

## FLEXISADDLE™LPD® (Low Pressure Drop) Heat Transfer Media

The FLEXISADDLE™LPD (Low-Pressure Drop) heat transfer media provides low-pressure drop and efficient heat transfer in a strong mechanical configuration. Developed by the Knight Division of Koch Glitsch, for Regenerative Thermal Oxidizers (RTO), it is ideal for applications where particulate build up has limited the service life of other media types in the past.

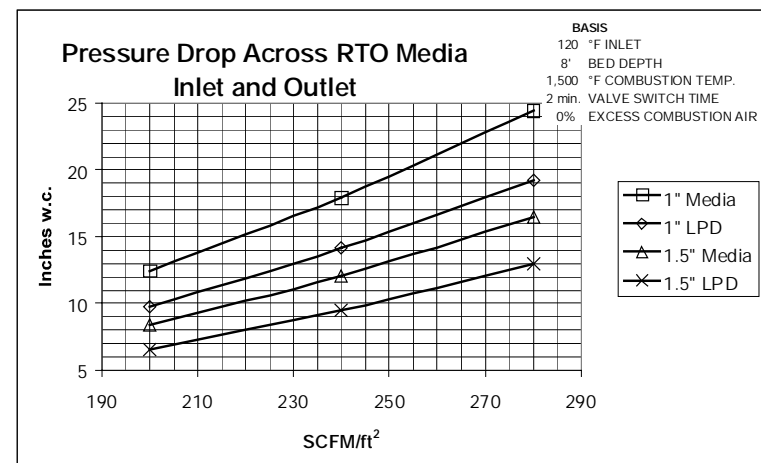
The high open area and aerodynamic design of the FLEXISADDLE LPD Tower Packing results in over 20% lower pressure drop than standard saddle media designs for the same heat transfer efficiency. The structurally strong ceramic, 3-rib design limits nesting and withstands rugged chamber loading better than other open design random media.



FLEXISADDLE LPD Heat Transfer Media pressure drop performance is shown on the graph below. Pressure drop savings offer the RTO designer lower fan costs or smaller units. For the end user or RTO operator, a retrofit with FLEXISADDLE LPD Media will provide additional capacity or electrical savings with their current fan configuration. The lower pressure drop is obtained without any loss in heat transfer efficiency. The 3-rib design maintains heat transfer efficiency through more efficient use of the media's surface area.

The third rib not only increases the media bed open area by reducing nesting; it minimizes dead areas in the media bed that collect particulate. Qualitative tests show the higher open area and low nesting of the FLEXISADDLE LPD media results in reduced particulate retention by up 40% as compared to a standard 1" saddle media bed. The net result is longer operation between burn outs, wash outs or change outs of the media.

The media is available in our standard ceramic and a high performance Glaze Resistant (GR) body for wood products industry or other applications where alkali-glazing attack limits standard conventional ceramic life.



All Knight products for RTO applications are manufactured under an extensive quality control program. Consistent quality is maintained on both physical and chemical characteristics. The end results are products that perform in the toughest thermal shock environments.

Knight supplies other quality products to the Environmental Market including the High Capacity structured media, FLEXERAMIC® Heat Transfer Media. Additional products or services offered include design of media support plates, heat transfer media evaluations, plus ceramic removal and installation services for your specific site needs.