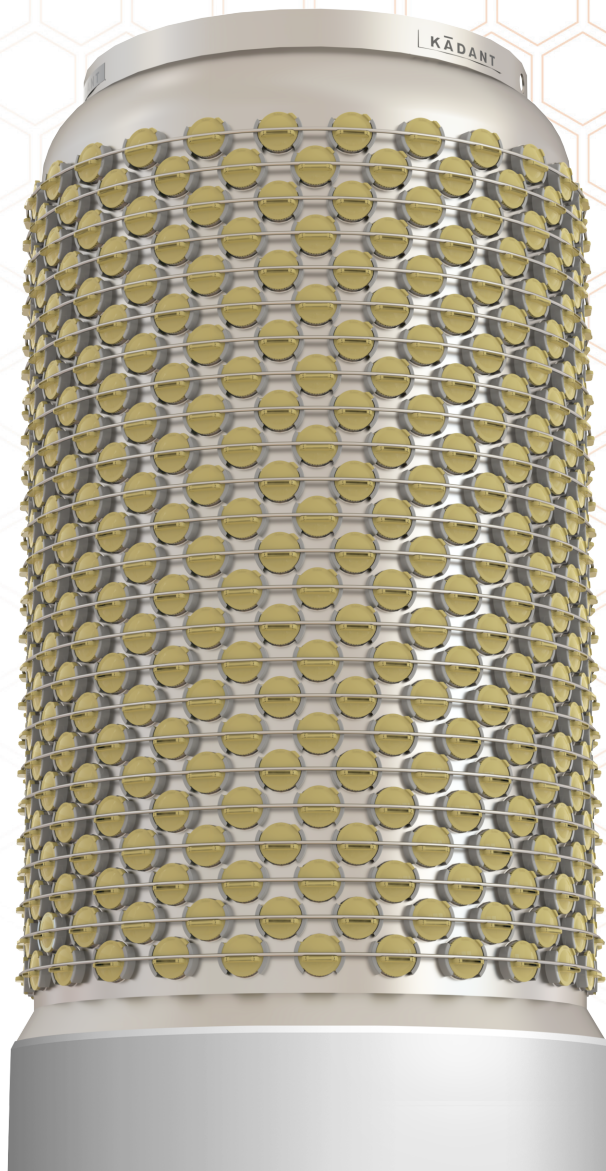


Radiclone™ BM80 Hydrocycloning Systems

For high-efficiency removal of
lightweight contaminants
and thickening

*Perfect for applications
with high demand for
pulp and paper cleanliness*



Radiclone BM80

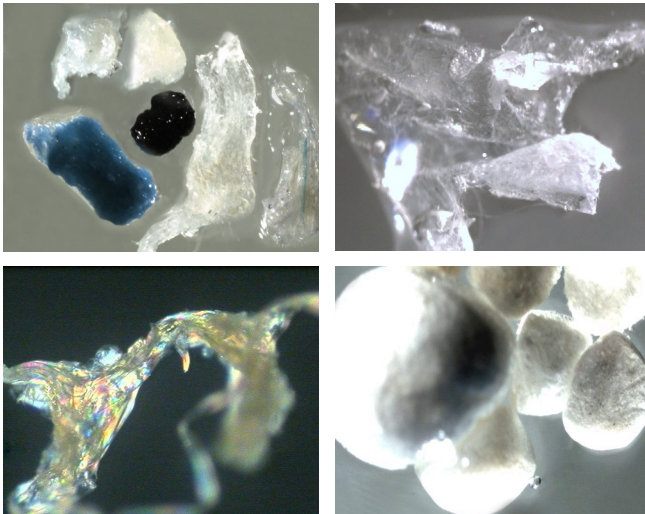
Hydrocycloning Systems

High-performance Cleaning

Radiclone BM80 reverse flow hydrocycloning systems are used in all applications with a high demand for pulp and paper cleanliness. The low operating and maintenance costs in conjunction with the high-performance cleaning capability offer efficient fiber processing for lightweight contaminant removal and thickening.

Efficient Contaminant Removal

Radiclone BM80 hydrocycloning systems feature one of the highest removal efficiencies available for lightweight contaminants, such as plastics, styrofoams, waxes, and shives.



Small Footprint Design

For both new installations as well as replacements, a critical limitation for the installation of a cleaning system is often the available space. Radiclone BM80 hydrocycloning systems have been designed to ensure the smallest footprint possible. This enables very compact and space-saving installations and minimises the total investment costs considerably.

Benefits



High separation efficiency - Leads to improved pulp quality with excellent cleanliness.



Low power consumption - Optimized and functional design ensures low energy consumption at high operational reliability.



Compact design - Minimized total cost and required floor space.



Reliable operation - Practically plug-free design offers smooth performance and continuous operation.

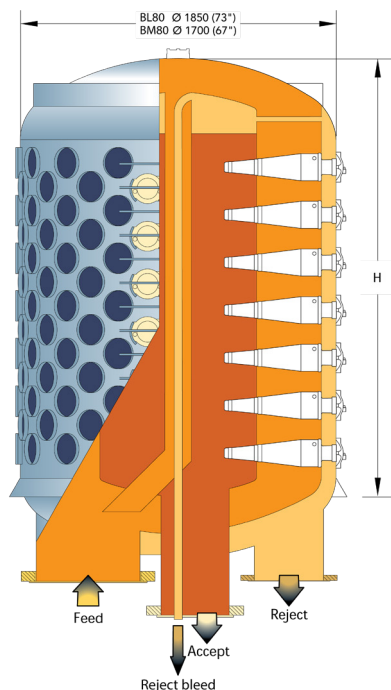


Excellent thickening results - Features one of the highest thickening effects on the market.

