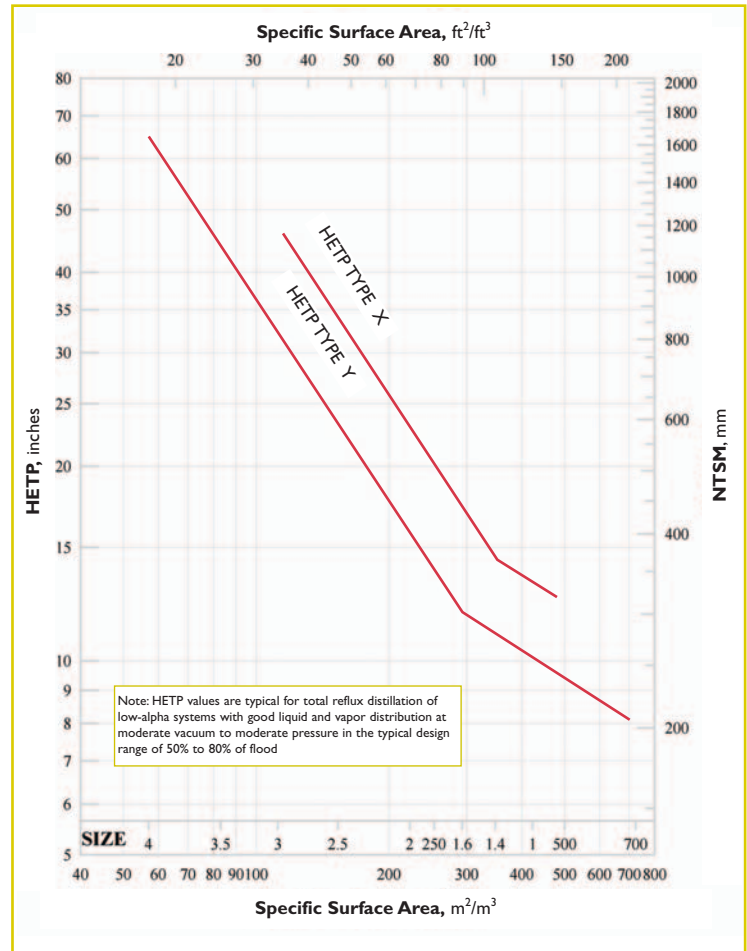
FLEXIPAC structured packing is available in a variety of corrugation crimp sizes, each at two inclination angles. The "Y" designated packings have a nominal inclination angle of 45° from the horizontal, and are the most widely used. The "X" packings have a nominal inclination angle of 60° from horizontal and are used where high capacity and low pressure drop are the overwhelming requirements for a specific application. The benefit of the "X" packings is that they provide a lower pressure drop per theoretical stage for the same surface area.



FLEXIPAC® Structured Packing with perforated and textured surface shown with attached wall wiper band

The plot below provides approximate efficiency information for FLEXIPAC structured packing as typically seen in distillation service of hydrocarbons operating under atmospheric to moderate vacuum conditions. From years of applications experience, Koch-Glitsch has an extensive collection of efficiency information for a wide variety of processes and operating conditions. Consult Koch-Glitsch for further information.

## FLEXIPAC® Structured Packing Approximate Efficiency in Atmospheric Distillation.



← Increasing Capacity

→ Increasing Efficiency

FLEXIPAC® Structured Packing Surface Area	Increasing Capacity ←													→ Increasing Efficiency												
	ft <sup>2</sup> /ft <sup>3</sup>	17	25	34	47	68	77	90	106	129	152	220	m <sup>2</sup> /m <sup>3</sup>	55	80	110	155	225	250	295	350	420	500	725		
Inclination Angle	45°	4Y	3.5Y	3Y	2.5Y	2Y	250Y	1.6Y	1.4Y/350Y	1Y	500Y	700Y	60°	4X	3.5X	3X	2.5X	2X	250X	1.6X	1.4X/350X	1X	500X	700X		