

REKO SIEVE BENDS

for separating solids 150 μm - 5 mm



[Water treatment](#) [Wastewater systems](#) [Sieve bends](#)

Description

REKO sieve bends are uncomplicated devices for the separation of solids from process and waste water flows. The REKO sieve bends are distinguishable from others by the unique 'shear' effect, continuous operation and simple construction, benefiting from a high capacity for a low investment.

Working principle of the REKO sieve bend

Liquid is fed either by gravity or pump pressure via the admission chamber over the full screen width, to pass over the curved slotted screen plate. Because the screen is curved, the dynamic force increases the screen capacity. A hinged partition ensures maximum usage of the screen and causes the liquid passes through the slotted screen to flow to the outlet connection. The separated solid particles continuously slide down the screen surface and will be collected in a container, screw conveyor or dewatering press.

Options

- o vibrating type
- o spraying/brush system
- o cover with gas spring

Applications

- o greenhouses
- o food industries
- o zoos
- o slaughterhouses
- o fish industries
- o tanneries

Advantages

- o continuous separation
- o no maintenance costs
- o capable of handling large concentration of solids
- o unique 'shear' movement
- o simple interchange ability of screen plates to adapt to changes in process conditions
- o low investment
- o low noise
- o minimal operation costs
- o various construction as standard
- o static connections on vibration screen



Specifications

- o materials: stainless steel 304
- o flanges: coated aluminum
- o slot width: 150 µm up to 5 mm
standard 0.5 mm
- o capacity: 0-1000 m³/h
(andere sleufwijdtes op verzoek leverbaar)
- o capaciteit per nozzle ø20mm: 18 m³/h @ 2 bar
- o afwijkende nozzle diameter ø14, ø16 of ø20mm

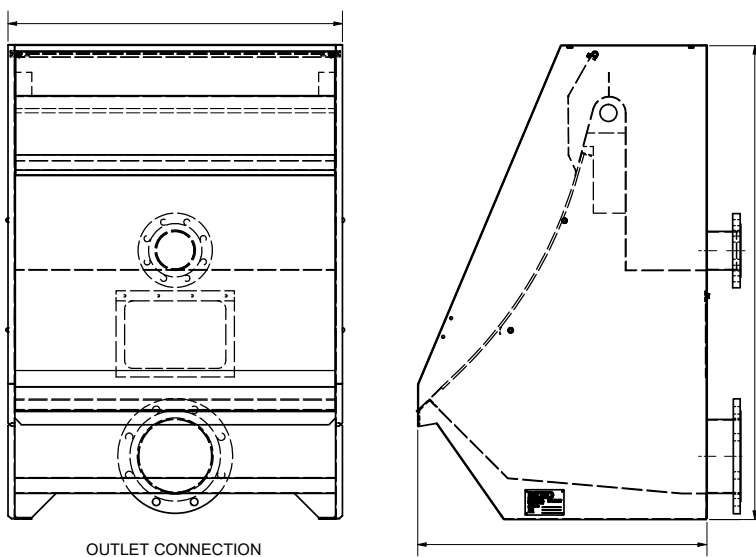
Accessories

- o AISI 304 dirt collector
- o AISI 304 filter for dirt collector
- o aluminium or AISI 304 funnel

OVERVIEW MODELS

MODEL	FEED CONNECTION	OUTLET CONNECTION	SIZES (LxWxH)	WEIGHT	CAPACITY (m ³ /h)*
300TS	-	PVC 110/90	775 × 350 × 1230 mm	45 kg	18
500TS	DN100 PN10 alu	DN100 PN10 alu	855 × 486 × 1405 mm	80 kg	36
1000TS	DN100 PN10 alu	DN200 PN10 alu	855 × 986 × 1405 mm	120 kg	72
1500TS	DN150 PN10 alu	DN250 PN10 alu	855 × 1486 × 1405 mm	160 kg	108
2000TS	DN150 PN10 alu	DN250 PN10 alu	855 × 1936 × 1405 mm	200 kg	144
600LB	DN100 PN10 alu	DN200 PN10 alu	945 × 684 × 1940 mm	100 kg	72
1200LB	DN150 PN10 alu	DN200 PN10 alu	945 × 1284 × 1940 mm	180 kg	142
1800LB	DN200 PN10 alu	DN300 PN10 alu	945 × 1948 × 1940 mm	240 kg	215
1900LB	DN200 PN10 alu	DN300 PN10 alu	945 × 2048 × 1940 mm	250 kg	227
1800LBM	DN200 PN10 alu	DN300 PN10 alu	2160 × 2020 × 2600 mm	450 kg	272
1900LBM	DN200 PN10 alu	DN300 PN10 alu	1230 × 1980 × 2430 mm	470 kg	297
1800LBH	DN200 PN10 alu	DN300 PN10 alu	1425 × 1948 × 2855 mm	520 kg	333
1900LBH	DN200 PN10 alu	DN300 PN10 alu	1425 × 1950 × 2857 mm	550 kg	354

* with clean water and slot width 0,5 mm



Drawings per sieve bend series can be found under Downloads on the REKO sieve bends product page on www.vanderendegroup.com.