

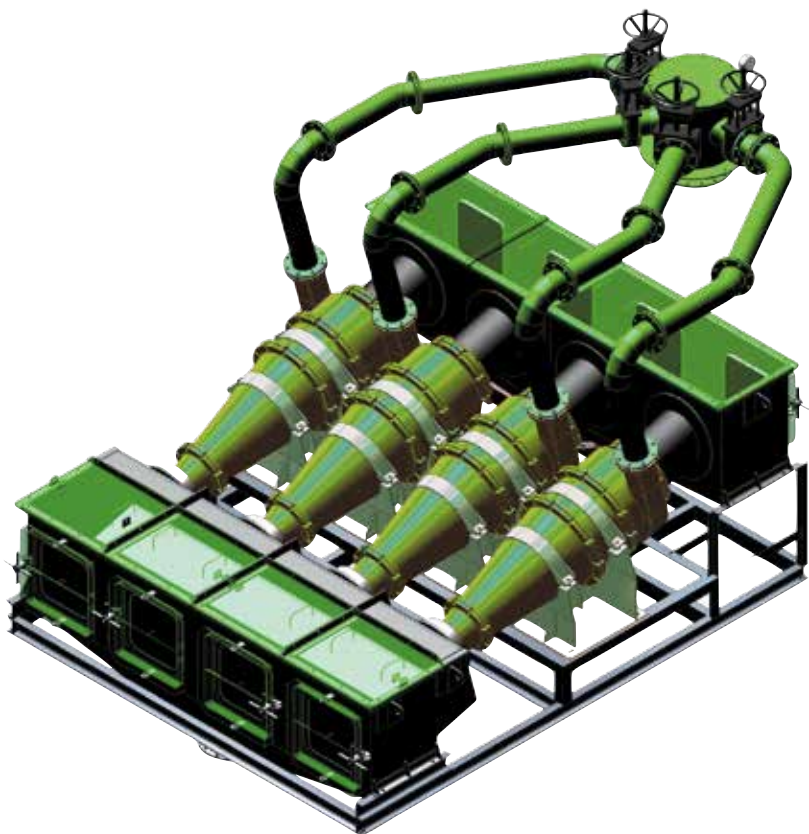
Multotec Cyclone Distributors for Dense Medium Applications

Completely Assembled Structures

- Includes base frame
- Features lockable inspection doors
- 25mm thick ceramic tiling of internals
- Ease of maintenance

Vortex Extension

- Provides for easy removal of cyclone
- Simplifies vortex finder replacement
- Makes cyclone inspection easier

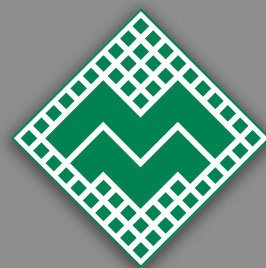


Rubber Seals

- Prevent spillage
- Simplify cyclone removal and installation
- Prevent doors from jamming with solids



A completely assembled Multotec Dense Medium Cyclone Distributor, awaiting shipping to a Russian diamond operation.



MULTOTEC

Australia Brisbane

Tel: +61 (7) 3442 0100
Fax: +61 (7) 3200 7733
E-mail: australia@multotec.com

Australia Perth

Tel: +61 (8) 9406 3500
Fax: +61 (8) 9302 1732

Botswana

Tel: +267 (7) 173 5604
E-mail: botswana@multotec.com

Canada

Tel: +1 (780) 433 8825
Fax: +1 (780) 433 8836
E-mail: canada@multotec.com

Chile

Tel: +56 (2) 745 3317/3302
Fax: +56 (2) 745 3432
E-mail: chile@multotec.com

Ghana

Tel: +233 302 517 821
E-mail: ghana@multotec.com

Mozambique

Tel: +258 840 649 544
E-mail: mozambique@multotec.com

South Africa

Tel: +27 (11) 923 6285
Fax: +27 (11) 394 8701, 394 5099
E-mail: marketing@multotec.com

Zambia

Tel: +260 212 313 354
Fax: +260 212 312 422
E-mail: zambia@multotec.com

Zimbabwe

Tel: +263 (4) 79 6201
Fax: +263 (4) 79 6202
E-mail: zimbabwe@multotec.com

www.multotec.com

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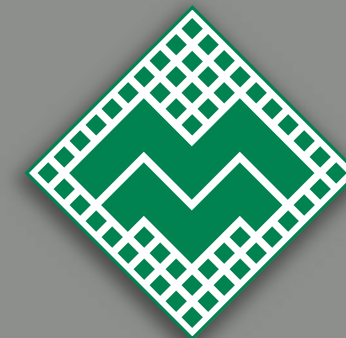
Multotec products are subject to continuous development and Multotec reserves the right to make changes to the specifications and design of their products without prior notification.

