



FRICTION WASHER

ADVANTAGES

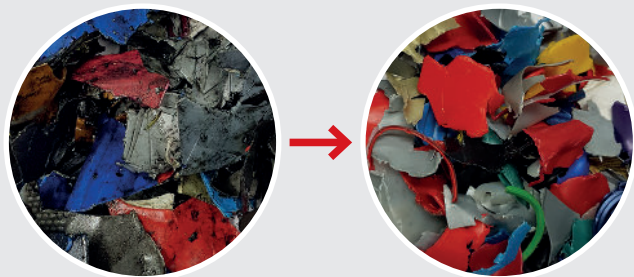
- Effective cleaning with cold or warm water
- Improved separation due to approximately 30 % better screen surface
- Separation of water and impurities, such as paper, organic substances and sand
- Easy replacement of screens
- Rotor with exchangeable blades
- 360° access for maintenance
- Easy assembly and disassembly of cover plates

TECHNICAL DATA	FW500	FW700	FW800	FW1000
Rotor diameter	500 mm	700 mm	800 mm	1000 mm
Rotor length in mm	3000	3000	4000	4000
Screen area	3 m²	5,8 m²	7,2 m²	8,9 m²
Drive	22 kW	37 - 45 kW	45 - 55 kW	75 - 90 kW
Weight kg	1100	3000 - 4000	3000 - 4500	4500 - 5500
Output up to	t/h	t/h	t/h	t/h
LDPE film	0,7	1,3 - 1,8	1,5 - 2,5	3 - 4,5
HDPE / PP regrind	1	1,5 - 2,5	1,8 - 3	3 - 5
PET bottle flakes	1,2	1,5 - 2	1,8 - 3	3 - 5
Beverage packaging	0,8	1,5 - 2	1,7 - 2,5	3 - 4,5

Output rate and technical data are experience values and can deviate depending on material type.

