LAKOS Annular Transfer Ring

ATR OPTION

Internal acceleration for applications with larger solids and/or fibrous solids

Using alternative technology to accomplish the internal acceleration needed for effectively removing solids from liquids, the LAKOS Annular Transfer Ring provides a valuable option when specific application conditions occur. As shown at right, the typical accelerating slots are replaced instead with a shaped ring to cause the appropriate acceleration. Vortex action continues to be an important element in the separator's design and performance.

Specific advantages of the LAKOS Annular Transfer Ring:

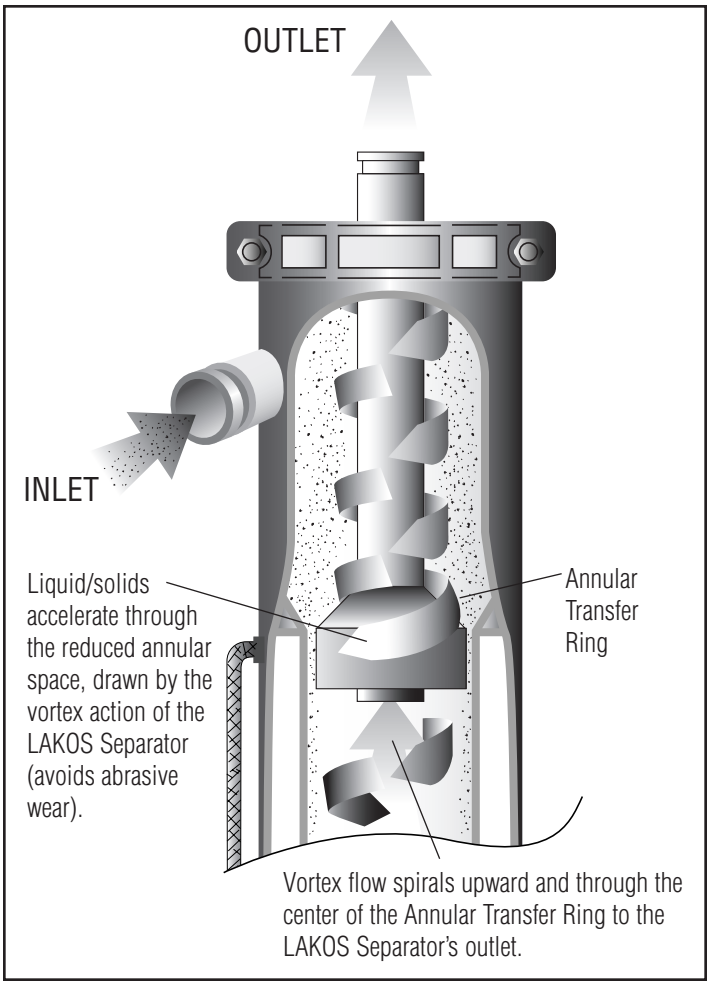
- **Larger solids** - Depending on the separator model involved, solids as large as .4 inches (9.5 mm) up to 2 inches (50 mm) can be separated with the ATR (see chart at right).

Maximum Allowable Particle Sizes

Separator Inlet/Outlet Size	Maximum Particle Size	
*4-inch	.4 inch	9.5 mm
6-inch	.5 inch	12 mm
8-inch	.8 inch	20 mm
10-inch	1.0 inch	25 mm
12-inch	1.1 inch	28 mm
14-inch	1.5 inch	38 mm
16-inch	1.7 inch	43 mm
18-inch	1.9 inch	48 mm
20-inch	2.0 inch	50 mm

*For smaller separators, consult the factory.

- **Fibrous solids** - The simple design of the LAKOS Annular Transfer Ring allows fibrous, stringy and long-shaped matter to pass from the inlet/acceptance chamber to the separation barrel.



CAUTION: The ATR's ability to handle fibrous solids does not imply that LAKOS Separators with the ATR option can actually separate such solids. The ATR simply accommodates such solids, reducing the risk of clogging the acceleration technique. Separators with the ATR option must be purged more frequently and thoroughly to reduce the risk of bridging and solids compaction in the separator's solids collection chamber.

Lakos Separators are manufactured and sold under one or more of the following U.S. Patents: 3,289,608; 3,512,651; 3,568,837; 3,701,425; 3,947,364; 3,963,073; 4,027,481; 4,120,795; 4,123,800; 4,140,638; 4,147,630; 4,148, 735; 4,305,825; 4,555,333; 5,320,747; 5,338,341; 5,368,735; 5,425,876; 5,571,416; 5,578,203; 5,622,545; 5,653,874; 5,894,995; 6,090, 276; 6,143,175; 6,167,960; 6,202,543; Des. 327,693; and corresponding foreign patents, including 600 12 329.4-08 (Germany) and EP 1 198 276 B1 (EU); other U.S. and foreign patents pending.

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Printed on recycled paper

LS-634B (Rev. 2/08)