

PASSAVANT NOGGERATH



# Microshear® Drum Sieve System

Products & Service

LIQUID-/SOLID SEPARATION

### Microshear® Drum Sieve System

A compact, completely encapsulated filter and thickener system allowing for an extremely smooth and effective filtration (between 15 µm and 250 µm) of varying infeed capacities and solids concentrations at very small particle sizes. The Microshear® is an unbeatable combination of filtration and integrated solids transport and dewatering.

### Function

The waste water is channelled centrally into the screening drum and is evacuated pressureless through the screen gauze by gravity. The solid particles in the water which are larger than the nominal screen opening are retained at the inner side of the screen surface. Then, the solid particles are slowly rotated to the top of the screen where they are blown off or sprayed off by means of high pressure air, water jet etc. (depending on the specific application) into the discharge trough (lander or spiral conveyor).

### Advantages

- HIGH-PERFORMANCE SEPARATION WITH MESH OPENING SIZES DOWN TO 15 µm
- ATMOSPHERIC (PRESSURELESS) OPERATION
- LOW OPERATIONAL COSTS
- GENTLE TRANSPORT AND TREATMENT OF SOLIDS
- FILTRATION WITHOUT FLOCCULANTS

### Fields of Application

- Pulp & Paper Industry
- Rejects thickening/separation
- Fiber recovery
- Fine particles effluent
- Ash separation
- Wineries
- Machinery industry
- Fruit and vegetable processing
- Petrochemical industry
- Other industries

### Technical Data (mm)

Model	Length	Width	Height	Screen	
				Diameter	Length
MS 1265	1400	1630	1850	1200	650
MS 1500/1300 AS/L	2950	1903	1937	1500	1250
MS 1500/1300 AR/L	2384	1903	1937	1500	1250
MS 1500/1300 AS/HD	2950	1903	1937	1500	1250
MS 1500/1300 AR/HD	2384	1903	1937	1500	1250
MS 1500/2500 AS/L	4134	1903	1937	1500	2500
MS 1500/2500 AS/HD	4134	1903	1937	1500	2500
MS 1500/2500 AR/L	3604	1903	1937	1500	2500
MS 1500/2500 AR/HD	3604	1903	1937	1500	2500
MS 1500/3800 AS/L	5364	1903	1937	1500	3800
MS 1500/3800 AS/HD	5364	1903	1937	1500	3800
MS 1500/3800 AR/L	4834	1903	1937	1500	3800
MS 1500/3800 AR/HD	4834	1903	1937	1500	3800
MS 1500/4900 AS/L	6580	1903	1937	1500	4900
MS 1500/4900 AS/HD	6580	1903	1937	1500	4900
MS 1500/4900 AR/L	6067	1903	1937	1500	4900
MS 1500/4900 AR/HD	6067	1903	1937	1500	4900

AS = Discharge spiral • AR = Discharge chute

L = Low pressure spray device • HD = High pressure spray device



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