Assembly manual

Spare part list + Assembling guideline

**New LFd**
Light filter
New LFd
Assembly manual

Original instructions

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**WARNING**

All the components and spare parts MUST be stored in dry and clean environment.

Please note that when the Light Filter is mounted in his working position the waves have to be positioned vertically.

- Max environment temperature during assembling and/or storage shall not exceed 50°C.
- Protect filter from direct sunrays when not in operation.
- Do not stock in sealed packages under direct sunrays.
- Verify that adequate ventilation is provided.

**NOTE**

The assembly steps are referred to LFd50, however the sequence of the operations is the same for smaller and bigger models. Only variation is the number of plastic waves to be used in the different models.
<table>
<thead>
<tr>
<th>Ref.</th>
<th>Picture</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="85x648.png" alt="Image" /></td>
<td>Ø6.3x16 SELF-TAPPING SCREW (FLAT HEAD)</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td><img src="85x546.png" alt="Image" /></td>
<td>EMBOSSED ANGLE BRACKET</td>
<td>12</td>
</tr>
<tr>
<td>3</td>
<td><img src="85x467.png" alt="Image" /></td>
<td>TOP PANEL</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td><img src="85x375.png" alt="Image" /></td>
<td>Ø6.3X19 SELF-TAPPING SCREW (ROUND HEAD)</td>
<td>14</td>
</tr>
<tr>
<td>5</td>
<td><img src="85x297.png" alt="Image" /></td>
<td>HOOK</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td><img src="85x232.png" alt="Image" /></td>
<td>WAVES LOCKING</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td><img src="85x126.png" alt="Image" /></td>
<td>SIDE PANEL</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>PLASTIC WAVE</td>
<td>TAB.1</td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>--------------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>BOTTOM PANEL</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>EPDM STRIP</td>
<td>4,1m</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Ø4.2X19 SELF-TAPPING SCREW (OPTIONAL*)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>ADDITIONAL FRAME (OPTIONAL)*</td>
<td>3</td>
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</tr>
</tbody>
</table>

*Only for New LFd 50

### TAB.1 – REF.8

<table>
<thead>
<tr>
<th>Model</th>
<th>LFd52</th>
<th>LFd50</th>
<th>LFd36</th>
<th>LFd30</th>
<th>LFd24</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLASTIC WAVE</td>
<td>47</td>
<td>45</td>
<td>35</td>
<td>31</td>
<td>24</td>
</tr>
</tbody>
</table>
# 2. ASSEMBLING TOOLS

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Picture</th>
<th>Description</th>
<th>Qty.</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1.png" alt="CORDLESS DRILL" /></td>
<td>CORDLESS DRILL</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2.png" alt="DIAGONAL PLIERS" /></td>
<td>DIAGONAL PLIERS</td>
<td>1</td>
</tr>
</tbody>
</table>
3. ASSEMBLY GUIDELINE

Assembly of frame

To assemble the New LFd verify to have:

- 12 angle brackets
- 20 self-tapping screws (flat head - 6.3x16)
- 12 self-tapping screws (round head - 6.3x19)
- 1 cordless drill

Assemble the bottom panel (the one with holes) together with the side panel by means of qty. 2 self-tapping screw (round head - 6.3x19), qty. 2 angle brackets and qty. 4 self-tapping screws (flat head - 6.3x16).

Assemble the top panel - same shape as bottom panel but without holes - together with the free side of the side panel by means of qty. 2 self-tapping screw (round head - 6.3x19), qty. 2 angle brackets and qty. 4 self-tapping screws (flat head - 6.3x16).

It is recommended using a cordless drill applying a torque of 16 Nm.
Place the 3 panels set on the floor. The side panel should adhere to the floor.

**Assembly of waves**

Start to mount the plastic waves: insert the first wave under the first tooth.

Then proceed inserting all the other waves into the small teeth of the top and bottom panel in order to complete the filter.

Continue to assemble the Light Filter inserting all the waves until the last one.
Completion of frame

Assemble the angle brackets on the 2 panels (top and bottom) and insert the side panel. Fix them by means of qty. 8 self-tapping screws (flat head - 6.3x16) to the angle brackets plus 2 screws (round head - 6.3x19), one for each panel.

It is recommended using a cordless drill applying a torque of 16 Nm.
Locking the waves

Turn the filter 90° to gain the operating position. The bottom panel should adhere to the floor.

Insert qty. 4 angle brackets and fix them by means of qty. 4 self-tapping screws (flat head - 6.3x16).

It is recommended using a cordless drill applying a torque of 16 Nm.

Insert the waves locking into the buttonholes and fix it by means of qty. 4 self-tapping screws (round head - 6.3x19).

It is recommended using a cordless drill applying a torque of 16 Nm.
To assemble the hook verify to have:
- 1 hook
- 2 self-tapping screws (round head - 6.3x19)
- 1 diagonal pliers

To install the hook, cut from the fan the safety mesh with a diagonal pliers but do not remove the safety protection for motor in order to comply with safety requirement.

Place the hook in the gap between the top panel and the central support and fix it by means of 2 self-tapping screws (round head - 6.3x19).

It is recommended using a cordless drill applying a torque of 16 Nm.
The fan is ready; now hook the Light Filter to the fan.

The Light Filter is complete and hooked to the fan.

NOTE
Please note that on some specific fans it may be requested an additional Spacer Kit. For further information, please contact the Customer Service.
<table>
<thead>
<tr>
<th>Application of EDPM strips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open one EPDM strip.</td>
</tr>
<tr>
<td>Apply the EPDM strip on the 2 lateral panels and on the bottom panel of the Light Filter.</td>
</tr>
</tbody>
</table>
To assemble the optional kit verify to have:
- 3 additional frames
- 12 self-tapping screws (4.2x19)

Place the additional frame on the side panel and fix it by means of 4 self-tapping screws (4.2x19).

Perform the same operation also for the other side panel and the bottom panel.
Requests for technical assistance and spare parts must be made directly to the manufacturer, at the following address:

**Munters Italy S.p.A**
Strada Piani, 2
18027 Chiusavecchia (IM), Italy
Tel: +39 0183 52 11
Fax: +39 0183 521 33
info@munters.it

LFd light filters are developed and produced by Munters Italy S.p.A., Italy

www.munters.com