

FOR IMMEDIATE RELEASE

Cavex® 700cvx Hydrocyclone Maximises Throughput

Within Existing Cyclone Cluster Footprints

The new Cavex® 700CVX hydrocyclone from Weir Minerals can achieve up to 50% higher throughput capacity in comparison with competitor cyclones in the 26 inch diameter range, due to its larger inlet and vortex finder configuration.

According to Sheldon Gabriel, product manager cyclones of Weir Minerals Africa and Middle East, the Cavex® 700CVX hydrocyclone has a small, more space efficient body, making it ideal for new installations. “It is also perfectly suited and sized to fit into existing cyclone clusters for easy retrofitting, adding substantially to increased capacity. This hydrocyclone is the result of extensive research and development by the company and underlines our philosophy of driving customer centricity in all product development.”

Mark Lockyer, Weir Minerals’ global product manager hydrocyclones, says that the need to increase throughput to maintain production levels is a reality for much of the industry, with many mines having to process more ore than they have in the past. “In these conditions, increasing throughput is essential. Sites that can achieve higher throughput with minimal capital expenditure certainly have a competitive advantage.”

Gabriel says that Cavex® hydrocyclones have been highly regarded for their proven efficiency and high capacity performance for decades. Cavex® CVX hydrocyclones are designed to withstand severe abrasion caused by the rotational flow of solids and slurry.

“The unique shape of the Cavex® hydrocyclone range features a laminar spiral inlet geometry that allows the slurry to follow a natural path without encountering any shelves, edges or corners. This reduces turbulence inside the hydrocyclone, which helps maximise separation efficiency, hydraulic capacity and wear life, while minimising localised wear in the feed chamber and vortex finder.”

Weir Minerals Africa is dedicated to ensuring its products maximise throughput both within current plants and in greenfield operations. The Cavex® 700CVX hydrocyclone is typical of the company’s

commitment to best practice and is backed up by Weir Minerals' extensive global service and aftermarket support.

The harsh African mining conditions provide particularly tough operating conditions for installed equipment, but this has been catered for with the Cavex[®] 700 CVX hydrocyclone, which features fabricated steel or cast ductile casing, replaceable elastomer liners up to 45 mm thick, ceramic lower cones, rubber lined steel vortex finders, rubber or ceramic spigots, rubber lined steel overflow pipe or air core booster caps.

Weir Minerals delivers end-to-end solutions for all mining, sand and aggregate transportation, milling, processing, waste-management and comminution processes across a range of industries and in more than 30 different countries. Weir Minerals Africa benefits from the global investment into benchmark technology development and the vast experience gained by the local operation in a multitude of African installations.

About Weir:

The Weir Group is one of the world's leading engineering businesses. We are committed to creating innovative engineering solutions. We provide products and services to customers in the minerals, oil and gas and power sectors. Weir's customer base includes the world's largest mining houses, major oil services businesses and nuclear and conventional power generation companies.

Weir is a FTSE 100 company founded in 1871 and headquartered in Glasgow, Scotland. Our commitment to engineering excellence, research and customer focus extends equipment wear life and operational capability in some of the world's most challenging environments.

Weir is committed to going where our customers go, with a worldwide network of around 200 manufacturing facilities and service centres. The business has a presence in more than 70 countries, with over 16,300 people around the world working in three divisions: Minerals; Oil & Gas; and Power & Industrial. Annual revenues were more than £2.4 billion in 2014, of which almost two thirds came from the provision of services and aftermarket support.

See weir.co.uk for further information. Follow us on Twitter @WeirGroup.

About Weir Minerals

Weir Minerals employs more than 8,900 people worldwide, delivering end-to-end solutions for all mining, dewatering, transportation, milling, processing and waste management activities. Annual revenues were more than £1.2 billion in 2014. Weir Minerals has an advanced product range incorporating brands such as Warman® centrifugal slurry pumps, GEHO® PD slurry pumps, Linatex® rubber products, Vulco® wear resistant linings, Cavex® hydrocyclones, Trio® crushers and screens, Enduron® comminution equipment, Floway® Pumps vertical turbine pumps, Isogate® slurry valves, Multiflo® mine dewatering solutions, Hazleton® specialty slurry pumps, and Lewis® Pumps vertical chemical pumps — covering virtually any application, in any environment. The Weir Minerals global network ensures they are close to their customers wherever they may base their local operations. For more information, visit www.weirminerals.com

CAVEX 700 CVX HYDROCYCLONES PIC 01 : The new Cavex 700 CVX cyclone offers increased throughput due to its unique design features.

CAVEX 700 CVX HYDROCYCLONES PIC 02 : Sheldon Gabriel, product manager for cyclones at Weir Minerals Africa.

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FROM : CORALYNNE & ASSOCIATES
TEL : +27 011 849 3142
EMAIL : communicate@coralynne.co.za
WEBSITE: www.coralynne.co.za

FOR : RENE CALITZ
WEIR MINERALS AFRICA (PTY) LTD
TEL : +27 011 929 2622
EMAIL : r.calitz@weirminerals.com
WEBSITE: www.weirminerals.com