BÖRGER®

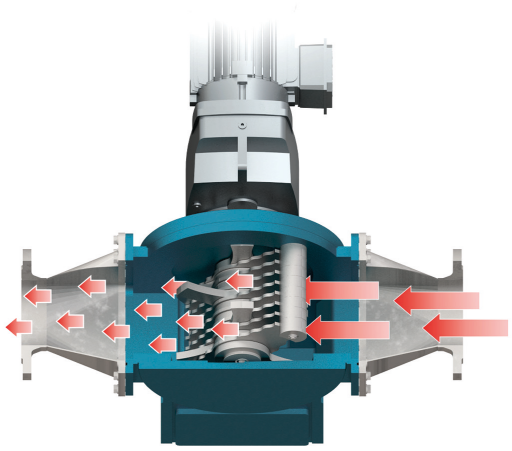
EXCELLENCE – MADE TO LAST

ROTORRAKE



ROBUST SINGLE-SHAFT COARSE MACERATOR
ROTORRAKE

The Rotorrake tackles macerating tasks where others have failed – for macerating very coarse solids and rags. Depending on the application, the single-shaft macerator is available with or without debris collector.



OPERATING PRINCIPLE

The solids containing liquids flow through the stationary counter blades which are arranged at an angle. The solids are captured by the counter blades and shredded by the cutting action of the rotating blades. The reduced solids then continue to flow suspended in the liquid.

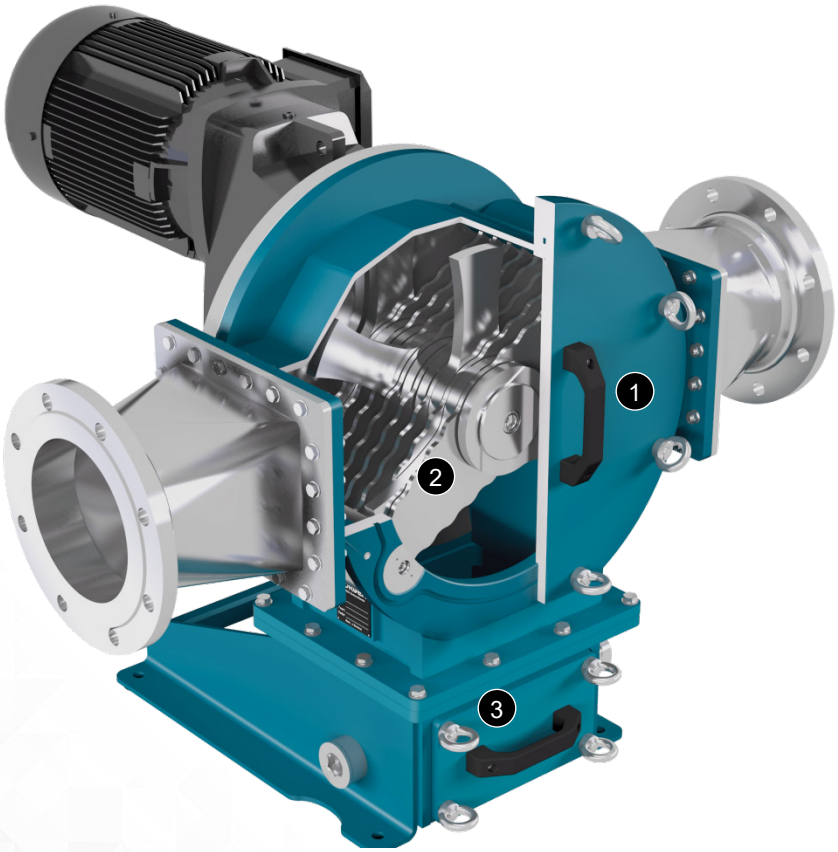
Rotorrake	Max. flow rate	Standard version max. pressure	Reinforced version max. pressure
RR 6000	360 m³/h (1586 gpm)	2 bar (29 psi)	5 bar (72,5 psi)
RR 9000	540 m³/h (2379 gpm)	2 bar (29 psi)	5 bar (72,5 psi)

CONSTRUCTION AND FUNCTION

1. ***The quick-release cover***
   Access to all wetted parts through the quick-release cover – maintenance without removal of pipe or drive systems (MIP).

