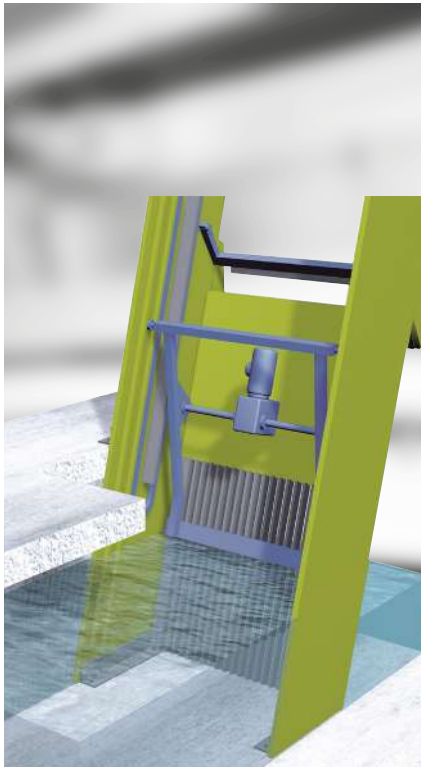




A brand of
Aqseptence Group

Passavant® Climber Screen KRC

Reliable fine or coarse screening of municipal or industrial wastewater – in a channel design.



Whether operating as a co-flow or counter-flow screen, the Passavant® Climber Screen KRC from Aqseptence Group has, for decades, proved to be an efficient and reliable solution in plants world wide. Due to continuous development and adaptation to ever-changing requirements and technologies, it has remained one of the best in its class – an original which sets standards.

The cleaner carriage is driven by a pair of cogwheels around a pin rack. The rake is steered by rollers running in a guide rail and a follower track. The rake performs a looping type movement as the cleaner carriage ascends and descends.

When the cleaning cycle commences, the cleaner carriage descends from the resting posi-

tion with an open rake arm. At the point when the cogwheel reaches the lowest pin of the rack and the rake reaches the channel bottom, the cogwheel turns further around the pin and the rake penetrates into the bar screen. The carriage ascends with a closed rake arm, whereby the rake collects the screenings and conveys them to the discharge position. The stripper device removes the screenings from the rake shell and pushes them via the discharge chute into the screenings disposal facility.

The cleaner carriage remains in the upper resting position between the two cleaning cycles. If a blockage occurs, the overload protection device is triggered which stops the carriage and sends a signal to the control centre.

Benefits

- High level of efficiency and operational reliability with low maintenance and low wear and tear:
 - no moving drive components in the water
 - cleaning rake drive without cables or chains
 - smooth even running of cleaner rake due to maintenance-free pin rack drive system
 - drive motor retains its direction of rotation, thus reducing wear on the drive
- Trouble-free installation, also into existing plants
- Minimal maintenance and operating costs

Applications & fields of operation

Passavant® Climber Screens KRC are operating successfully as fine or coarse screens in municipal or industrial wastewater technology world wide.

Design sizes & performance

The Passavant® Climber Screen KRC can be manufactured in various technical designs to suit your requirements:

Channel width	up to 4 m
Channel depth	up to 15 m
Water depth	max. 2.5 m
Min. gap width in co-flow screen	6 mm
Min. gap width in counter-flow screen	12 mm

Materials & Options

Our tried and tested Climber Screens are manufactured exclusively with top quality durable materials:

Metal parts Stainless steel AISI 304 (1.4301) or AISI 316 L (1.4404)

Stripping rail, rollers, cogwheels PA6G



Unique features

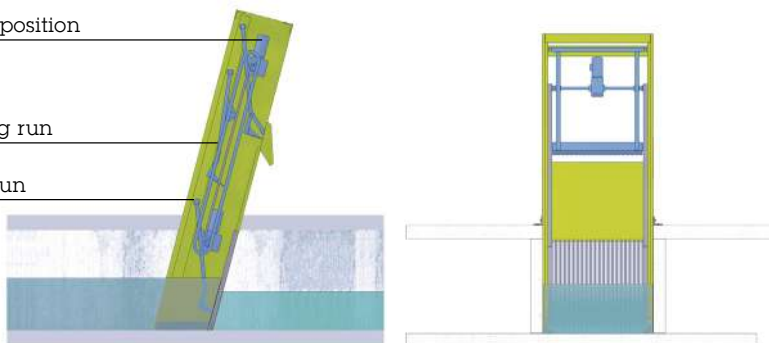
The well-designed construction and durability of our Climber Screens have proved to be a convincing and reliable solution in daily operational use

- Robust, simple components
- Electromechanical overload protection system
- Simple machine cover or complete encasement possible
- The cleaner carriage can be stopped at any required height:
 - maintenance work can be carried out from operation floor level
 - no necessity for a maintenance platform

Discharge position

Descending run

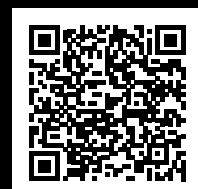
Cleaning run



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The technical data stated in this brochure are indicative only and have to be determined for each individual case. Reserve technical changes.