A complete list of our directors is available on request at the above e-mail address.

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MULTOTEC

Cyclone Distributors



Your Process Equipment Specialist



Multotec Cyclone Distributors

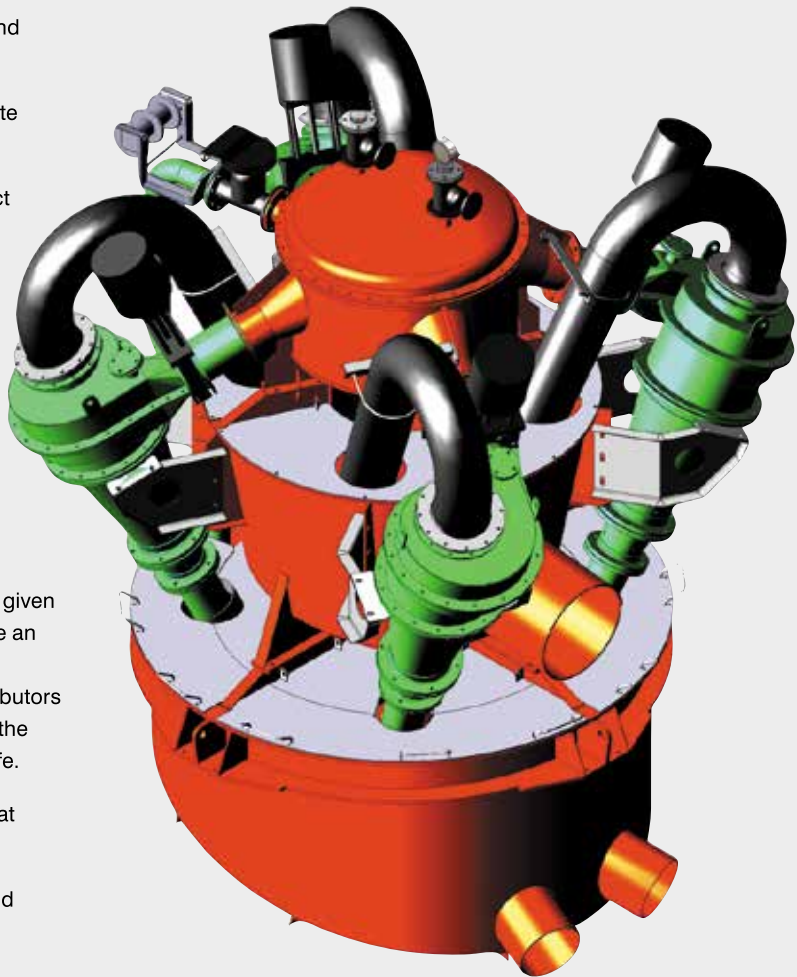
- Cost effective
- Highly efficient
- Long lasting
- Custom designed to meet client requirements

• Multotec cyclone distributors are fabricated from mild steel and lined internally with rubber or alumina tiles

• Highly qualified metallurgical staff ensure prompt and accurate advice on all aspects of cyclone sizing and distributor design

• The Multotec cyclone distributors are designed to be compact in order to minimise the floor area required, but still provide adequate space for access and maintenance

• The underflow launder is designed for floor level installation to allow visual inspection of the spigot discharge and easy spigot maintenance



