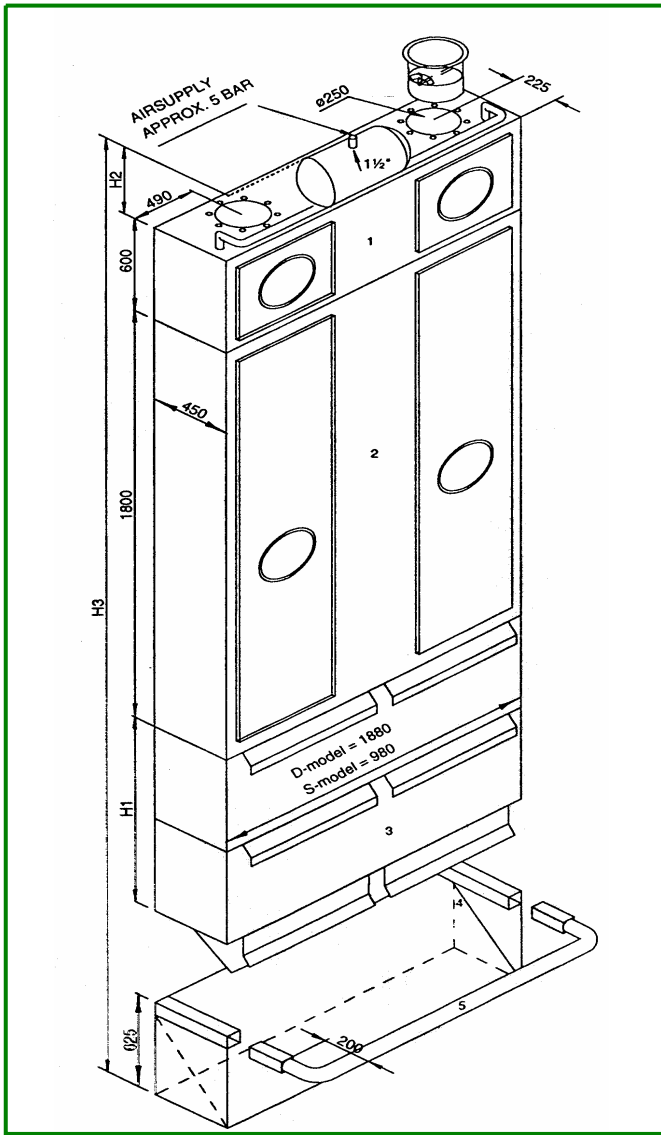


Data Sheet 558.2

Filter for Intake Pit



1. Cleaning section

The top part of the unit is the filtrated air chamber, where pipes (fan) for exhaust air are connected to each section. A cleaning arrangement over the filter bags is mounted here.

2. Filter section

The middle part of the unit is the filter section, where the uncleaned air is filtrated before discharge or recirculation. The filter bags ensure an efficient filtration where less than 1mg solids per m³ air passes through the filters.

Control unit

The PLC control unit consists of a panel, which contains all functions for control of 6 to 12 D modules. A signal from "start fan" starts the operation sequence eventually integrated with a differential pressure control. In a fixed cycle, the filter bags are cleaned with compressed air step by step.

This cycle is running while the fan is in operation and can continue with up to 4 cycles after the fan has stopped. Cleaning periods, intervals and after-cleaning are adjusted according to requirement.

3. Exhaust section

The exhaust hopper is placed under the filter section where the uncleaned air is sucked from the floor above the intake pit. The exhaust hopper is placed app. 625 mm over the intake pit grate.

A guide flap can be regulated up and down in order to adjust the distance to the grate from 625 to 475 mm.

An exhaust opening is placed in the bottom module. It intercepts the dust that is forced upwards by unloading. Another flap is mounted at the back wall upon which the dust (by cleaning) falls down.

4. Floor console

When the filter is mounted without support, a heavy floor console with a guide flap for the cleaned-off dust is used. On a wall-mounted filter a concrete sloping wall will be able to lead the dust back into the intake pit.

5. Distance clamp

A heavy-distance clamp can be mounted on the floor console or on the exhaust section.

Collection auger

Correctly installed, a part of the filter cannot fall directly back in the pit.

The part of a wall-mounted filter, which reaches out from the intake pit lengthwise, can be mounted with a collection auger.

Type S	Filter bag length in m					
With 7 bags	1.0	1.50	2.0	2.5	3.0	3.5
m ² filter	3.30	4.95	6.60	8.25	9.90	11.55
H1	600	600	600	1200	1200	1800
H2	545	545	545	640	640	640
H3	4170	4170	4170	4820	4820	5420
Weight/kg	190	190	190	205	205	235
Air/min flour	35	50	70	85	100	120
4-5bar grain	30	40	55	65	80	95
Air receiver L	12	12	12	25	25	25

Type D	Filter bag length in m					
With 14 bags	1.0	1.50	2.0	2.5	3.0	3.5
m ² filter	6.60	9.90	13.20	16.50	19.80	23.20
H1	600	600	600	1200	1200	1800
H2	545	640	640	640	640	640
H3	4220	4220	4220	4865	4865	5465

Copyright © - The right to alterations is reserved