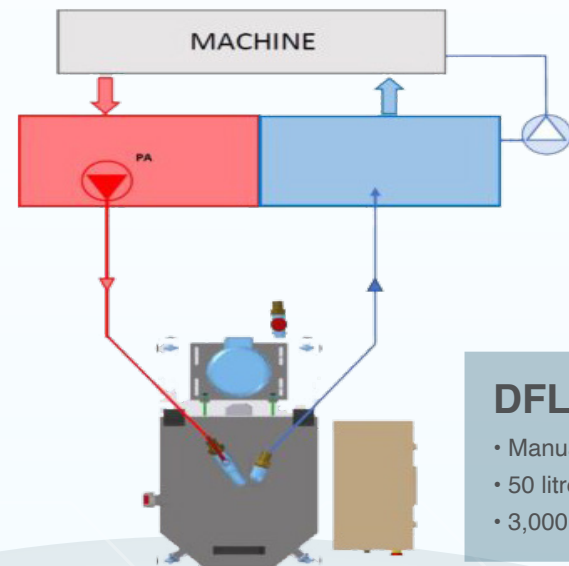


# WATER TREATMENT

Designed for treatment of water containing glass powder fines and contaminants occurring during processing. The centrifuge is suitable for recycling and treating water from cutting, grinding and edging.

Our centrifuges are powered by a submerged pump located in the tank of the process machine. The solids in the water (glass particles, silica, diamond wheel components, polishing compounds) are separated by continuously pumping the water into the rotating cylinder, which generates a centrifugal force, causing the 'solids' to form on the sidewalls of the cylinder while the clean water is naturally pushed out through the upper cylinder section and back into the system.



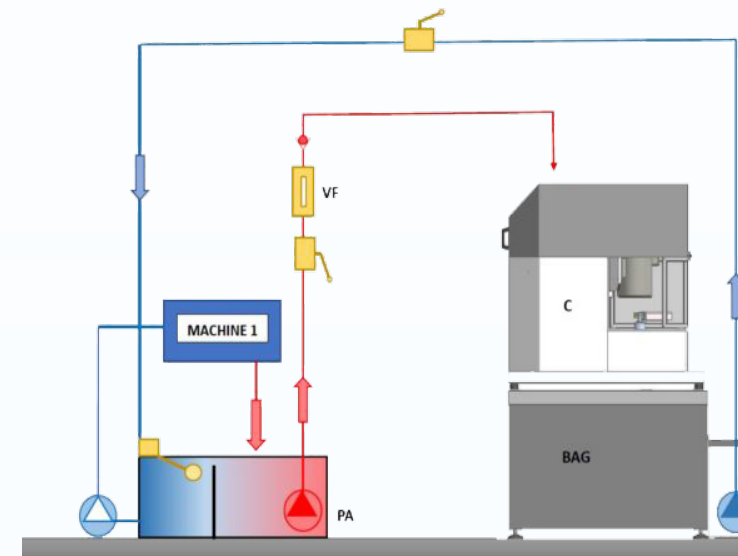
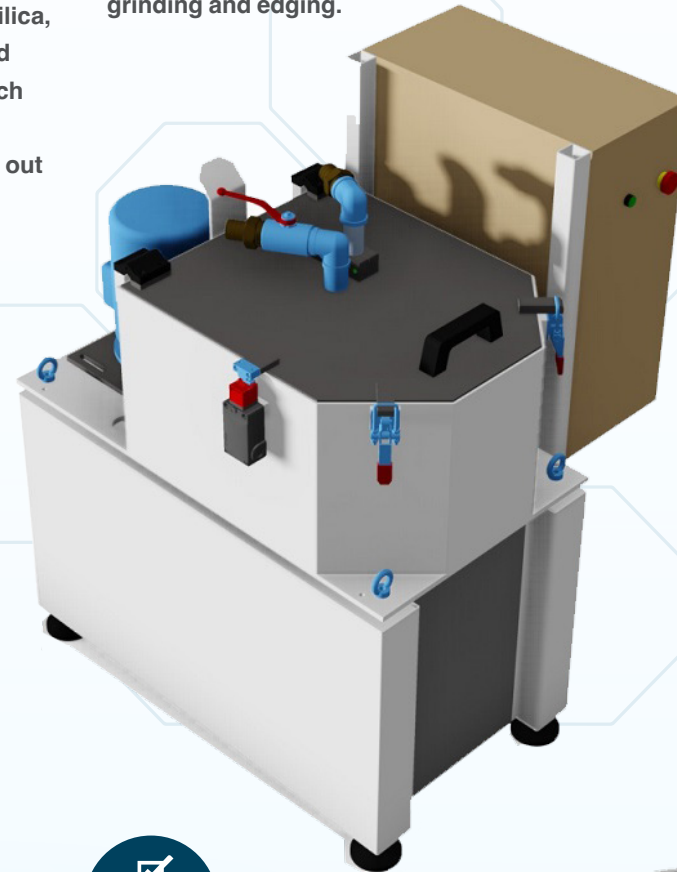
## DFL50M

- Manual operation
- 50 litres per minute
- 3,000 litres per hour

Waste and solids which are suspended in the water, are separated out by a centrifugal action, with the clean water suitable to be recycled and reused for the same process.



EASY TO USE



## DFL150A

- Automatic operation
- 150 litres per minute
- 9,000 litres per hour

Clarification takes place by pumping the dirty water to the removable centrifuge drum at a controlled flow rate, directing it strategically into a specially shaped and purposely designed rotating drum cylinder.

