

Modular Attrition Cells

Linatex® attrition scrub cells provide maximum energy transfer to ensure coating removal or material preparation

Linatex® attrition cells are designed for heavy duty applications. The multiple, shaft mounted, turbine type impellers generate opposing slurry flows that provide high particle-on-particle impact. This impact will remove clays or chemical coatings to provide the cleanest available product. In addition, these units can be used for material preparation or enhancing the physical characteristic of a material. In order to give the maximum particle-on-particle contact, the ideal solids concentration is 70 to 80%. Weir Minerals Linatex uses only the highest quality drive systems to handle the extreme demands of this process.

Features

- Tank is designed to minimize vortexing, back-mixing, short circuiting and dead zones
- Available with twin or triple turbines to provide maximum energy input (shear) to the pulp volume
- Multiple options for tank and impeller lining material, including Linatex® rubber
- Heavy duty agitator drives and agitator speed reducers

User benefits

- Custom designed agitation intensity and superior tank hydrodynamics lead to very cost effective installations compared with typical industry attrition cells
- Reduced operating, maintenance and cell refurbishment costs
- Premium Linatex® rubber will extend unit life over traditional cell lining



1: Triple turbine without mounted paddles

2: Two cell unit (hexagon shape)

3: Internal of hexagon cell (unlined)



Attrition Scrub Cells

Volume of unit	Number of cells	Shape of cells	Capacity	
.9 m ³	31.8ft	1	round with baffles	35stph
1.7m ³	60.0ft	1	round with baffles	65stph
3.4m ³	120.1ft	1	round with baffles	133stph
7.9m ³	279.0ft	2	hexagon	310stph
15.8m ³	558.0ft	4	hexagon	620stph

Note all capacities are based on 2 minutes retention time and a material of 2.65 S.G.

Geographical footprint

Weir Minerals has the geographical presence to service all the major minerals markets around the world. This global supply capability provides a competitive advantage in this relatively fragmented market.

Weir Minerals has operations across:

- North America
- South America
- Africa
- Russia
- Europe
- Australia
- Asia

Customer profile

Our customers range from the world's largest minerals and mining multinationals to single pumpset operators.

We support customer operations worldwide with consistent products and local engineering expertise. As part of The Weir Group, we have the reach and resource to build close, long term relationships with all our customers, helping them to achieve ...

The Lowest Cost of Ownership

Service and support

This global capability with our own dedicated service teams combined with the service centres of our sister companies within The Weir Group and those of our strategic partners provide support in virtually every developed market.

WARMAN® Centrifugal Slurry Pumps
GEHO® PD Slurry Pumps
LINATEX® Rubber Products
VULCO® Wear Resistant Linings
CAVEX® Hydrocyclones
FLOWAY® PUMPS Vertical Turbine Pumps
ISOGATE® Slurry Valves
MULTIFLO® Mine Dewatering Pumps
HAZLETON® Specialty Slurry Pumps
LEWIS® PUMPS Vertical Chemical Pumps
WEIR MINERALS SERVICES™



For further information on any of these products, service or support services contact your nearest sales office or visit:

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