

## Friction Washer FW45

### Application

The pre-washing of plastic films and flakes requires a huge amount of cycle water. In the friction washer the plastic is subjected to the water shower with a appropriate retention time. By the inclination of the machine the retention time is increased.

In the friction washer the water is directly injected on the material while it rotates in a screen perforated basket. The rotor insures that the material surfaces are released for the water shower. After mechanical cleaning the cycle water can be used many times.

### Technical Data

|                |  |
|----------------|--|
| Rotor diameter | 660 mm                                       |
| Rotor length   | 4,500 mm                                     |
| Rotor speed    | approx. 800 rpm (motor frequency controlled) |
| Total width    | approx. 900 mm                               |
| Main motor     | 45 kW  |

### Features of washer FW45

- Motor three phase current
- V-belt transmission
- Housing as a U-trough with maintenance flaps on the top and bottom, fixing of flaps by screws and quick connect levers
- Screen basket screwed in the trough, diameter: 4, 6 or 8 mm according to customer's requirements
- Rotor fixed on both sides with bearing, wings fixed by welding
- Sealing system with insures minimum water leakage
- Two connection pieces 1" for water rinsing on the right and left hand of the housing, water flow controlled by two pneumatic valves
- One connection pieces 1" for water rinsing on the bottom, water flow controlled by one pneumatic valve
- Three connection pieces 1" mounted on the top for water rinsing of reject with water, water flow controlled by two pneumatic valves
- Screen basket made of stainless steel 1.4301, housing and rotor made of mild steel
- Supporting pillar made of carbonated steel, hot galvanized or painted according to customer's requirements

### Output streams

1. Cleaned film (humidity > 50%)
2. Water with paper fibers, dirt and small plastic particles

**Performance**

film approx. 800-1000 kg/h  
bottle flake approx. 1500-2500 kg/h



*Friction Washer FW45*

Represented in the USA by:

**Extrusion  
Auxiliary Services**

*Your Extrusion Process & Equipment Experts*

3337 Forest Vista Drive  
Dacula, GA 30019

Phone: 678-714-5218

Fax: 678-714-5264

Email: [Info@extrusionauxiliary.com](mailto:Info@extrusionauxiliary.com)