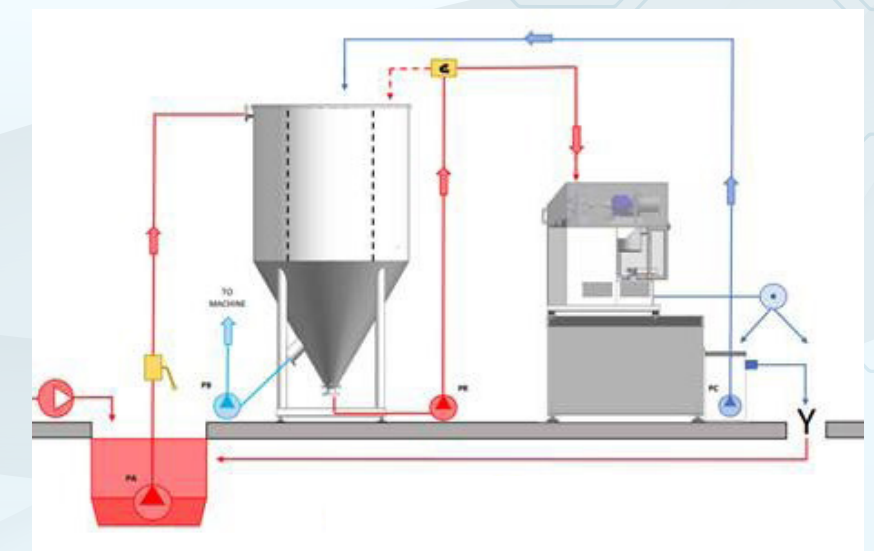
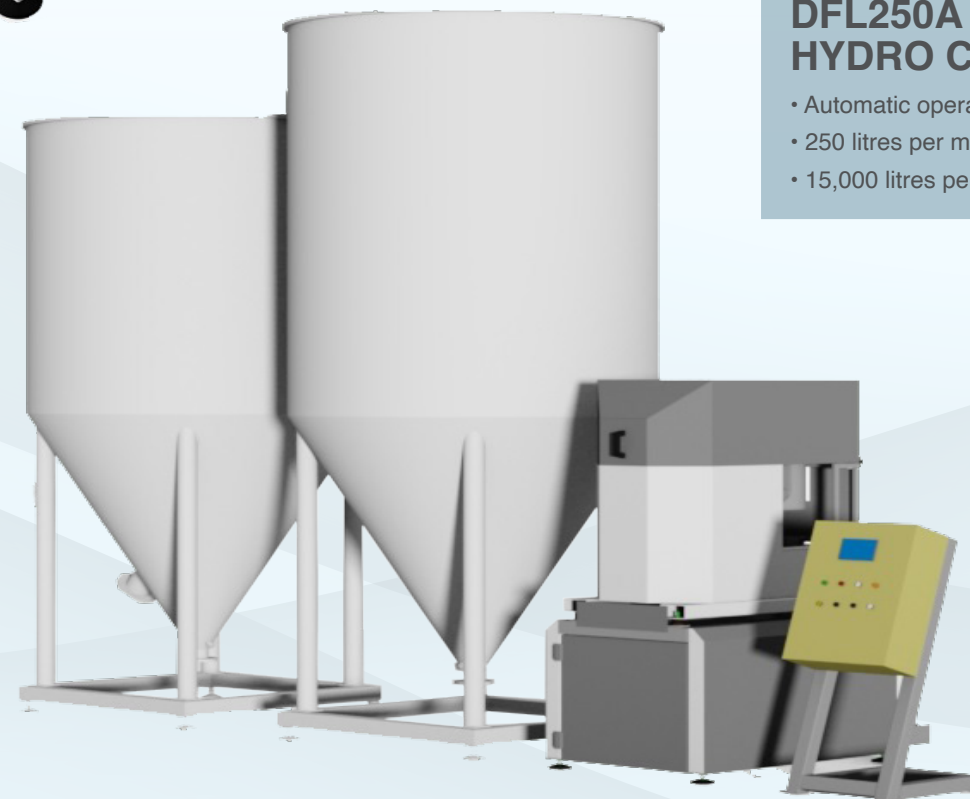
Centrifuges with fully automatic solid discharge can be combined with a hydro cyclone tank. Integrating a hydro cyclone system means that it is possible to treat 100% of the waste water by separating and discharging the dehydrated solids from the Centrifuge.



Operation with the hydro cyclone: From a pit the waste water is pumped to the hydro cyclone, the feed and flow of the dirty water and the geometry of the hydro cyclone are specially designed to cause a spiral movement along the sides of the container towards the bottom of the cone. This vortex causes the solids to collect in the bottom which are then sent to the Centrifuge for removal.

## DFL250A + HYDRO CYCLONE

- Automatic operation
- 250 litres per minute
- 15,000 litres per hour



## TECHNICAL FEATURES



## ECONOMICAL

Economical in space and operating power, the DFL50M is 800mm wide by 900mm long and requires a 16A power supply. Both the DFL150A and DFL250A stand in a space of 7m by 2.5m with 21kW and 45kW installed power supply respectively.



## ECO-FRIENDLY

No flocculants or chemical additives are used in the purification process. Due to removal of solids from the water down to 5 microns in length, the purified water can be harvested and recycled and the waste solids can be environmentally disposed.

