Periclone™ A125 Hydrocycloning Systems

**Applications**
Periclone A125 pressurised hydrocycloning bank systems operate in a wide consistency range and are used for different cleaning purposes, such as paper machine approach flow systems, and chemical pulp systems. Optimised design combined with operational reliability result in lower operating costs and minimized energy consumption.

**Features**
- Innovative design with limited parts
- Wide consistency range
- Low power consumption
- Variety of specially designed hydrocyclones available
- Practically plug-free operation

**Benefits**
- High separation efficiency
- Convenient handling and maintenance
- Easy inspection during operation
- Low operating costs
- Reliable operation

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**High separation efficiency**
Periclone A125 hydrocycloning bank systems feature reliable state-of-the-art technology to achieve excellent cleaning performance and high removal efficiency for heavyweight contaminants. Even at high consistencies, good separation efficiency is maintained.

**Wide consistency range**
The Periclone system operates in a wide consistency range and at an inlet flow of 450 l/min per unit.

**Low power consumption**
Due to its optimized design and reliable operation, the Periclone system keeps power consumption and operating costs down.

The innovative design of the hydrocyclone head minimizes the pressure drop over the hydrocyclone and assures energy will be utilized most efficiently.

**Periclone A125 in Approach Flow Systems**
Periclone A125 bank systems are particularly suitable to meet the high demands of today’s approach flow systems featuring paper machines with wide operating windows and wide consistency ranges.
**PERICLONE A125**

**Dimensions**

- $L_1 = 38''$ (965 mm); $N = 1, 2$  $N =$ number of hydrocyclones
- $L_2 = 5.31''$ (135 mm) x $N + 35.44''$ (824 mm); $N = 4, 6, 8, \ldots 26$  $N =$ number of hydrocyclones

The exact design and dimensions of the bank depends on its size, position in the system, and choice of hydrocyclones.

**Easy operation, handling and maintenance**

The Periclone A125 hydrocyclone bank system concept features a high degree of functionality and reliability.

The Periclone system is designed for easy handling, inspection, and maintenance. The hydrocyclones feature few parts and no threaded connections. A V-band clamp between the head and the conical part simplifies mounting and dismounting. The handles on the conical part of the hydrocyclones make it convenient to work with the units during shut-downs.

Periclone A125 hydrocyclones are built with a twin-wall construction equipped with an inner cone where the separation process takes place. The reject discharge is led through a vertical reject sight glass into the reject pipe.

The transparent reject sight glass allows for easy inspection of the reject flow from each individual hydrocyclone. The Periclone system also features a transparent leakage indication plug, which may be mounted during operation to identify potential leakage in the premises.

**Periclone A125 hydrocycloning bank**

Specifications and information subject to change without notice.