Compact Hydrocyclone Assemblies

- **POWERFUL HYDROCYCLONES**
- **FINE SOLIDS SEPARATION**
- **SMALL FOOTPRINT**
- **SIMPLE TO INSTALL**
- **EASY TO MAINTAIN**
- **REDUCED CAPITAL COSTS**

TYPICAL APPLICATIONS

- **Source and Process Water**
- **Industrial Minerals**
- **Metallic Minerals**
- **Power**
- **Food**
- **Tunnelling**
- **Vehicle Washing**
- **Textiles**
- **Fertilisers**

When space is at a premium Salter Cyclones have a range of solutions, for packaging hydrocyclones, that are compact and lightweight and offer the smallest footprint.

These can be provided as individual units which are available with a stand, underflow and overflow launders or as a radial of a number of assemblies.

Project costs are reduced as the assemblies are simple to install with less interconnecting pipework and space requirements than conventional designs.

Salter Cyclones' assemblies are available to house hydrocyclones from 10mm to 125mm (0.4 to 5 inch) Manufactured in highly abrasion resistant polyurethane, the hydrocyclones are suitable for a range of operating temperatures up to 130℃.

Where conditions are more arduous, canisters or pressure vessels can be supplied fitted with 10mm to 75mm (0.4 to 3 inch) ceramic hydrocyclones or polyurethane hydrocyclones with ceramic components.

All of our hydrocyclones are offered with a range of vortex finders, spigot sizes and body extensions for maximum performance optimisation .

Blank vortex finders can be supplied as well as operating vortex finders, giving full operational flexibility for when feed flowrate varies.

In addition, the vortex finders can be provided with ceramic extensions to reduce residue in the product.

"Canister" assemblies: **10mm to 75mm (0.4 to 3 inch) hydrocyclones**
The standard one way and six way 10mm canisters are manufactured in Polypropylene. All other sizes of canisters are in stainless steel.

Maintenance is simple with easy access to the canister for inspecting and cleaning the hydrocyclones and filter as necessary, or during planned shutdown.

"**Mushroom" assemblies: 22mm to 125mm (1 inch to 5 inch hydrocyclones)**
Again maintenance is simple. The quick release cover gives fast access to the Hydrocyclones. Spigots are easily accessible and can be quickly changed out with a snap-off/snap-on movement without having to remove the cover.

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3 inch and 1 inch hydrocyclone pressure vessels under test at Salter Cyclones

Fully Enclosed Vessels: 10mm to 75mm (0.4 to 3 inch) hydrocyclones

In applications where the hydrocyclones need to be operated with a pressurised discharge, or where the service is particularly arduous, ceramic hydrocyclones mounted within fully enclosed vessels could be the answer. These can be provided in a range of designs from simple assemblies, built to sound engineering practice, up to fully coded pressure vessels in high alloy steels.

FULL TECHNICAL SUPPORT

After a thorough assessment of feed data, we will recommend the most suitable hydrocyclones for the project. We can offer trials which may include laboratory, pilot plant and full scale studies either on-site or at our own facilities, or a combination of both.

We have a multi-disciplined team of design engineers, project managers, on-site commissioning engineers and after-sales service staff offering customer support throughout the lifetime of a project.

SCM2030 - 30 way 2 inch Mushroom Assembly

1 way 10mm Assembly

SC2018 - 18 way 2 inch Canister Assembly operating as a pilot unit on site in Far East

For more information on this or any other Salter Cyclones product, please contact :

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