



Filtration Group[®]
Filtering The World

EFFICIENT FILTRATION OF COOLING LUBRICANTS

Particle discharge system MTS 05

MTS 05

- Treatment of the backwash from VARIO 2 and 3 type automatic filters
- Automatic particle discharge system
- Separation of chips and cooling lubricants by means of sedimentation
- Discharge of dried chips via a spiral conveyor
- Filter aid not necessary

Particle discharge system MTS





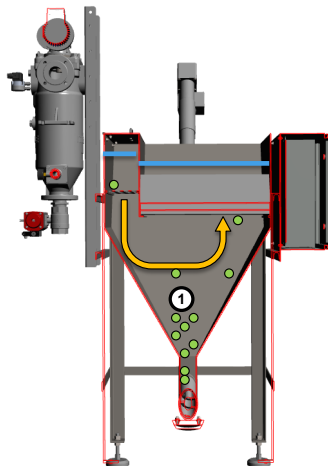
MTS 05

The automatic particle discharge system MTS 05 treats particle concentrate from automatic filters by means of sedimentation. Sedimented particles are discharged from the tank sump via a spiral conveyor. It forms a complete, ready-to-use and fully automatic filter station in combination with an automatic filter and electric control box.

OPERATING PRINCIPLE

The automatic filter AF 113 is suitable for the filtration of cooling lubricants by means of internal pressure segment cleaning and an integrated cyclone effect. The concentrated backwash is treated in the MTS 05. Liquids and particles are separated by means of sedimentation. The solids in the sediment are then discharged via a spiral conveyor. The solid material is compacted and dewatered while being conveyed. The residual liquid then flows back to the sludge tank.

CYCLIC BACKWASHING



1. Sedimentation of particles

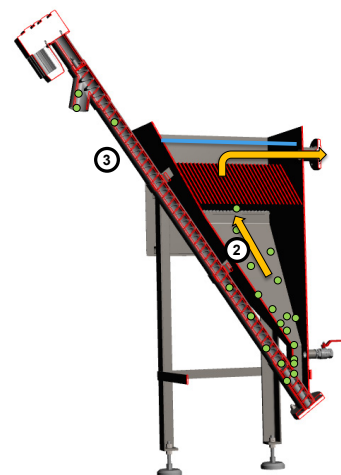
ALL BENEFITS AT A GLANCE:

- No filter aids are required
- Calmed inlet zone to prevent turbulence
- Better fine separation of the particles by means of an integrated lamella plate package
- Automatic discharge of the particles via a spiral conveyor
- Very good sediment dewatering

AREAS OF APPLICATION

The particle discharge system is mainly used in the metal cutting sector for the treatment of cooling lubricants and in particular for emulsions. The MTS 05 was developed as an accessory for VARIO 2 and 3 type automatic filters.

SEPARATION OF THE PARTICLES



2. Fine separation by means of the optional lamella package
3. Conveying with a spiral conveyor

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