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FREDERICK CROWTHER AND SON LTD

**CROMAR**

EST 1955

# Hydra Cyclone Filtration

Used for removing sludge and  
provide super clean media filtration.

Casing  
Fully welded stainless  
steel casing



“Reliable swarf  
and coolant  
management”

## Applications

Cromar in developing its filtration solutions has gone back to proven technology with the inclusion of Hydra cyclone technology. Using the VDF (Vortex Dynamic Filter) it offers super clean media free filtration down to 10 microns.

- ⦿ Media free filtration
- ⦿ No moving parts
- ⦿ Down to 10 micron filtration
- ⦿ No coolant aeration
- ⦿ Through spindle applications
- ⦿ High pressure coolant applications
- ⦿ High surface finish applications

# How it works...

The Hydra Cyclone Separator is a Vortex Dynamic Filter. Coolant is delivered in to the Cyclone at an optimum pressure of 0.2Mpa to deliver the centrifugal force to separate the solids in suspension in the fluid. This system has the ability to remove 99% of 25um sludge and up to 90 % of 10um. Dirty liquid is concentrated in a sludge pod with clean coolant being syphoned off to the super clean tank. As the sludge pod increases in density the debris falls out on to the conveyor flights. This system does not suck air and as such delivers clean stable coolant to the super clean.

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