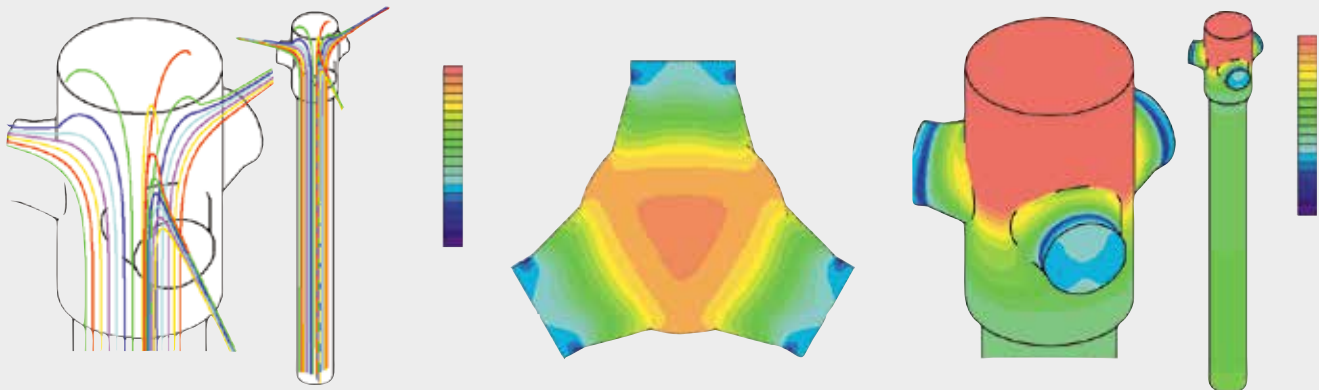
The Pulp Distributor

• Within a Multotec cyclone distributor, careful consideration is given to the design of the pulp distributor. This design has to ensure an even distribution of flow and an equal split of solids, whilst minimising wear through the outlet pipes. Multotec pulp distributors feature a replaceable solid polyurethane wear pad to protect the internal lining of the pulp distributor and increase operating life.

• Cyclone distributors can be provided with pulp distributors that are either top fed or bottom fed.

• The pulp distributor is supplied with a pressure gauge port and pressure gauge in order to monitor cyclone performance.

Computational Fluid Dynamic analysis studies



1mm Particle Tracking

Relative Pressure Distributions

Overflow Launder

- Individual cyclone overflows discharge into a common launder
- Launder outlet pipe is sized to allow the maximum flow rate to discharge under gravity
- Outlet can be orientated to suit client requirements
- Overflow launder can be fitted with either fixed splash covers, which double as foot plates, or removable splash covers, which allow sampling
- Launder is lined with rubber or ceramic tiles



Underflow Launder

- Individual cyclone spigots discharge into a common underflow launder
- Large diameter outlet pipe and correct angle of tank base ensure that the dense spigot product can discharge under gravity
- Launder is rubber lined or ceramic tiled
- Removable splash covers minimise splashing/spray whilst allowing quick access to spigots



General features

- Galvanised mounting brackets provide ease of alignment
- Galvanised splash covers
- Light weight overflow pipes for ease of maintenance
- Diaphragm or knife gate valves (pneumatic or manual)
- Distributors are trial assembled during manufacturing to ensure correct alignment

A multiple arrangement of cyclone distributors undergoing trial assembly, prior to delivery to a diamond operation

Cyclone Distributors

Maximum separation efficiency, low running costs, innovative designs and technology

Alternative Distributor Designs

Duplex

- Compact design
- Low cost
- Ease of operation



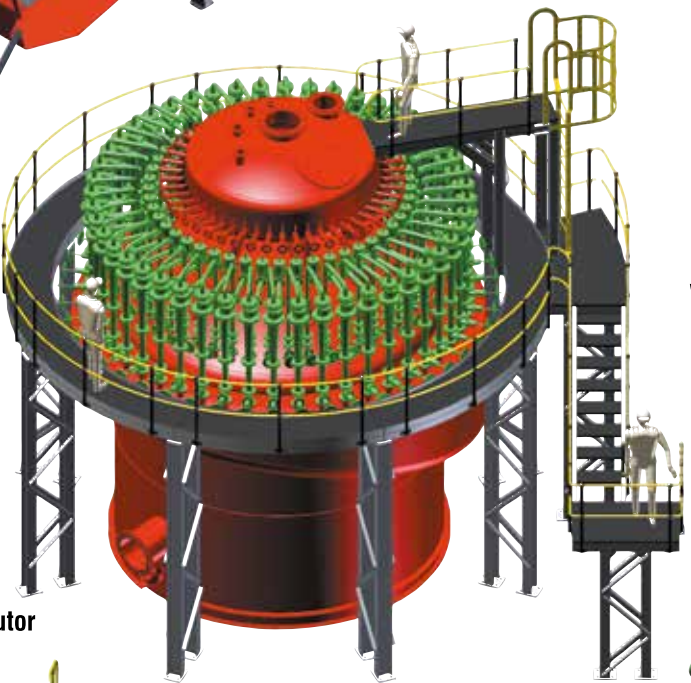
Inline

- Small footprint
- Low capital cost



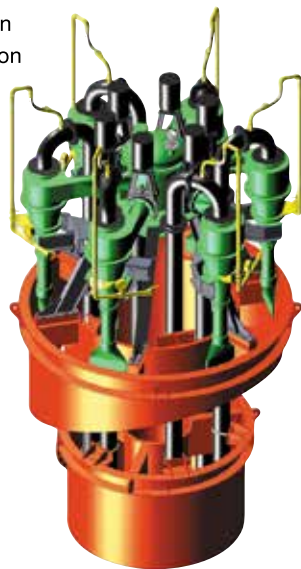
Walkway and Access Platforms

- Engineered to highest standards
- Customised to suit client requirements



Radial Stacker Cyclone Distributor

- Compact design
- Ease of operation



Skid Mounted

- Specialised applications
- Moveable

