

# Model RP6

## Specifications and Technical Data

### TYPICAL APPLICATIONS

#### Source Capture of:

- Welding Smoke and Fumes
- Grinding Dust
- Powders
- Other Dry Dusts

### Features:

- Revolutionary Roto-Pulse Filter Cleaning Systems
- Large Capacity Dust Drawer or Hopper
- Built-In Plug Fans, 1000-5000 CFM
- Motor Starter/Overload Protection Standard
- After Pulse Cleaning Cycle Standard
- Heavy Duty Construction
- Full Range of Options

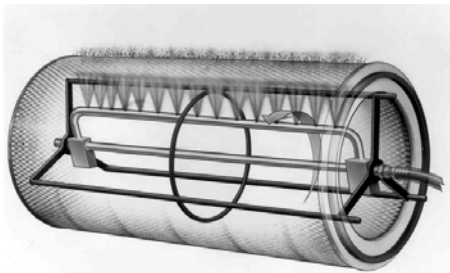
### Options:

- Hopper Setup With Long Legs and Barrel Lid Kit.
- Low Profile Unit With Dust Drawers.
- Silencer.
- HEPA Afterfilter.
- Variety of Cartridge Filters.
- 5HP, 7 1/2HP or 10HP Motors.
- Magnahelic or Photohelic Gauges.
- Explosion Vents.
- Outdoor Package.



### How It Works

Roto-Pulse provides for a much better cleaning of the cartridges. The air is pulsed into a specially designed aluminum rotating tube with pre-drilled holes. As the air enters this tube, the force of the pulse causes the tube to rotate. While spinning, air exits the pre-drilled holes. The result is that air hits all of the inside of the cartridge, pulsing dirt particles away from the filter for a much more efficient cleaning cycle.



Specifications subject to change without notice.

**Sold and Serviced by:**

### Specifications

**OVERALL DIMENSIONS:** 123" H X 42" W X 63" D-WITH LONG LEGS  
63" H X 42" W X 63" D-WITHOUT LEGS

**WEIGHT:** 1460 LBS

**CABINET:** 12 GAUGE WELDED GALVANEAELED STEEL WITH EXTERIOR SURFACES GROUND SMOOTH.

**FINISH:** INDUSTRIAL GRADE TEXTURED BAKED CRIMSON RED ENAMEL PAINT INSIDE AND OUT.

**FILTRATION:** SIX EACH, HIGH EFFICIENCY FIRE RETARDANT CARTRIDGES. EACH FILTER HAS 291 SQ. FT. OF MEDIA, 1746 SQ. FT. TOTAL. OTHER FILTERS AVAILABLE.

**ROTO-PULSE CLEANING SYSTEM:** UNIQUE ROTATING TUBE WITH PRE-DRILLED HOLES. AS AIR IS PULSED INTO THE TUBE, IT ROTATES AND AIR EXITES THE PRE-DRILLED HOLES. THIS COMBINATION PROVIDES A HIGHLY EFFICIENT AND TOTAL CLEANING OF THE CARTRIDGE.

**FILTER ACCESS:** EASY ACCESS THROUGH FILTER END CAPS.

**MOTOR:** SINGLE SPEED, 5HP, 3-PHASE, 208/230/460V, 60 HZ, TEFC MOTOR. OPTIONAL 7 1/2 AND 10HP AVAILABLE FOR HIGH STATIC APPLICATIONS.

**BLOWER:** DIRECT DRIVE, HIGH STATIC, BACKWARD INCLINED PLUG FAN. AIR VOLUME: 1000-5000 CFM - CONSULT BLOWER CURVES FOR SPECIFIC CONFIGURATIONS

**FILTER CHANGE INDICATOR:** MAGNAHELIC OR PHOTOHELIC GAUGE OPTIONAL.

**WIND LOAD RATING:** 100 MPH.

**CABINET PRESSURE RATING:** +/- 20 INCHES W.C.

**CONTROLS:** SOLID STATE TIMER BOARD, FACTORY WIRED AND INSTALLED.

**INLETS:** OPTIONAL INLET PLENUM WITH THREE EACH 14" X 14" OPENINGS.

**AIR CONSUMPTION:** FACTORY SET AT 2.7 SCFM; 3/4" LINE REQUIRED.

**AFTER PULSE SYSTEM:** STANDARD EQUIPMENT DESIGNED TO CLEAN FILTERS AFTER UNIT IS TURNED OFF. TIMER CAN BE ADJUSTED BETWEEN 0 AND 15 MINUTES.

**HOPPER:** 14 GAUGE WELDED STEEL WITH 10" DIAMETER OUTLET.

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