Installation and Service Manual

Read ALL INSTRUCTIONS carefully.

Series 15

DUST FREE®
Air Cleaners
The Dust Free® Series 15 “Big Sucker” is designed to collect air pollutants at the point of generation (source capture). The narrow design and large wheels make the unit maneuverable in narrow spaces. The compact footprint and height permits use in most applications without interference with adjoining activities.

The Stay Put adjustable arm is configured for easy positioning without creeping or sagging. The internal frame of the arm is stainless steel and resists corrosion.

For best collection performance, position the hood at the end of the suction hose within 12 inches of the pollutant source. If the device is used to collect debris from a grinding, polishing or cutting wheel, position the hood so that it is in the path of the debris projection.

Welding slag and other large pieces of collected debris will deposit in the inlet plenum directly beneath the suction hose. Lighter airborne particles will be trapped in the filter.
Dust Free® Series 15 Specifications

- **Floor Weight:** 260 lbs (118 kg)
- **Overall Dimensions:** see diagram
- **Voltage:** 115 V, 13.6 A, 50/60 Hz, 1 PH, 1 HP (optional) 208/230 V, 6.9 A, 50/60 Hz, 1 PH, 1 HP
- **Nominal Air Volume:** 800 CFM (22.65 CMM) net, clean filters
- **Nominal Air Velocity:** 4000 FPM (1220 MPM) through hose, clean filters
- **Filtration Efficiency:** From 35% to 95% ASHRAE Dustspot, depending on configuration.

Although the Series 15 has a low center of gravity counter weight installed, its narrow width in relation to its height makes it prone to tipping sideways. Avoid rolling the unit over hoses, curbs, large cracks and other similar floor obstacles, when rolling it in the direction of its narrow width. Avoid extending the suction hose to full length in the direction of the narrow width of the cabinet.
FILTER SERVICING
When the suction of the unit has noticeably declined, or the optional change filter light is illuminated, filter servicing is required.

TO SERVICE THE FILTERS:

1. Turn off the power and unplug the unit from its power source.
2. Unlatch and open the large filter service door on the side of the vertical cabinet.
3. Remove the pre-filter
   A. Replace the disposable filter insert.
   B. With a strong stream of water, (not high pressure) wash the spark arresting filter.
4. Replace the pre-filter, close the door and test for improved air volume or extinguishing of the optional change filter indicator.
5. If the air volume does not improve or the optional change filter indicator light does not extinguish, replace the primary poly cube or V-bag filter.
6. Each time the poly cube or V-bag filter is replaced, the debris door at the base of the suction hose should be opened and the collected debris should be vacuumed or swept from the inlet plenum.

BLOWER/MOTOR MAINTENANCE:
These components are permanently lubricated and require no servicing. Check the fastener bolts and hardware periodically for tightness. Tighten all loose fasteners.

ADJUSTABLE ARM:
The adjustable arm does not require service.

CASTERS AND DOOR HINGES:
Oil the casters and door hinges annually.

ADJUSTABLE ARM REPLACEMENT
1. Remove the bolts holding the front half of the arm hold down collar.
2. Remove the hold down collar.
3. Slide the arm assembly base mount from under the hold down collar.
4. If you are replacing only the flexible hose, remove the hose clamps and pull the hose off of the arm assembly.
5. Slide the new hose over the arm assembly and replace the hose clamps.
6. Reinstall the arm assembly by reversing the removal procedure.
## REPLACEMENT PARTS LIST

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>04054</td>
<td>Washable Spark-Arresting Pre-filter</td>
</tr>
<tr>
<td>04009</td>
<td>Disposable Synthetic Fiber Pre-filter Inserts, 12 Filters Per Box</td>
</tr>
<tr>
<td>04010</td>
<td>30% ASHRAE Poly Cube Primary Filter, 3 Filters Per Box</td>
</tr>
<tr>
<td>04011</td>
<td>65% ASHRAE 8-Rocket Primary Filter, 3 Filters Per Box</td>
</tr>
<tr>
<td>04012</td>
<td>95% ASHRAE 8-Rocket Primary Filter, 3 Filters Per Box</td>
</tr>
<tr>
<td>04053</td>
<td>Arm Assembly, Complete</td>
</tr>
<tr>
<td>04079</td>
<td>Arm Assembly, Hose Only</td>
</tr>
<tr>
<td>210056-00</td>
<td>115V/208 -230V, 50/60Hz, 1PH Motor</td>
</tr>
<tr>
<td>04055</td>
<td>Change Filter Indicator Assembly</td>
</tr>
</tbody>
</table>

### Diagram:
- **Adjustable Arm Assembly**
- **V-Bag Main Filter**
- **Disposable or Spark-Arresting Pre-Filter**
- **Disposable Pre-Filter**
- **Poly Cube Main Filter**