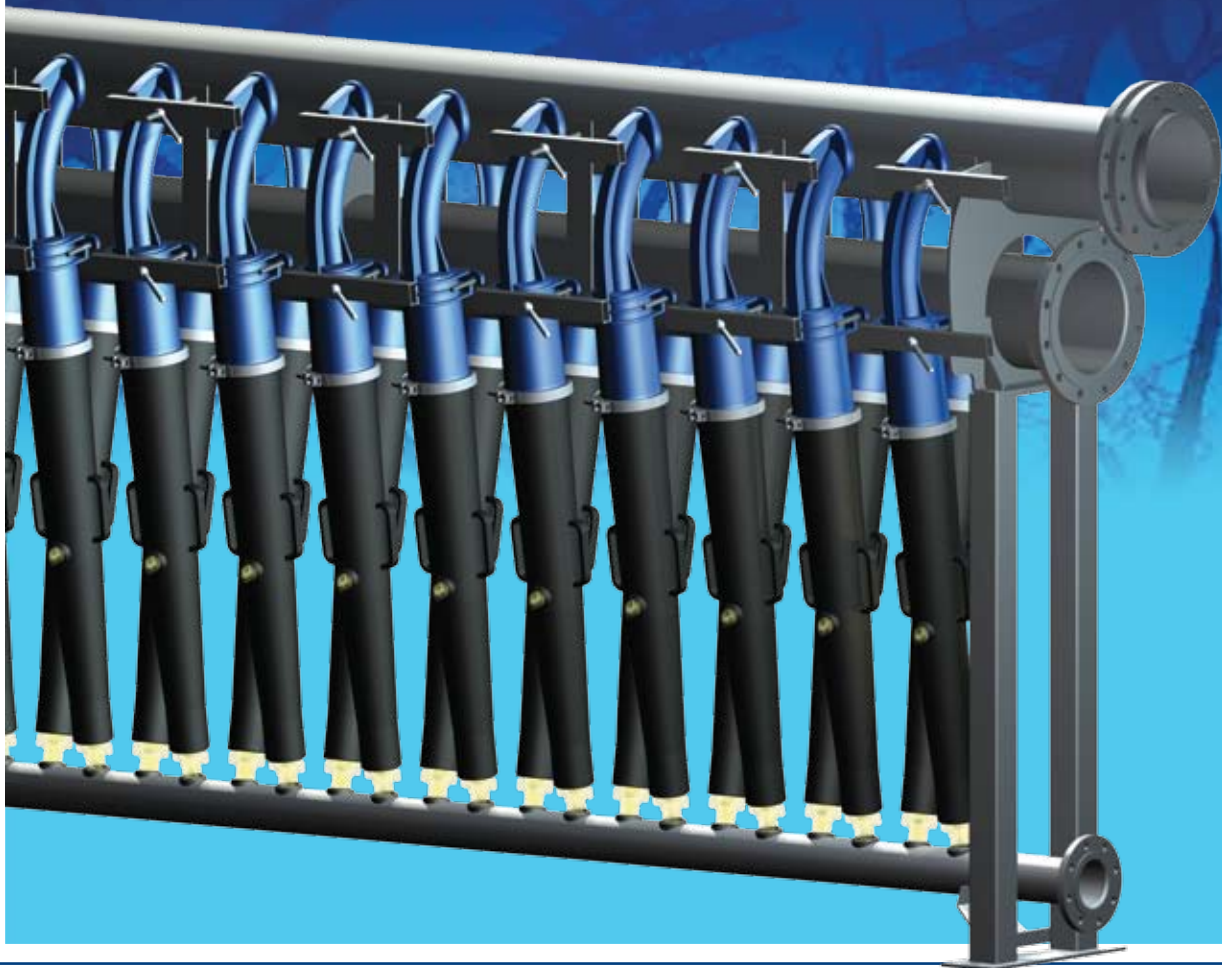


PERICLONE A125

Hydrocycloning system
for all stock types



 ROSS

Reliable operation
Innovative design
Easy maintenance

PERICLONE A125

ADVANCED HYDROCYCLONE BANK SYSTEM

PERICLONE A125 is a pressurized hydrocyclone bank system used for different cleaning purposes in the pulp and paper industry, such as paper machine approach flow systems, recycled fiber systems etc.

The PERICLONE hydrocycloning concept has been developed by Noss AB as a complement to the well-established RADICLONE hydrocycloning systems.

PERICLONE features the following advantages:

- Innovative design – few parts
- Easy maintenance
- Easy inspection during operation
- High separation efficiency
- Low operating costs
- Optimized process parameters

PERICLONE operates in a wide consistency range and at an inlet flow of 450 l/min per unit. The pressure drop depends on the application and position in the system.

