

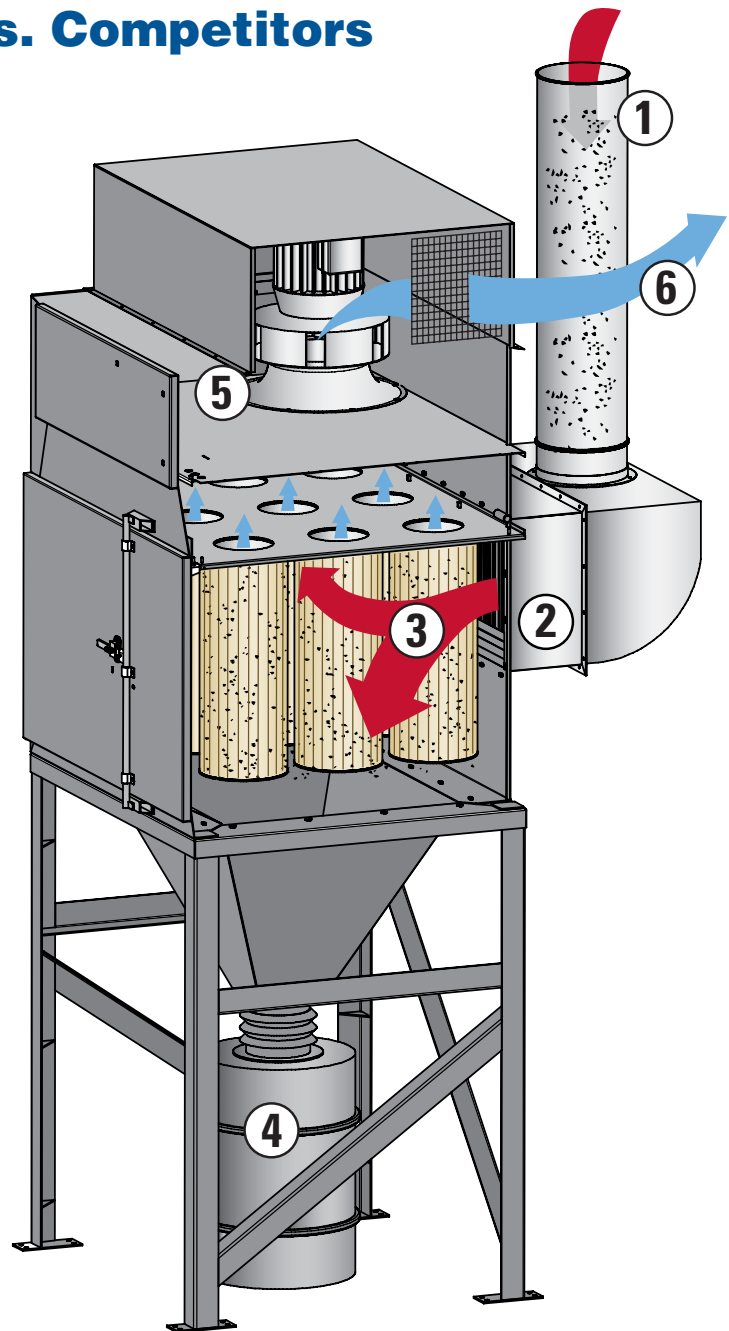
RoboVent DownFlow vs. Competitors

The biggest loss of filter life in any dust collector is due to “re-entrainment.” Re-entrainment is the term used for picking up dust that has already been removed from the filter and redepositing it on the filter. In fact, experts believe that filter life could often be extended almost indefinitely if re-entrainment could be totally eliminated. With downflow, the air is brought in evenly and without turbulence from the top.

The general movement of air within the cabinet is downward, the same direction as the falling dust that has been removed by the pulsing system. This makes the equipment especially difficult to build, but the increased filter life makes it well worth it.

Note: The current design of the RoboVent System including the downflow and vertical cartridge filter concept is patented.

1. Airflow from cutting process.
2. Proprietary SparkOut System.
3. Air forced downward through filters which collect debris. Vertical filters will increase filter life 20%-40%.
4. Contaminants fall with the airflow into a collection drum with every self-cleaning cycle.
5. Integral blower and electrical controls.
6. Clean air returned to your plant via built-in silencer



This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2010 RoboVent Product Group, Inc.