

GRINDAIX FILTRATION TECHNOLOGY

Complete system GRX 6.64: Automatic backwash filter with Fleece belt filtration of the discharge

Your advantages:

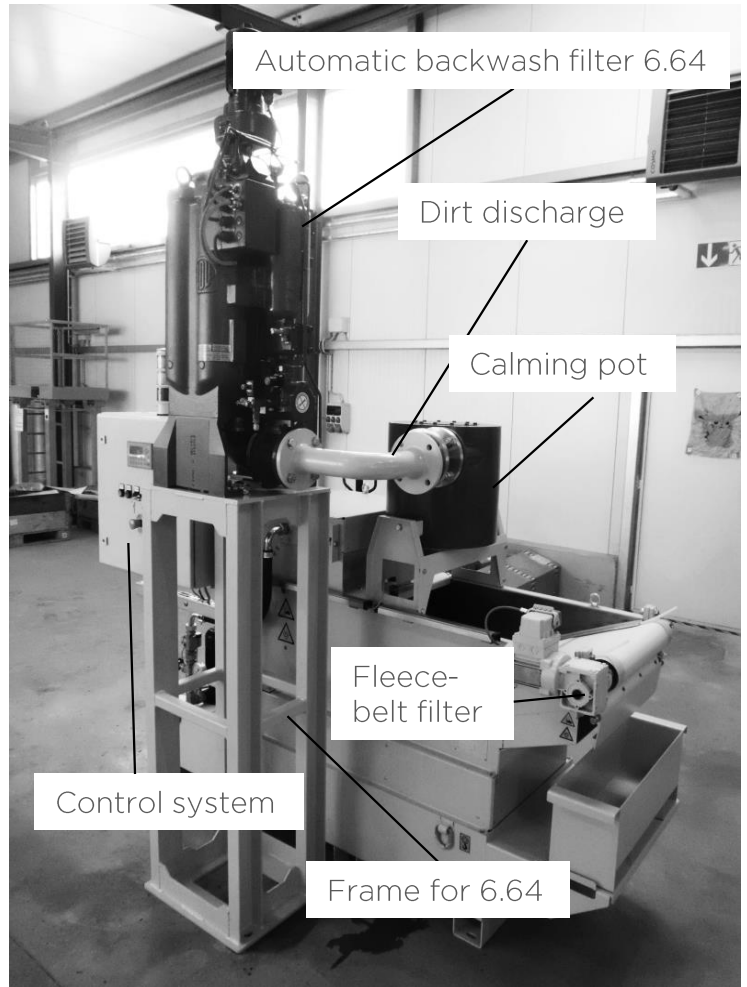
- Low investment costs
- Small footprint (2-4m²)
- Flow rate: 500-1.500 l/min
- Lubricoolant purity: 10-30µm (nominal)
- Commissioning (plug&play)
- For oils and emulsions

The purity of your cooling lubricant is a central component of a cooling lubricant supply system that functions according to requirements.

Often existing filtration plants are working at their capacity limits. With the Grindaix Filtration System you can expand your filtration capacity and improve your coolant lubricant purity.

We deliver to you:

- a) A supporting **additional filtration** to your existing filtration system as bath care (additional cleaning of your lubricoolant) for oils and emulsions
- b) A **protective filtration system** for supplying dirt-sensitive KSS system components
- c) A **protective filtration** for your machine tools

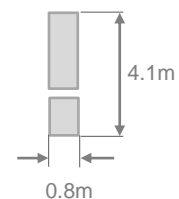
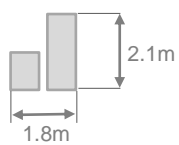
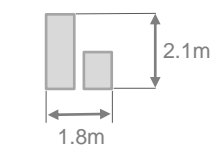


Your selection / necessary information

INSTALLATION ARRANGEMENT*

TOP VIEW

HEIGHT: 2,55m



* Dimensional deviation depending on installation condition possible!

