

Redox static and vibrating screens

Redox... the answer to solids/liquid separation

Redox has many years of experience in the field of separating solids from processing effluents and wastewater. The application of curved screens is simple with minimal maintenance and has a short payback time due to a significant reduction in waste discharge. Often recovery of valuable materials is a possibility.

Redox has designed a vibrating screen to treat liquids with difficult to separate materials, such as grease and other adhesent materials. By vibrating the screen the system becomes virtually self cleaning, as no material will cling to the screen plate. In many cases the screened water can be recycled. The cost of investing in further wastewater treatment equipment is considerably reduced.

The Redox screens can be tailor-made for any throughput and or difficult to separate materials and are available in several corrosion resistant materials.

A spray system is available for liquids containing hair and fibrous materials. Depending on the materials to be separated, this can be a high or low pressure system with or without the addition of a brush.

The standard systems are constructed of AISI 304

Options:

- Several corrosion resistant materials
- High/low pressure spraying system
- Brush
- Cover

Applications

Vibrating screens

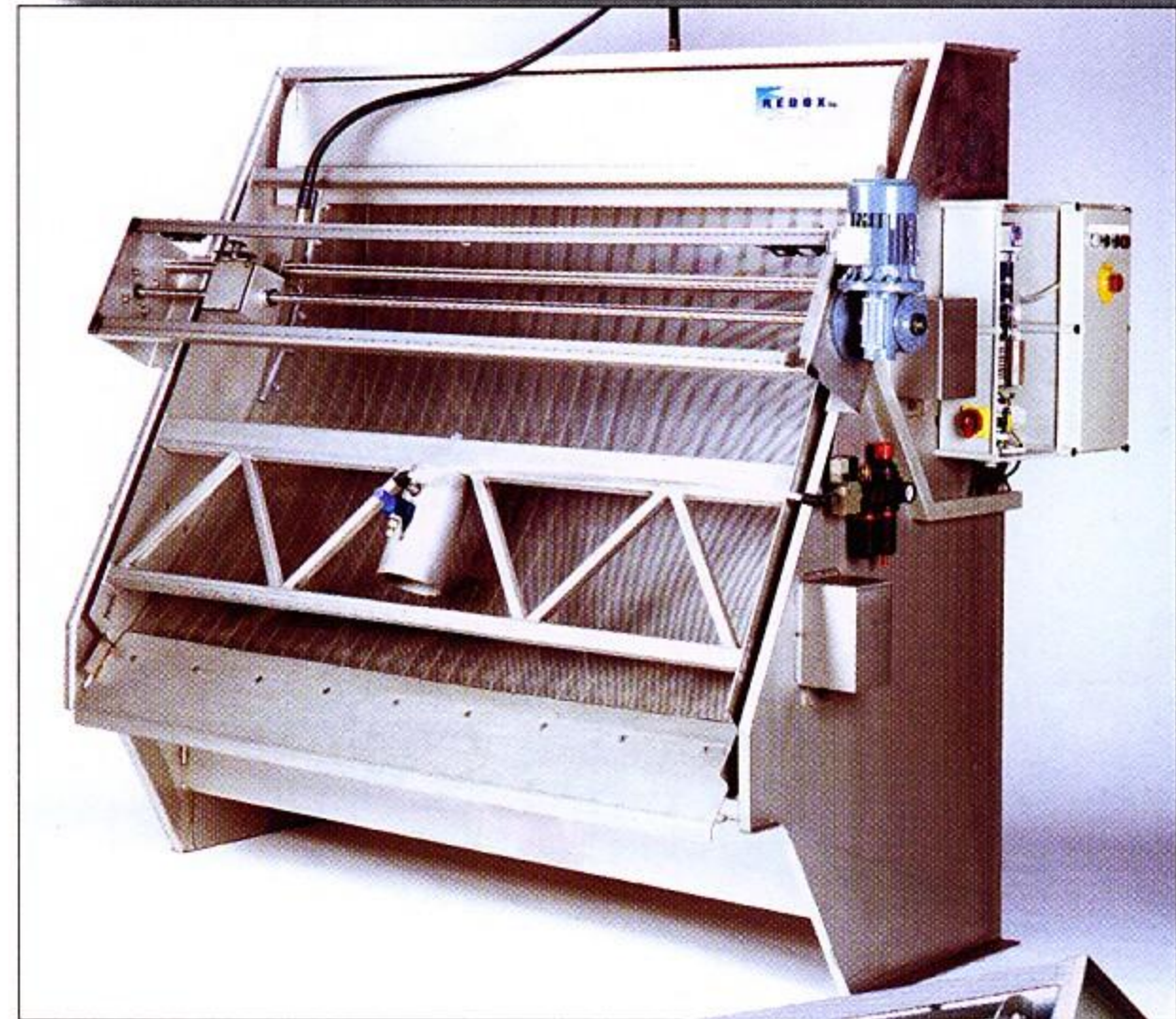
- Manure treatment
- Fish processing
- Slaughterhouses
- Textile industry
- Pulp and paper industry

