STA · MADE IN GERMANY · E&W INDUSTRIAL SERVICE ASIA

STA S-15 Centrifugal Separator

Clean process fluids with zero filter consumables

The problem

Coolants, wash water and surface-treatment baths get dirty fast. That means frequent filter changes, fluids dumped too early, high disposal costs and unstable part quality.

The solution: STA S-15

The S-15 uses about 1,960 x g of centrifugal force to remove fine particles down to 1 µm (depending on flow rate), **without filters or other consumables**. The separated sludge comes out dry and is ready for direct disposal.

Key benefits

- **No filter costs:** no consumables to buy and no used filters to throw away.
- **Longer fluid and tool life:** fewer fluid changes and lower disposal costs.
- **Dry sludge:** residual liquid drains away before the bowl is emptied.
- **Self-priming:** low inlet height of only 16 cm. Easy to install, can be mobile, no separate feed pump needed.
- **Pumps clean fluid back by itself:** peeling pipe with 5 m delivery head.
- **Built for tough conditions:** direct drive, double bearings, and a double-wall housing filled with quartz sand for low noise and vibration.
- **Handles aggressive media:** with special materials, up to 90 °C and pH 1–14.
- **3-phase version available:** removes tramp oil and solids at the same time.
- **German engineering** from STA, specialists in fluid cleaning since 1992.

Technical data

Motor power	**5.5 kW**
Rotor volume	**15 l**
Sludge capacity	**12 kg**
Flow rate	**up to 150 l/min (9.0 m³/h)**
Acceleration	**1,960 x g**
Separation fineness	**down to 1 µm**
Sludge removal	**Manual**
Typical tank size	**up to ~15 m³**

Typical applications

Machining coolants and oils, parts-washing fluids, vibratory finishing water, degreasing and phosphating baths, paint-stripping baths, and glass grinding.

Strong return on investment

The S-15 needs no filters or other consumables, so a cost you pay every month simply disappears. Add longer fluid life, lower disposal costs and less downtime for filter changes, and the separator pays for itself. E&W will gladly calculate the payback period with real data from your plant.

Local support from E&W in Thailand

Site assessment, installation, operator training, local service and spare parts.

Contact us today to find out how much the S-15 can save on fluids in your plant.

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