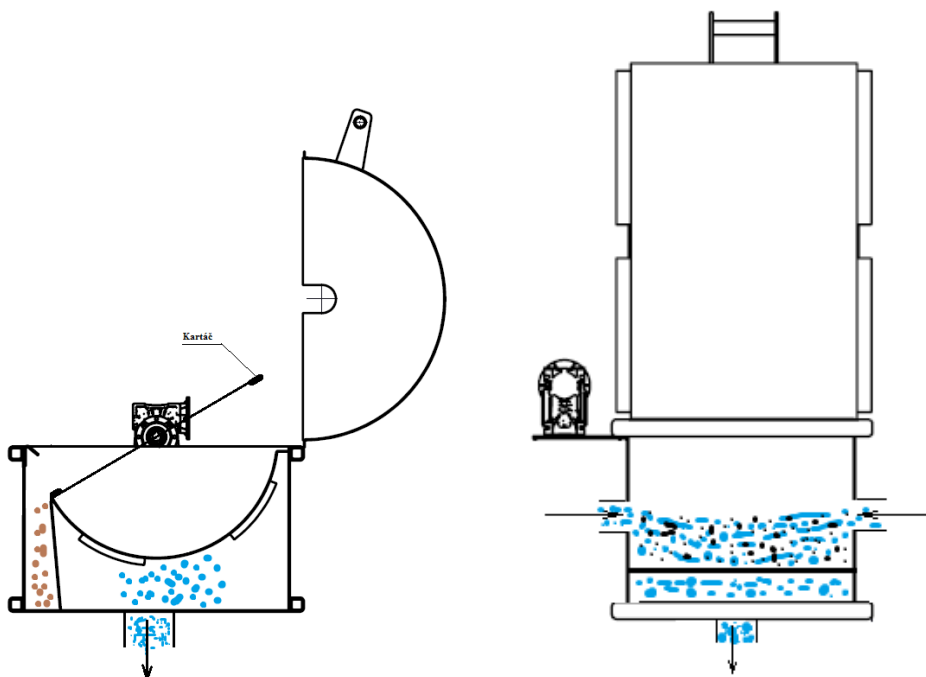


Drum filter

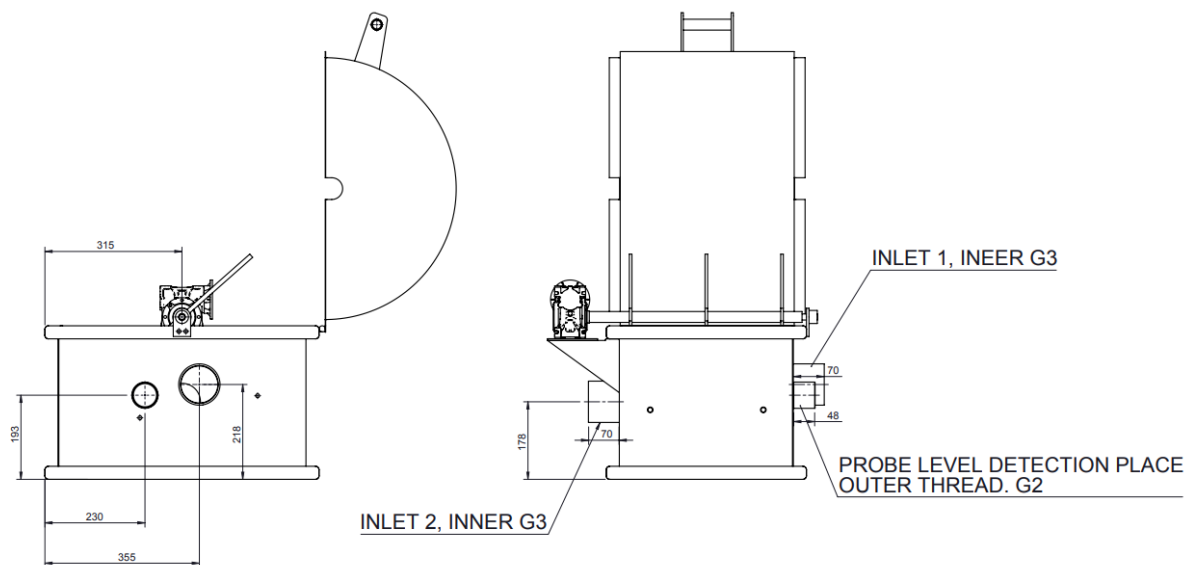


Wiped drum filter is used for continuous separation/pre-treating of sludge waters from solid, not suspended solid particles above 2 mm size.



Parameters:

- Orifice size $d = 2 \text{ mm}$
- Maximum inflow – 4 l/s ($14.5 \frac{\text{m}^3}{\text{h}}$)
- 2x inlet G3“ – inner thread
- 1x G2 outer thread – place for level sensor installation
- DN100 outlet - flange
- Brushes motor: 0.13 kW, 3x400 V 50 Hz, 0.4 A
- Operating ambient temperature: 0-50 °C
- Weight: 45 kg
- Material: DIN1.4301 / AISI304



Operation principle:

When drum filter is in operation, do not leave the upper lid open. Connect inlet and outlet piping. Put a container/conveyor to solid discharge area.

During operation, sludge water flows through drum filter, solid particles (branches, rocks, textile...) remains on the perforated metal sheet, while liquid flows through orifices into the outlet pipe.

To decrease flow speed, there are two inlet points, located on opposite walls. If smaller inflow is used, you may connect inlet through one inlet only, and blind another one.

There is a service point for water level sensor installation (sensor is not part of standard supply).

CAUTION: In case, you don't plan to use water level sensor, you need to blind the service point for normal operation of drum filter.

Captured solid particles are wiped off from perforated metal sheet into the solid particles discharge point.

Motor of the drum filter must be protected against short-circuit and overload (rated current is mentioned above) by suitable thermal protection and circuit breaker (or device, combining both). Motor can be loaded continuously.

Time control can be used for brushes wiping operation or water level sensor state (if equipped).



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