

Exchange DC inrush filter

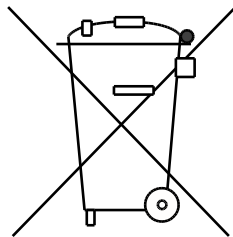
RBS5000

Part instruction

Rev. 1.2

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How to replace the inrush DC filter in RBS5000

When to replace Dantherm Air Handling recommend replacing the inrush DC filter only when broken.

Part number A new inrush DC filter can be ordered under part number:
028084 Ericsson no. NTM 201 3383. (upgrade kit), or
028079 Ericsson no. 5/BPD 104 36/2 (spare part)

Tools Make sure you have the following tools available before your start the replacement:

- Torx 10/20/25 screwdriver

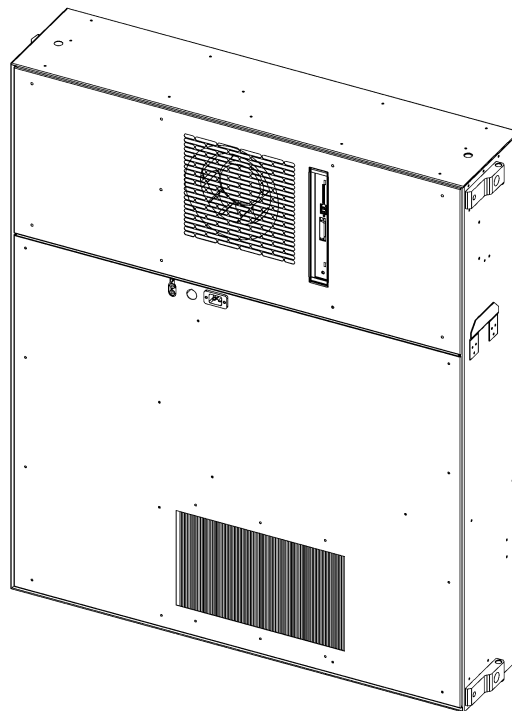
Caution!

- Only trained and certified technicians are allowed to replace parts
- Switch off all the power to the unit before working on it
- -Make sure all work has been performed before switching on the power again

Contents of the box Please check the contents of the box before you start the replacement:

- 1 inrush DC filter
- 1 insulation plate
- Insulation for inrush filter
- Instruction

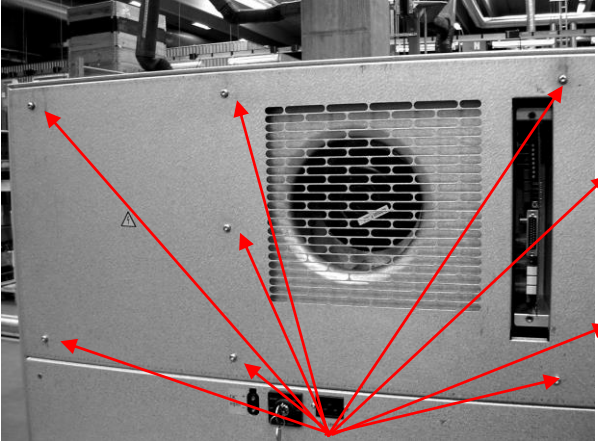

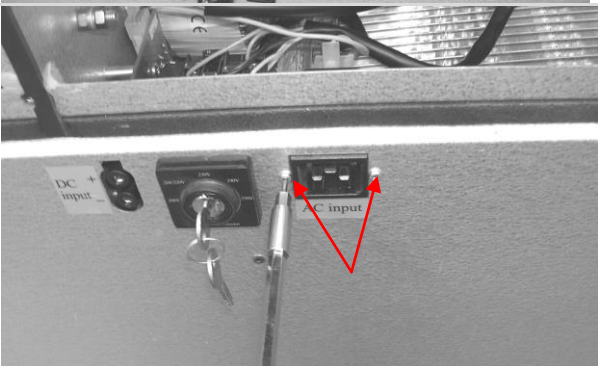
Illustration This drawing illustrates the RBS 5000 unit:



Continued overleaf

How to replace the inrush DC filter in RBS5000, *continued*

Procedure, remove the filter Follow this procedure to remove the old inrush DC filter:

Step	Action
1	Disconnect the AC/DC plugs and the communication plug on front of the unit
2	Dismount the front panel by unscrewing the 9 torx 25 screws 
3	Remove the internal fan carefully by unscrewing the 1 torx 25 screw 
4	Remove the AC appliance inlet from the mounting hole by unscrewing the two screws in front. (torx 10) Note the two nuts on the back side. Leave the mounting hole in the unit 

Continued overleaf

How to replace the inrush DC filter in RBS5000, *continued*

Procedure, remove the filter, *continued*

Step	Action	
5	<p>Remove the voltage selector by following these steps:</p> <ul style="list-style-type: none"> • Pull up the mounting guard • Pull back the voltage selector and leave it in the unit • Unscrew the nut on the backside of the voltage selector front panel and remove it. 	
6	<p>Remove the wires to the inrush DC filter</p> <p>2 red/2 blue wires in 2 plugs</p>	
7	Dismount the inrush DC filter by unscrewing the 4 torx 20 screws	
8	Replace the old inrush DC filter by following the procedure in the following block	

Procedure, replace the filter

Follow this procedure to put in a new DC filter:

Step	Action
1	Remove the old (if any) insulation plate
2	Mount the insulation plate behind the inrush DC filter
3	Mount the filter with the 4 Torx 20 screws
4	Mount the cables to the filter + to red and - to blue
5	Mount the voltage selector front cover with the mounting nut
6	Press the voltage selector body back on voltage selector
7	Mount the appliance inlet with the 2 torx 10 screws and nuts
8	Mount the internal fan with 1 torx 25 screw
9	Mount the unit front cover 9 torx 25 screws
10	Power up the unit and test it with the test button on the control board

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