MACHINED MATERIAL

- STEEL
- ALU
- CASTING
- APPLICATION AS ...
- PARTIAL FLOW FILTRATION
- BYPASS BATH CARE
- FULL POWER PROTECTIVE FILTRATION
- THEIR PRIOR DECISION
- < 2mm < 120µm
- FLOW (l/min)**
- 500 1.000
- 750 1.500

** Deviation depending on KSS type and dirt freight possible!

FILTRATION FINENESS

- 10
- 20
- 30
- Replacement candles set of
- Spare roll of fabric fleece
- COOLING LUBRICANT
- OIL
- Viscosity (40°C) (cSt)
- Emulsion

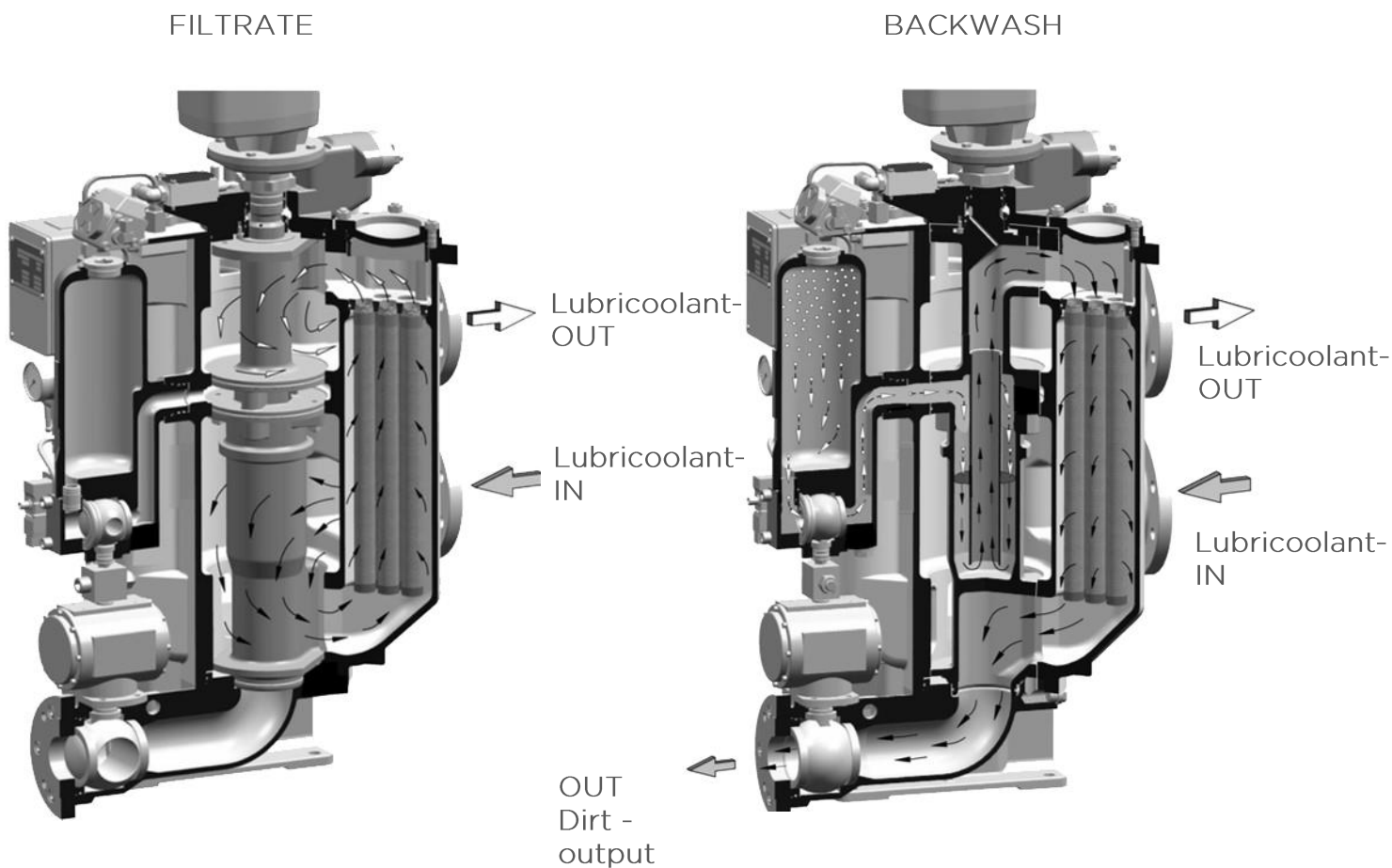
How it works

The dirt of your cooling lubricant is trapped in the GRX-6.64 automatic backwash filter in metal mesh candles (mesh width 10-30µm) and can be backwashed both time-controlled and differential pressure-controlled via air pressure, i.e. with pneumatic support. The fabric candles clean themselves fully automatically. The back-flushed dirt cake, together with the cooling lubricant, is placed on a fabric of an associated fleece band filter (gravity principle) via a calming pot. The dirt discharged by the automatic backwash filter is thus transferred in dry form to a sludge container. The cooling lubricant filtered from the dirt cake in the multi-belt filter is returned to the dirt tank of your filtration system to avoid discharge losses.

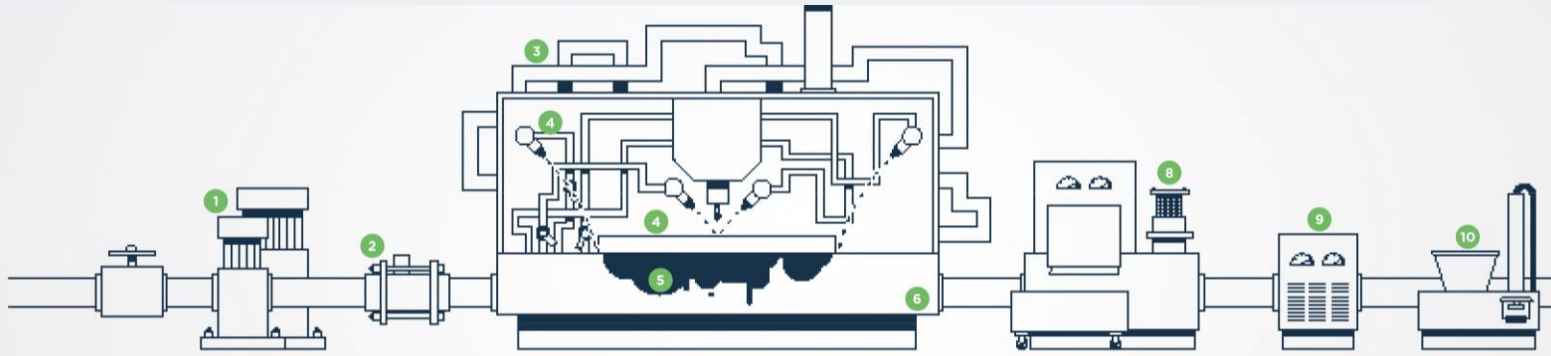
The cleaning cycle of one of a total of 6 candle packs/chambers takes only 12 seconds and can be carried out at any time if the coolant supply and pressure are sufficiently dimensioned.

Our Grindaix specialists will be happy to take care of the exact design of the system, including printing specifications, dirt load coordination, selection of the fabric candles and the necessary nominal filter fineness, adapted to your requirements.

The installation is very easy to manage and can be carried out by our technicians on site in your production facility if desired.



We check on site:



1 Pumps

Dimension, friction losses, number, pressure control

2 Valves

Size, type, frequency control, stationary operation, operating costs

3 Pipelines

Size, type, diameter, friction loss, elbows, taps

4 Nozzles

Quantity. Size, type, process supply, high pressure cleaning
Bed flushing

5 Cooling lubricant

Type, viscosity, degree of purity, foam formation, operating costs

6 Machine bed

Cleaning, temperature control, return transport, foam formation

8 Filtration

Size, type, filtration capacity, Pump sizing, Operating costs

9 Cooling

Size, type, cooling units, Friction losses, operating costs

Your professional partner
around all Lubricoolant system questions

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