2. ***The blades and counter blades***
   Blades and counter blades are assembled alternately on the carrier shaft. The blades are moved by the rotating shaft. The stationary counter blades are locked into the casing.

3. ***Debris collector***
   Solids that cannot be macerated are collected in the debris collector (with drainage device at the side).



ROTORRAKE AT A GLANCE

+ Effective coarse macerator

+ High resistance to wear due to no-contact arrangement of blades and counter blades

+ Blades and counter blades can be turned round to use on both sides

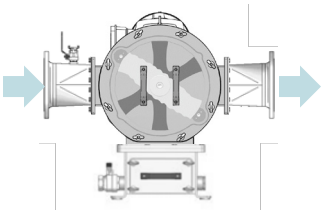
+ Available in stainless steel

+ Various drive options

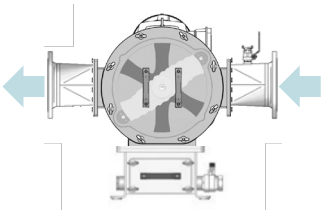
+ Energy efficient

FLEXIBLE INSTALLATION

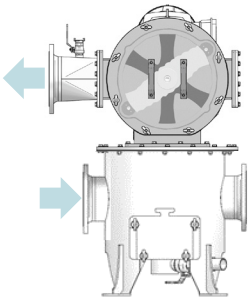
The Rotorrake offers high flexibility for the installation. The flow direction can be changed subsequently (please find a small selection of options here).



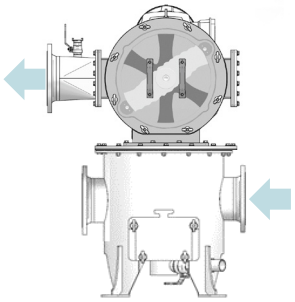
Example 1



Example 2



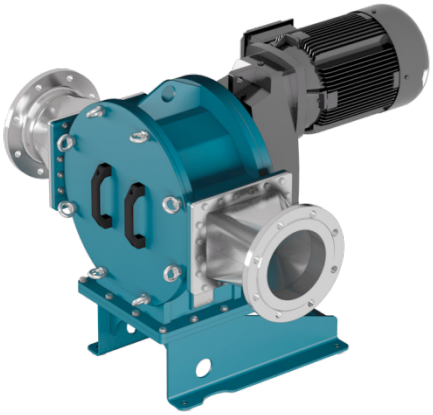
Example 3



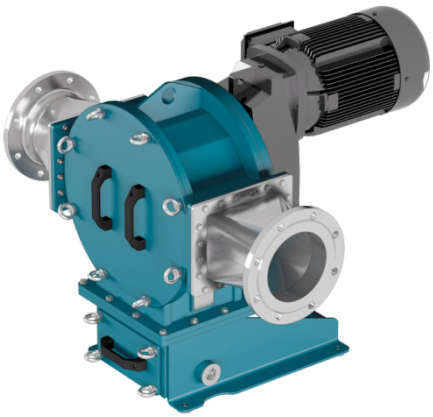
Example 4

WITH OR WITHOUT DEBRIS COLLECTOR

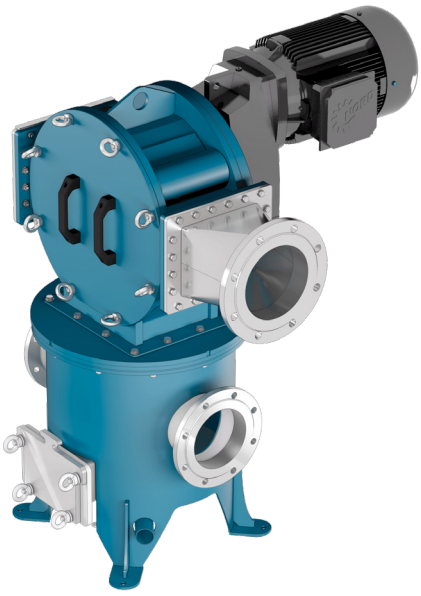
Depending on the application, the Rotorrake is installed with or without debris collector (16 l or 150 l). When operating conditions change, the debris collector can be retrofitted, replaced or removed.



Rotorrake pure
Without debris collector



Rotorrake plus 16
With 16 l debris collector



Rotorrake plus 150
With 150 l debris collector

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