

CONTACT DETAILS

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- CLASSIFICATION
- DESANDING
- DEGRITTING
- DESLIMING
- THICKENING/DEWATERING
- SOLIDS REMOVAL

- HYDROCYCLONES
- TEST RIGS
- LAB MINERAL SEPARATORS
- MULTI-GRAVITY SEPARATORS
- SPARES & SERVICE
- TEST WORK

GOING NUCLEAR

One-inch and three-inch Hydrocyclones have been supplied for the dewatering of solids associated with sludge and resin retrieval systems. Initial test work was done at our laboratory on simulated feed and as a result it was established that, over a wide range of feed conditions, between 98% and 100% of any solids treated could be removed in a two stage Hydrocyclone system. The ceramic Hydrocyclones are housed in high specification pressure vessels.



IMPROVING THE ENVIRONMENT

As part of the long term solution to treat the emissions dust from a steel manufacturing site, the client has set up a test programme



for a dust treatment system and salt washing. Two 2-way five-inch Hydrocyclone packages were supplied for an initial phase. They will be incorporated into the process, separating lead and zinc from the blast furnace sludge and solids from the dust catchers.

TREATING RIVER WATER

A client in the power industry has had problems with filters blinding when they have had peak suspended solids for short periods.

Two-inch Hydrocyclones are being installed to protect the downstream plant. The Hydrocyclones are fitted into four, 24-way

canisters mounted on a radial assembly which includes a distributor and overflow and underflow launders. Individual canisters can be brought on-line to match changes in the flowrate.



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REMOTE OPERATION

Many mining companies are investing in remote control systems to reduce energy costs and help with the labour shortage and skills gap. The lack of qualified personnel cannot be resolved by technology alone but remotely controlled processing can help and offers significant benefits.



Hydrocyclones lend themselves to this kind of operation. There are no moving parts, they are simple to operate and require little maintenance.

GREATER CAPACITY BUT NO CHANGE TO SITE



A client in Australia wanted to expand their capacity without increasing footprint. The answer was to replace 2-inch Hydrocyclone canisters with seven, 12-way 60mm Hydrocyclone canisters which give the separation required and increase capacity whilst reusing the current Hydrocyclone infrastructure.

NEW PERSONNEL

Nick Williams is an experienced Mechanical Design Engineer and joined us in January. He has taken over from Neil Farnfield who retired at the end of June.

Alie Yumkella is a Chemical Process Engineer with 10 years of operational and design experience in the mining and mineral processing industry. He has joined us as Technical Manager and will work closely with Geoff and Paul.

SPARES



Don't forget we can offer a full range of spares for Hydrocyclones, Test Rigs, Multi-Gravity Separators and Laboratory Mineral Separators.

Please contact our Spares Manager, Lyndon Collier for prices and lead times

lyndon.collier@saltercyclones.com.

PLEASE DO NOT HESITATE TO CONTACT US FOR FURTHER INFORMATION ON ANY OF OUR PRODUCTS OR SERVICES

Salter Cyclones Ltd is committed to doing business ethically and has a Business Conduct policy in accordance with the UK Bribery Act 2011.