For high quality pulp, paper, and board



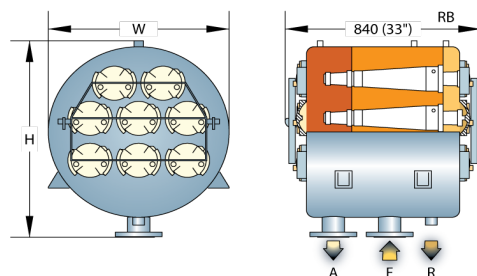
Radiclone installation



Quality and Flexibility

The Radiclone BM80 is a pressurised canister manufactured of stainless steel EN 1.4404 (316L) in which 80 mm (3") diameter hydrocyclones are installed. A wide range of sizes and system configurations are available.

Specifications



Models BL80-600 to BL80-50 & BM80-600 to BM80-50

Models BM80-34 to BM80-4

Model Size	Capacity l/min	Height H				Feed		Accept				Reject				RB
		BL80		BM80				BL80		BM80		BL80		BM80		
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	in
BL80-600 / BM80-600	55 200	3 530	139	3 450	136	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-550 / BM80-550	50 600	3 300	130	3 220	127	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-500 / BM80-500	46 000	3 070	121	2 990	118	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-450 / BM80-450	41 400	2 840	112	2 760	109	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-400 / BM80-400	36 800	2 610	103	2 530	100	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-350 / BM80-350	32 200	2 380	94	2 300	91	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-300 / BM80-300	27 600	2 150	85	2 070	81	600	24	400	16	400	16	400	16	250 / 400	10 / 16	1 1/2 *
BL80-250 / BM80-250	23 000	1 920	76	1 840	72	400	16	300	12	350	14	300	12	200 / 350	8 / 14	1 1/2 *
BL80-200 / BM80-200	18 400	1 690	67	1 610	63	400	16	300	12	350	14	300	12	200 / 350	8 / 14	1 1/2 *
BL80-175 / BM80-175	16 100	1 575	62	1 495	59	400	16	300	12	350	14	300	12	200 / 350	8 / 14	1 1/2 *
BL80-150 / BM80-150	13 800	1 460	58	1 380	54	400	16	300	12	350	14	300	12	200 / 350	8 / 14	1 1/2 *
BL80-125 / BM80-125	11 500	1 345	53	1 250	49	400	16	300	12	350	14	300	12	200 / 350	8 / 14	1 1/2 *
BL80-100 / BM80-100	9 200	1 230	48	1 150	45	250	10	200	8	250	10	200	8	100 / 200	4 / 8	1 1/2 *
BL80-75 / BM80-75	6 900	1 115	44	1 035	41	250	10	200	8	250	10	200	8	100 / 200	4 / 8	1 1/2 *
BL80-50 / BM80-50	4 600	1 000	39	920	36	250	10	200	8	250	10	200	8	100 / 200	4 / 8	1 1/2 *

Capacity for BL80 models is specified for use with BM80-J hydrocyclones.
Capacity for BM80 models is specified for use with BM80-F hydrocyclones.

*Pipe thread

Model Size	Capacity l/min	Height H		Width W		Feed		Accept		Reject		RB
		mm	in	mm	in							
BM80-34	3 400	1 450	57	1 300	51	150	6	150	6	80	3	1 1/4 *
BM80-20	2 000	1 100	43	950	37	100	4	100	4	50	2	1 1/4 *
BM80-12	1 200	890	35	750	30	80	3	80	3		1 1/2 *	1 *
BM80-8	800	790	31	650	26	80	3	80	3		1 1/4 *	1 *
BM80-4	400	590	23	450	18	50	2	50	2		1 *	1 *

Capacity is specified for use with BM80-K hydrocyclones.

*Pipe thread

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

Designed for great results

Efficient hydrocyclones

BM80 hydrocyclones are manufactured in different elastic plastic materials to resist heat, chemicals, and wear depending on the application. Each hydrocyclone type is optimised based on pressure drop and flow to obtain the best system efficiency.

Excellent Thickening Properties

The Radiclone BM80 reverse flow hydrocyclones feature excellent thickening properties. In the Radiclone BM80 system, the feed consistency of the accepts from the forward flow cleaning system is increased by 1.5 to 3 times. This is a great advantage when designing systems where the requirements for efficient separation and pulp cleanliness are particularly high, for example in dissolving pulp lines.

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

Improve your product quality

The Radiclone BM80's optimised design ensures high removal efficiency leading to improved pulp quality with excellent cleanliness.

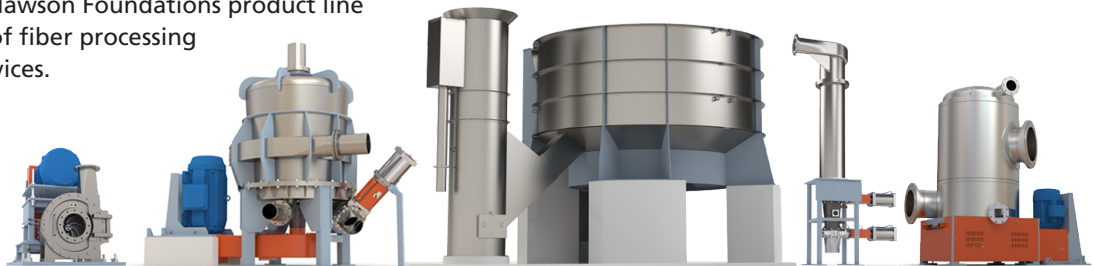
Hydrocyclones designed for practically plug-free operation.



Radiclone installation



The Kadant Black Clawson Foundations product line offers a full range of fiber processing equipment and services.



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

KADANT

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

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Radiclone BM80
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01/2024