

HDC™ High Density Cyclone

For efficient separation of heavy-weight impurities

High Separation Efficiency

The HDC high density cyclone is designed for most efficient separation of abrasive, heavy-weight impurities such as sand, grit, glass, and metal. It ensures a cleaner furnish and can be installed as a complement to other pulp cleaning or screening equipment and to protect rotating equipment from wear. The HDC high density cyclone is suitable for all pulp types.

Benefits

- Low power consumption
- Reliable operation
- Easy, low cost maintenance
- High separation efficiency
- Compact and robust design
- Minimal fiber losses
- Optimized flow characteristics
- Easily replaceable, wear resistant inner cone
- Protects key process equipment
- Fully automated intermittent reject discharge sequence



*Optimized design for
efficient separation*

Beneficial in Many Applications

A typical application for the HDC high density cyclone is in the tail-end of a fine screening system, or in a cleaning system, where heavy-weight particles need to be removed efficiently in order to improve quality and to minimize wear on screen baskets and rotors, etc. It can also be used for sand separation in chip washing circuits.

The compact design allows installation directly in the piping system.

Flexible Reject Handling Concept

The HDC high density cyclone can be operated either with intermittent, semi-continuous, or continuous reject discharge.

This flexible reject handling concept minimizes fiber losses and ensures that your valuable fibers don't go to waste.

Excellent Wear Resistance

An outer cone of durable, high-quality stainless steel and an inner cone of wear resistant plastic material ensure smooth performance and a long lifetime.

Easy Maintenance

The easily replaceable inner cone enables efficient and cost-effective maintenance.

Certified Parts and Service 24 Hour Hotline for North America: 1-800-448-5422

Optimized Inlet Head

The inlet head is designed for optimized flow characteristics providing low pressure drop, reduced energy consumption, and high separation efficiency.

Functional design



For patent information about this and other Kadant products visit <https://lkadant.com/en/patents>

Specifications and information subject to change without notice. General dimensions and not certified for construction or installation.

Model Size	Height H		Stock inlet dia d ₁		Accept dia d ₂		Reject dia d ₃	
	mm	in	mm	in	mm	in	mm	in
150	720	28	65	2 1/2	65	2 1/2	80	3
200	960	38	80	3	80	3	80	3
250	1,220	48	100	4	100	4	80	3
300	1,430	56	100	4	150	6	100	4
350	1,790	70	125	5	150	6	100	4
410	1,840	72	150	6	200	8	150	6

KADANT

fiberprocessing.kadant.com Kadant is a global supplier of high-value, critical components and engineered systems used in process industries worldwide.

North America, Central America, and Japan:

Kadant Black Clawson LLC
1425 Kingsview Drive
Lebanon, OH 45036 USA
Tel: +1-513-229-8100
Email: info@kadant.com

China, Taiwan, and South Korea:

Kadant Fiberline (China) Co. Ltd.
STE 1960, Beijing Sunflower Tower
37 Maizidian Street, Chaoyang
District, Beijing 100125 China
Phone: +86-10-65813011/12/13
Email: Marketing.KFC@kadant.com

EMEA, APAC, and South America:

Kadant Lamort SAS
39, rue de la Fontaine Ludot,
B. P. 30046
Vitry-le-Francois cedex 51302
Phone: +33-26-74-80-80
Email: kadant.lamort@kadant.com

Kadant Noss AB
Malmgatan 25
602 23 Norrköping, Sweden
Phone: +46-(0)-11-23-15-00
Email: info.kadantnoss@kadant.com

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