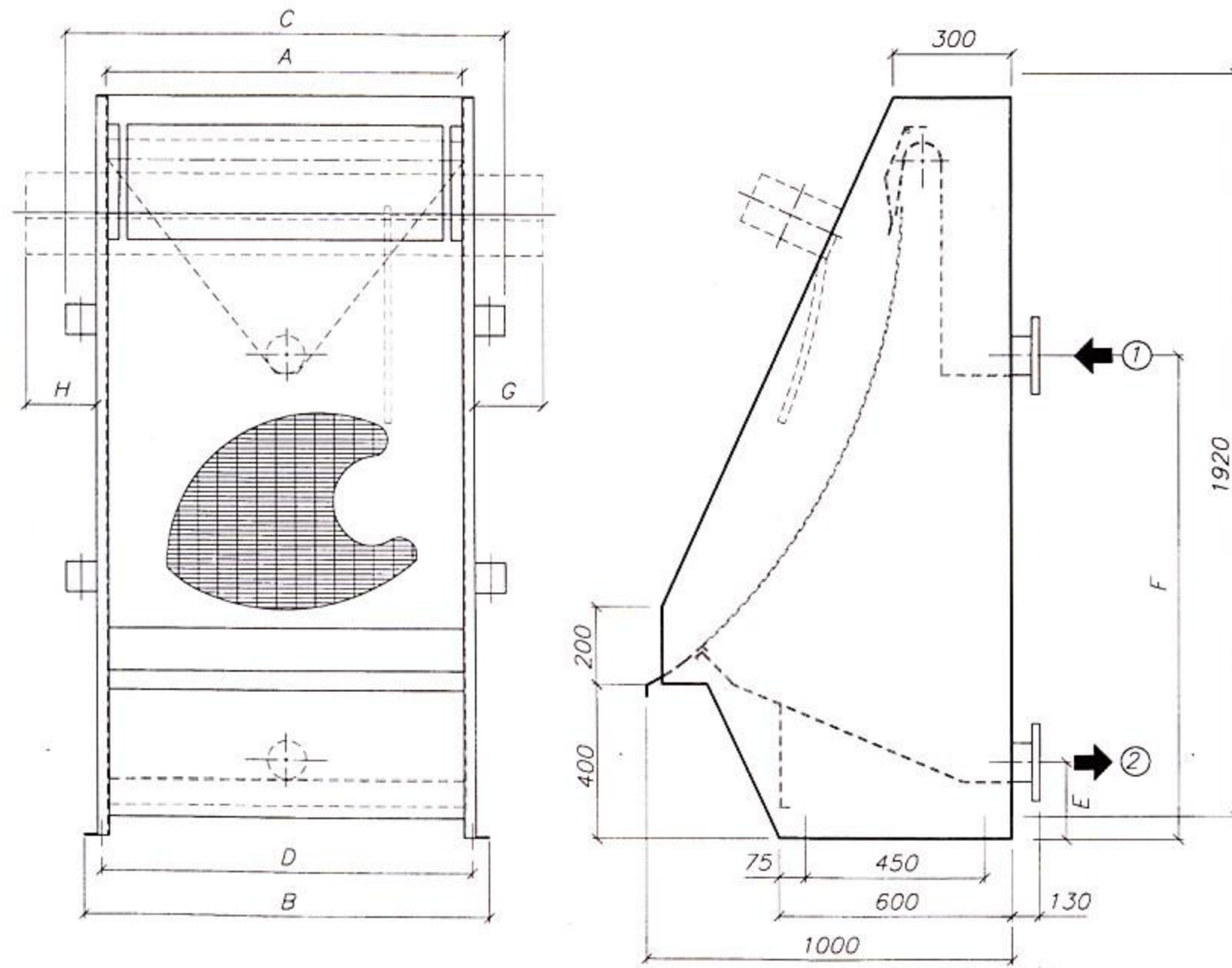
Static screens

- Potato industry
- Rendering plants
- Vegetable processing
- Mushroom processing
- Crate washing system

Why Redox Screens?

- Low investment.
- Fast pay back time due to decreased surcharges.
- Applications as standardized systems or integration in existing treatment processes.
- No sand separation in the inlet compartment due to a conical inlet construction.





A (mm)	270	570	1170	1770	650	1250	1250
B (mm)	370	670	1270	1870	760	1370	1535
C (mm)					878	1478	2078
D (mm)	318	618	1218	1818	700	1300	1900
E (mm)	207	263	263	315	263	263	315
F (mm)	1227	1227	1257	1283	1227	1257	1283
	STATIC SCREEN				VIBRATING SCREEN		
	300	600	1200	1800	600	1200	1800
	SZ	SZ	SZ	SZ	TZP	TZP	TZP
	INCLUDING SPRAY SYSTEM						
G (mm)	250	250	250	250	250	250	250
H (mm)	250	250	250	250	250	250	250

Slotwidth	CAPACITY (m ³ /h)			
	300 SZ	600 SZ/TZP	1200 SZ/TZP	1800 SZ/TZP
0,15 (mm)	2- 8	4-16	8- 32	12- 48
0,25 (mm)	4-13	7-26	13- 51	19- 77
0,5 (mm)	5-20	10-40	15- 80	30-120
0,75 (mm)	6-23	12-47	20- 90	35-140
1,0 (mm)	7-26	13-55	26-105	40-160
1,5 (mm)	10-33	20-33	35-133	50-200
INLET 1 DN	100	100	150	200
OUTLET 2 DN	100	200	200	300

Flanges according to DIN 2576