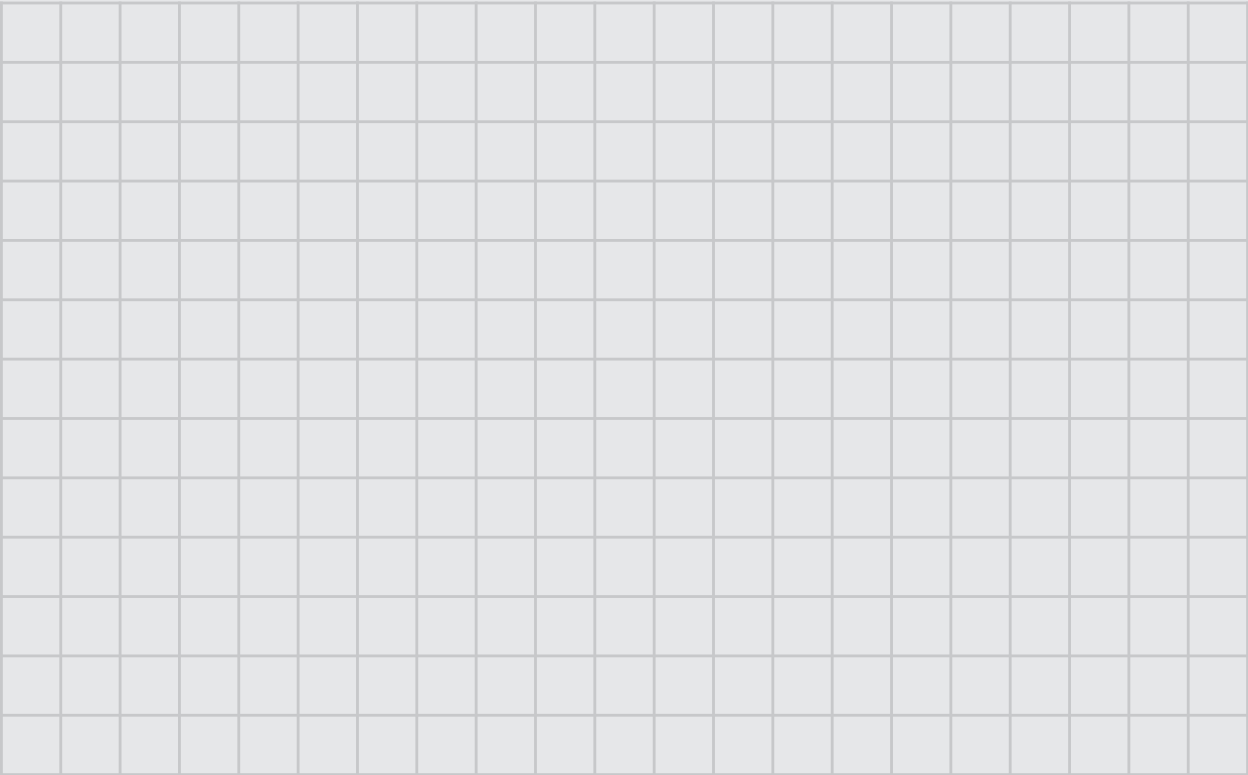


HDPE REGRIND



PP REGRIND (OIL CANISTER)

NOTES



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PRODUCT CATALOGUE
FRICTION WASHER



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FRICTION WASHER

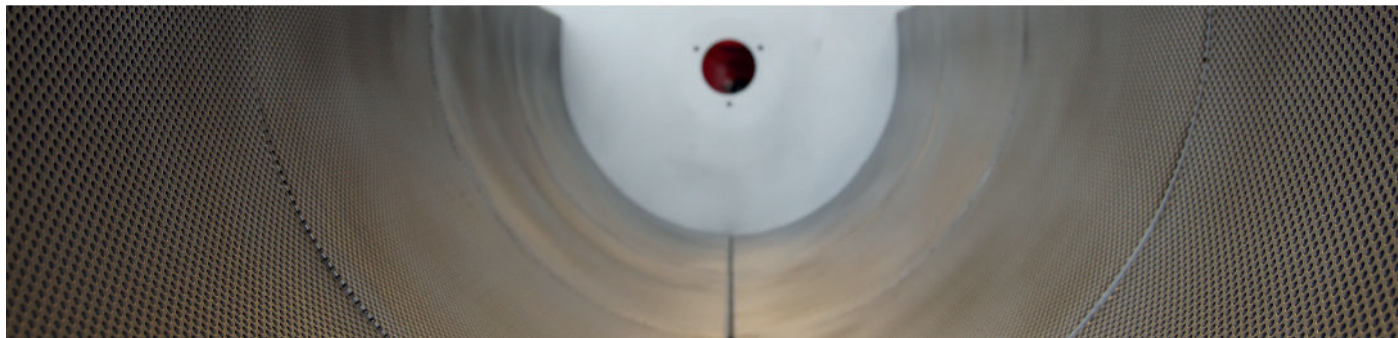


WIPA FRICTION WASHER

The WIPA Friction washer type FW is used for intensive washing and also for dewatering plastics.

The process

The material is fed into the bottom of the friction washer and moved to the top by means of blades mounted on the internal rotor. During the transfer, the material is being continuously thrown against the screen basket mounted around the rotor. This cleans the material and separates water, paper fibers, sand and other contamination substances from the material.



Screen basket

The screen basket of the friction washer has been enlarged by 30%, which means that substantially larger quantities of contamination substances and liquids can be separated.

The tilted cover ensures that the material is being continuously turned around, considerably improving the separation of impurities from it.

As the screen elements have the same dimensions, storage and cost for spare part are reduced, because the elements can be interchanged or be replaced simply. The filter elements in the feed section of the machine are used more intensively than those in the rear part, which means they will wear out quicker. As the dimensions of the screen plates in the front and rear part of the machine are identical, the filter elements in the front can be exchanged with those from the back and vice versa. Consequently you save spare part costs, as the screen plates can be used longer. Separate filter elements also enable the use of different screen perforations. For example, it is possible to have a larger screen perforation installed in the feed section of the machine than in the rear.

Rotor

The FW series rotors are fitted with exchangeable blades. This it's possible to use the most diverse variety of materials and geometrics, customized for your material. Further advantage of the exchangeable blades is that the rotor itself merely functions as a carrier and, therefore, hardly suffers wear and tear.

During operation the rotor has a circumferential speed of around 30 m/s. Consequently the materials are exposed to very high centrifugal forces, ensuring optimal separation of impurities from the material.

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360° Maintenance

The WIPA friction washer type FW has a cover plate on the top and bottom of the machine. The machine can be opened more or less at an angle of 360°, for cleaning or maintenance purposes. To facilitate possible need for inspection, additional inspection hatches are spread over the whole machine.



LDPE FILM



PP BIG BAG / RAFFIA