

FLEXISADDLE™ 3" LPD® (Low Pressure Drop) Packing

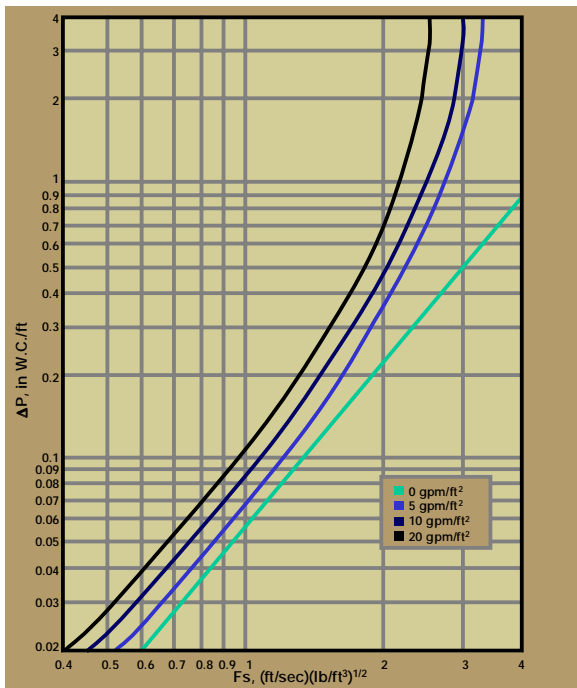
The FLEXISADDLE™ LPD (Low Pressure Drop) Tower Packing provides low pressure drop operation in a rugged acid resistant ceramic design.

The high open area and aerodynamic design of the FLEXISADDLE™ LPD™ Tower Packing results in 35+% lower pressure drop than standard 3-inch saddles with the same mass transfer efficiency. The rugged acid resistant ceramic design limits nesting and withstands rugged handling better than other open design random tower packings.

Pressure drop performance is shown on the graph below. The lower pressure drop offers the Sulfuric Acid Plant Operator savings in blower operating costs, increase in the unit's capacity or improvements to other ancillary equipment where the pressure drop savings may be applied.



Manufactured in corrosion resistant KNIGHTWARE® ceramic the FLEXISADDLE™ LPD™ Tower Packing is the result of Knight listening to their customers to gain an understanding of their operational requirements and constraints.



Physical Characteristics

Number of pieces per volume unit,	32 pieces/ft ³ ; 1,130/m ³
Packing Density,	30 lb/ft ³ , 481 kg/m ³
Free Space %	79%
Specific Surface Area,	21 ft ² /ft ³ ; 69 m ² /m ³
Water Absorption, % (ASTM C 373).....	<1%
Acid Resistance % wt loss, (ASTM C 279)	<6%
Maximum Loading, Top,	750
Maximum Loading, Side,	380

Koch Knight LLC is well versed in designing and constructing corrosive resistant products and systems for the sulfuric acid industry, building numerous acid vessels over the years using proprietary PYROFLEX® acid resistant membrane technology. Knight's mass transfer knowledge is a collaboration with Koch Glitsch LLC, who has designed mass transfer operations for a wide variety of applications and resulted in the development of the FLEXERAMIC® Ceramic Structured Tower Packing for high capacity, high efficiency applications.

FLEXISADDLE™ is a trademark of Koch Engineering Inc

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