

Metso

Polishing filtration

DM1000 filter



Application

A new modular DM1000 dual media filter designed to complement the existing Metso DM filter series for increasing need of battery metal processes' filtration.

The latest addition to Metso's DM (Dual Media) filter family is a modular DM1000 filter designed to complement the existing Metso DM filter series for increasing need of battery metal processes' filtration.

Utilize for smaller process streams

Thanks to its small size, the Metso DM1000 filter is particularly suitable for organic removal in small stream feeds. However, due to the fully modular design, the Metso DM is easy to expand for use with larger process flows as well.

The Metso DM filter is suitable for numerous processes where organic and solids must be removed from the solution. It is suitable both as a traditional electrolyte filter in extraction processes as well as in metal crystallization processes for feed flow purification before crystallization.

The fully modular and compact design allows the filter to be packed and transported in standard sea containers. This makes transportation quick, easy and economically beneficial. Also, expanding the filter to the needs of a later growing process is fast and easy by adding new modules to

extend the old ones or adding a completely new filter unit to the new process stream.

The Metso DM1000 filter has all the same benefits and features as the larger Metso DM filters. It is delivered in compliance with the relevant design codes as an automated operational filtration package containing:

- Filter vessels
- Air and liquid internal distributors
- Filter media
- Process piping and valves
- Blower skid
- Automation & instrumentation
- Maintenance platform

Pressure vessel design basis:
PED 2014/68/EU or ASME VIII Div 1

Ex-proof classification:
ATEX 94/9/EC or NEC500

Benefits

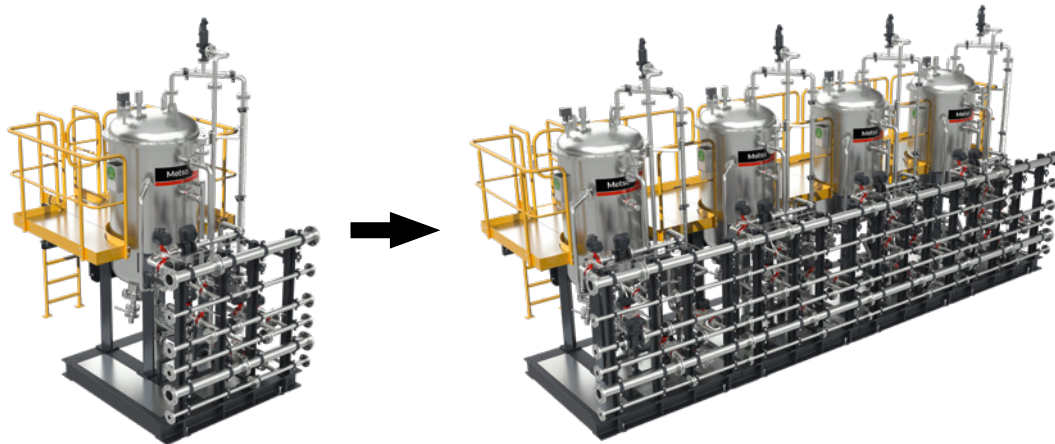
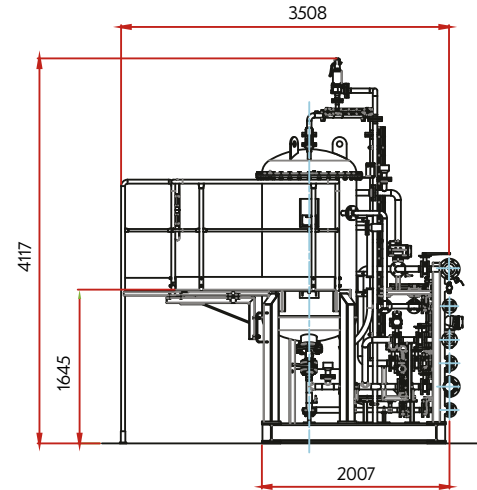
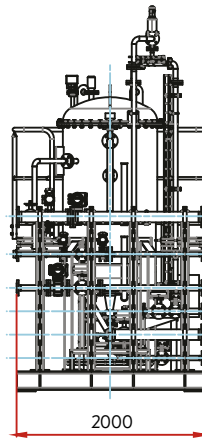
- Fully modular design
- 1-4 filters in a row
- Easy expandability
- Ready assembled on a mounting skid
- Fully containerized transportation
- Quick and safe site assembly
- Fully automatic operation

DM1000 filter

Technical data

Technical data for one (1) module	
Max. filtration flow	9,4 m ³ /h
Vessel diameter	1000 mm
Width	2000 mm
Length	3508 mm
Height	4117 mm
Weight, dry	3660 kg
Weight, full*	6000 kg

*with media and liquid SG 1.25



Filtration capacity is easy to increase by connecting new modules to the filter unit.



Quick and easy transport: filters can be packed and transported in standard sea containers.

Metso

Metso Corporation, Töölönlahdenkatu 2, FI-00100, Helsinki, Finland
 tel. +358 20 484 100
 metso.com

Partner for positive change