FOCUS ON THREE KEY ISSUES: SEPARATION EFFICIENCY – FIBER LOSSES ENERGY CONSUMPTION

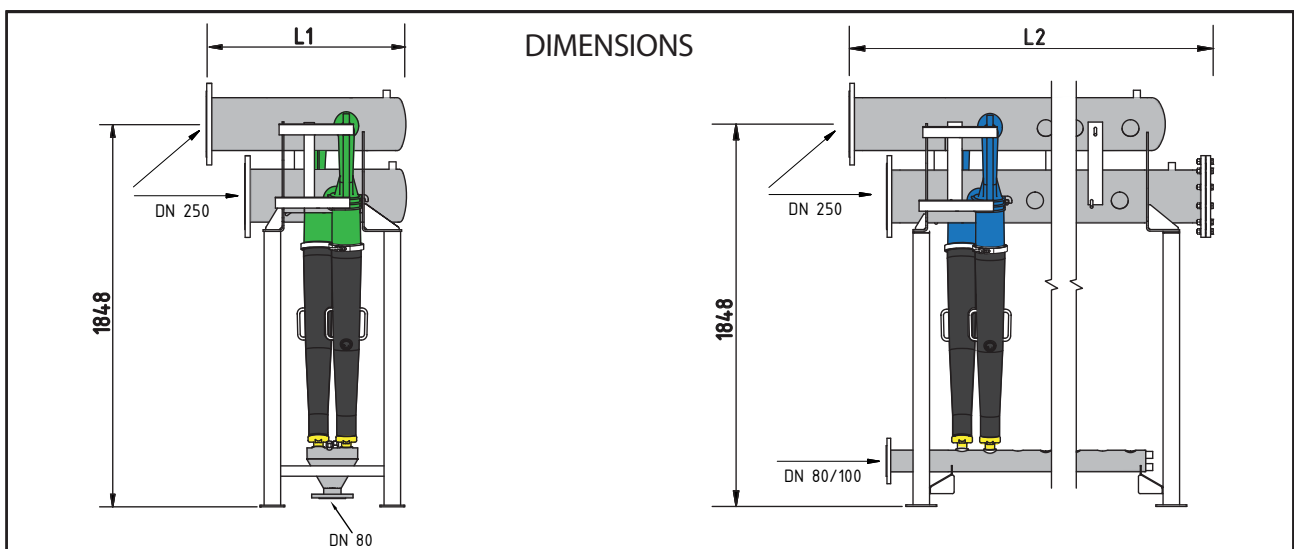
PERICLONE is manufactured in different versions. When used in the first stages in a system highest separation efficiency is prioritized.

In the latter stages in a cascade-coupled system, the special design provides a low thickening rate ensuring low fiber losses and eliminating all possible plugging tendencies that might occur.

The innovative design of the hydrocyclone head minimizes the pressure drop over the hydrocyclone and assures that the energy will be used most effectively as centrifugal energy for cleaning purposes.

HIGH OPERATIONAL RELIABILITY

With its advanced design and operational reliability, the PERICLONE can operate at high consistencies and maintain good separation efficiency.



$$L1 = 780; N = 1, 2$$

N = number of hydrocyclones

$$L2 = 135 \times N + 815; N = 4, 6, 8, \dots, 26$$

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

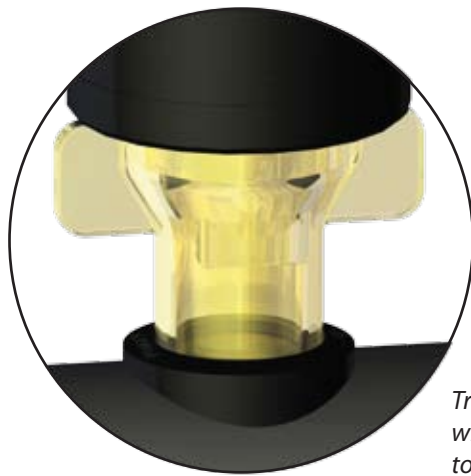


EASY OPERATION, HANDLING AND MAINTENANCE

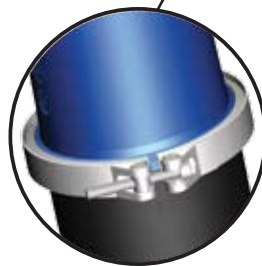
The PERICLONE concept features a high degree of functionality and reliability.

PERICLONE is designed for easy handling, inspection and maintenance. Few parts, no threaded connections and a V-band clamp between the head and the conical part simplify mounting and dismounting. The handles located on the conical part make it convenient to work with the units during shut-downs.

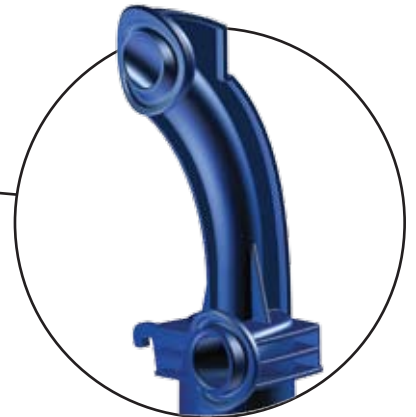
PERICLONE is built as a twin-wall construction equipped with an inner cone where the separation process takes place. The reject discharge is lead through a vertical reject tip into the reject pipe. There are no bends, no horizontal parts and no hoses.



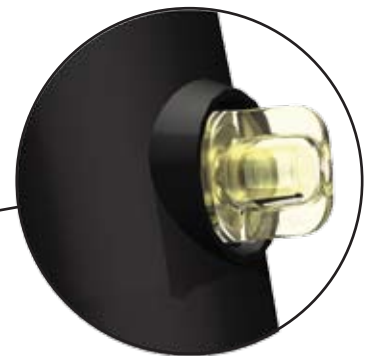
Transparent reject tip with vertical connection to reject pipe



V-band clamp



Hydrocyclone head designed for minimized pressure drop



Transparent leakage indicator

The reject tip, which is manufactured of a transparent material, allows easy inspection of the reject flow from each individual hydrocyclone. PERICLONE also features a transparent leakage indication plug, which may be mounted during operation and thus eliminates all possible leakage in the premises.

OPTIMIZED PROCESS SOLUTIONS

Noss has through many years of experience gained valuable know-how in the field of process optimization. That's our customers' advantage.



LOCAL SUPPORT – WORLDWIDE

The global Noss organization is adapted to the pulp and paper industry's regional requirements. Through our own offices around the world we provide our customers with service and support close to their operations. Our service engineers regularly service all Noss installations in order to secure optimal operating conditions.

Warehouses in Europe, Asia and North America ensure fast availability of spare parts.



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