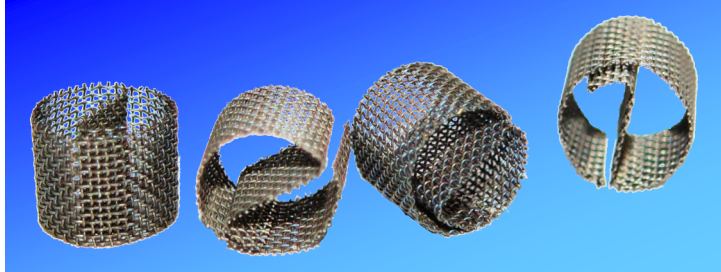




Dixon rings



As a result of a unique rolled mesh construction and under the correct operating conditions, Dixon rings exhibit dramatically enhanced performance characteristics over other packing materials in both distillation and mass transfer applications. They are particularly beneficial in applications which require high efficiency and low pressure, exhibit marginal separation conditions and where space constraints mean that column volume and weight are critical.

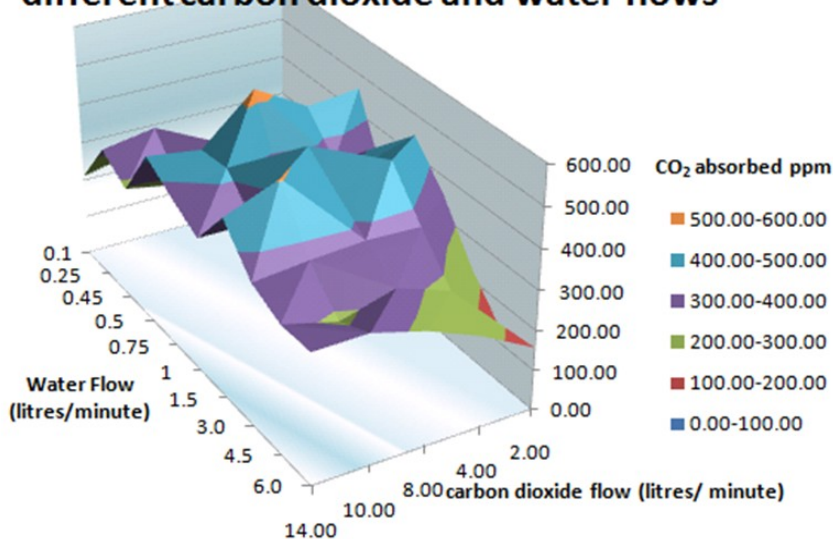
Specific performance characteristics are:

- Specific surface area typically at least several times higher than other random column packing materials (BET surface area measurement)
- Very low pressure drop
- High packing density combined with low weight per unit volume
- High void space
- Efficient mass transfer capability

Technical data

	1/16"	1/8"	1/4"
Surface area (m ² /m ³)	3,550	2,378	900
Void space (%)	90.73	90.98	94.63
Packing factor	102,200	24,400	2,965
Mesh Size	100 x 100	100 x 100	60 x 60
Diameter of wire	112 µm	112 µm	160 µm
Dimensions	1/16 x 1/16 inches (1.6 x 1.6 mm)	1/8 x 1/8 inches (3.2mm x 3.2 mm)	1/4 x 1/4 inches (6.35 x 6.35mm)
Specific weight kg/m ³	1150	570	420
HETP (Tritium separation) (cm)	5.3 ± 0.7 (in vapour flow up to 7g/min)	5.88-15.8 cm	6.0-16.7 cm

A graph showing the absorption efficiency at different carbon dioxide and water flows



For more information visit our website where you can watch two videos: "Dixon rings an introduction" and "A technical introduction to Dixon rings" You can also contact the Croft technical team for further advice and support on +44 1925 766265