



M 07-23 8000 22 ENG/AV2

Product datasheet

KREBS® Hydrocyclones for sewage/waste water treatment

KREBS® sewage-degripping cyclones are simple, yet highly effective units for removing grit, sand and other inorganic solids from the primary clarifier and grit chamber underflow streams in sewage treatment plants. These hydrocyclones form the foundation for a sound separation process at minimal cost.

Protect downstream equipment with proven, reliable protection

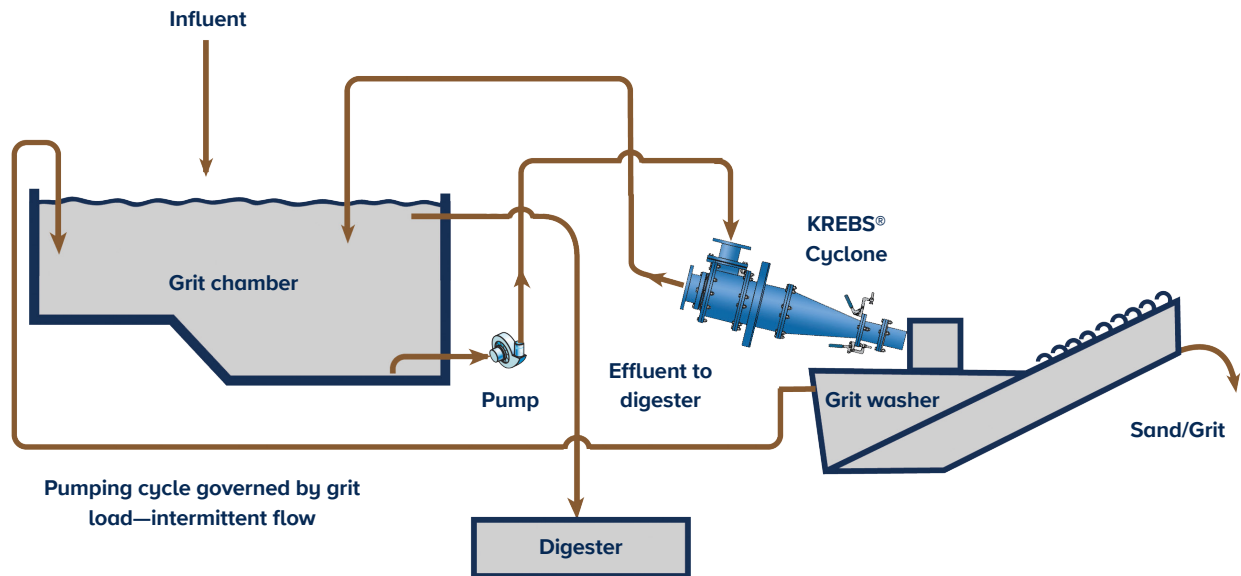
Solid debris such as sand, rocks, glass, trash and other refuse found in sewage plant feed causes abrasive wear on process equipment. Deposited inorganic material can damage and adversely affect the digester operation, causing loss of digester capacity and eventually resulting in a complete plant shutdown for cleaning and renovation.

Features and benefits

- Involute feed entry delivers high performance efficiency for effective downstream equipment protection
- High capacity in a small footprint, reducing installation costs
- Fabricated carbon steel housing for reduced costs
- Hinged apex housing for easy maintenance and system cleaning access without disconnecting piping
- Easily replaceable neoprene and gum rubber liners; other liner materials available on request
- Choice of manually adjustable or fixed apex assembly provides flexibility

High performance in small footprint

Designed for superior separation and worry-free operation, our sewage-degritting cyclones efficiently remove solids from raw sewage, and they are less expensive than gravity-based sedimentation systems. In fact, these cyclones are designed to remove 95% or more of the grit that is larger than 150 mesh (105 µm) entering the feed inlet. This performance advantage joins the low footprint requirements, resulting in even greater cost savings when accounting for total installed costs compared to gravity systems.



TIME ON	TIME OFF	D6B-12 (100 GPM)	D10B (200 GPM)	D10LB (300 GPM)	D15B (550 GPM)	D15LB (600 GPM)	D20B (675 GPM)	D20LB (850 GPM)
Continuous		144,000	288,000	432,000	792,000	864,000	972,000	1,224,750
30 Min.	30 Min.	72,000	144,000	216,000	396,000	431,000	485,000	611,000
15 Min.	45 Min.	36,000	72,000	108,000	198,000	215,000	242,000	305,000
5 Min.	55 Min.	12,000	19,200	36,000	66,000	72,000	81,000	102,000
5 Min.	2 Hrs.	6,000	12,000	18,000	32,400	35,300	40,000	50,500
5 Min.	3 Hrs.	4,500	9,000	13,500	21,600	23,500	26,500	33,500
5 Min.	4 Hrs.	3,000	6,000	9,000	16,200	17,500	19,500	24,575
5 Min.	6 Hrs.	2,250	4,500	6,750	12,150	13,500	15,200	19,150
5 Min.	8 Hrs.	1,500	3,000	4,500	8,100	8,900	10,000	12,600

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