

EFFLUENT SYSTEMS CATALOGUE PAGE

PROCESS WATER RECYCLING SYSTEMS

OUR PROMISE, NO EXTRA CHARGE, INCLUDED IN THE PRICE.

We thrive for success, which is why we insist on coming to you to train your staff, check the installation, and make sure that the processes are working correctly so you are achieving the desired and approved results. We would not offer you anything without approval.

- You will receive free pre-site visit and installation check.
- You will receive a free component assessment.
- We will develop a process which is then approved by you, which is tailored to your specific needs.
- You will learn how to use the machinery safely and efficiently.
- You will be able to ask questions and get personalised training from our experts.
- We will provide after sales consultancy and future project development support.
- We will provide machinery back up support from our experienced team of engineers.

We believe that our free promises are an essential part of our customer service. It is our way of showing you that we are committed to your success for the long run.

Paper band filters are a type of filtration system that is specifically designed to remove contaminants from the effluent discharged from vibratory finishing machines. They are manufactured in various sizes to suit a corresponding discharge rate, and they can be made from either carbon or stainless steel.



BENEFITS:

Water treatment offers a number of benefits, including:

- Excellent filtration efficiency: Paper band filters can remove contaminants down to an exceptionally fine level, typically 10-50 microns.
- Continuous filtration: Paper band filters can operate continuously without the need for manual intervention.
- Compact design: Paper band filters are relatively compact, which makes them ideal for use in tight spaces.
- Durable construction: Paper band filters are made from high-quality materials, making them durable and reliable.

WATER TREATMENT



How it works

The paper band filter works by continuously trapping contaminants on a filter paper. The filter paper is supported by a chain mesh belt, and it is automatically indexed when the water level rises to a certain point. This allows for continuous filtration without the need for manual intervention.

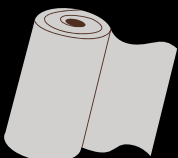
Water treatment machines are used in a variety of industries, including:

- **Metalworking:** Paper band filters are used to remove metal chips and other contaminants from the effluent discharged from grinding machines and other metalworking equipment.
- **Plastics:** Paper band filters are used to remove plastic shavings and other contaminants from the effluent discharged from injection moulding machines and other plastics processing equipment.
- **Foundry:** Paper band filters are used to remove sand and other contaminants from the effluent discharged from casting machines and other foundry equipment.

These systems allow the filtered water to be reused, which can help to reduce water consumption and wastewater treatment costs.

Filter Rolls

Available in a variety of micron ratings, including 10, 20, 45, and 50 microns.



| | ARS25 B0 | ARS25 B60 | ARS25 MN500 | ARS25 MN1000 | ARS140 B1000 |
|----------------------------------|-------------|-------------|---------------|----------------|----------------|
| Capacity (Ltr/Hr) | 300 | 300 | 300 | 300 | 300 |
| Clean Water Tank Capacity (L) | - | 30 | 270 | 556 | 482 |
| Waste Water Tank Capacity (L) | - | 30 | 135 | 260 | 338 |
| Total Tank Capacity (L) | - | 120 | 405 | 816 | 820 |
| Sludge Container Capacity (KG) | 2,5 | 2,5 | 2,5 | 2,5 | 22 |
| Max. Clean Outlet Pressure (BAR) | 0,5 | 0,5 | 0,5 | 0,5 | 0,3 |
| Seperation Factor (G) | 1800 | 1800 | 1800 | 1800 | 2010 |
| Centrifugal Speed (RPM) | 4100 | 4100 | 4100 | 4100 | 2750 |
| Motor Power (kW) | 1,5 | 1,5 | 1,5 | 1,5 | 5,5 |
| Total Power (kW) | 1,5 | 2 | 1,5 | 1,5 | 5,5 |
| Measurements (MM) | 702x413x780 | 680x800x800 | 1560x760x1392 | 2060x1080x1392 | 2120x1275x1695 |
| Total Weight (KG) | 115 | 160 | 290 | 335 | 335 |
| Control Unit | SemiAuto | SemiAuto | SemiAuto | SemiAuto | SemiAuto |
| Chemical Dosing | - | Optional | Standard | Standard | Standard |
| Filtering | Centrifugal | Centrifugal | Centrifugal | Centrifugal | Centrifugal |
| Defoaming | Optional | Optional | Optional | Optional | Optional |
| Water Recycling Rate (%) | 95 | 95 | 95 | 95 | 95 |