



PAC HF (left), PAC MAX (center) and PAC LF (right)

INTRODUCTION

The PAC is a portable, self-contained high efficiency particulate air (HEPA) filtration system designed to easily and economically create a negative pressure isolation room/environment that will meet OSHA and CDC TB (Tuberculosis) guidelines. The PAC can be used as a positive pressure clean air recirculating system in clinics, waiting rooms, hospital emergency rooms and other confined areas or as a partial or complete exhausting system to create a negative pressure isolation room for possible use with patients known or suspected of having TB, SARS, COVID-19, or other infectious diseases. The PAC is available in two different sizes: The PAC is available in three different sizes: the PAC LF (Low Flow), PAC HF (High Flow), and PAC MAX (Max Flow). As recirculating units, the PAC model family can deliver from 400 cfm (679 m³/hr) up to 1700 CFM (2888 m³/hr), depending on the model. This CFM range provides a large number of room air changes per hour to minimize the spread of airborne diseases to patients and health care workers.

MODEL

PAC - Portable Air Cleaner

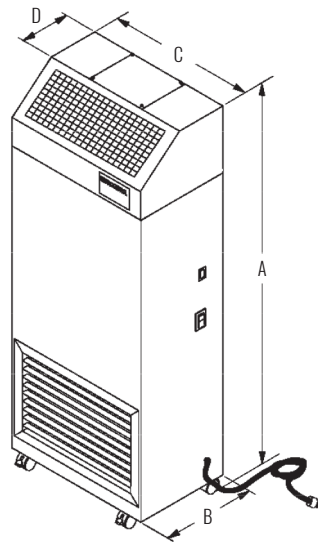
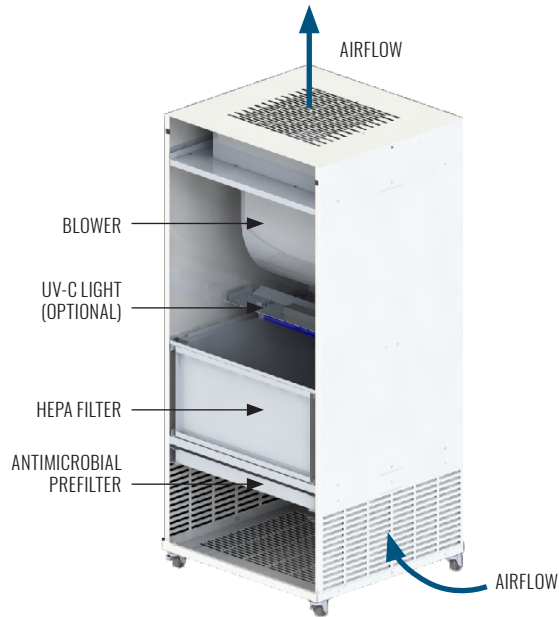
FEATURES

- **Low Cost Isolation Room:** An easy and economical solution for creating a negative pressure, isolation room. Simply roll the PAC into a standard room, connect flexible ducting to the 6 in. (152 mm) collar on the top of the unit for partial exhaust or to the optional 8 in. (204 mm) flanged collar (sold separately) for total exhaust and vent the purified air to the exterior through a window or wall.
- **Flexible Applications:** The versatile PAC can be used as a clean air recirculating unit, a negative pressure unit or as a split system to create both negative pressure and clean air recirculation by simultaneously exhausting some of the air out while recirculating the remainder back into the room.
- **Quiet Operation:** 52 dBA on low, 56 dBA on medium and 60 dBA on high speed measured 30 in. (762 mm) from face of the unit.
- **Simple Maintenance:** Both HEPA filter and prefilter are easily accessible for replacement by authorized personnel.
- **Adjustable Airflow:** The PAC provides effective air filtration for a wide variety of room sizes. The PAC LF utilizes a solid state speed control with speeds ranging from 70 to 400 CFM (119-679 m³/hr). The PAC HF utilizes a three position switch with speeds ranging from 560 to 800 CFM (951-1359 m³/hr).
- **Small and Portable:** The PAC can be rolled from one room to another and easily fits into areas with limited floor space.
- **Low-High Clean Air Circulation Pattern:** Room air, along with airborne contaminants, is drawn into the intake grille at the bottom while the purified air is discharged at a high velocity from the exhaust grille located at the top of the PAC to generate a sweeping, low-to high air circulation pattern with adequate "reach" to optimize the clean breathing zone for patient and staff.

OPTIONS

- ULPA filter upgrade (PAC HF model only)
- Key lock ON/OFF switch
- Carbon prefilter (sold separately)
- 8 in. (203 mm) collar (sold separately)
- 220 V, 50/60 Hz unit available
- UV-C sanitizer available

| MODEL | PAC HF | | | | PAC LF | | | | PAC MAX | | | |
|-----------------|---------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|
| ROOM DIMS | 10'x'8'x8' | 12'x12'x8' | 12'x15'x8' | 15'x15'x8' | 10'x'8'x8' | 12'x12'x8' | 12'x15'x8' | 15'x15'x8' | 12'x12'x8' | 12'x15'x8' | 15'x15'x8' | 20'x15'x8' |
| ROOM VOLUME | 800 ft ³ | 1152 ft ³ | 1440 ft ³ | 1800 ft ³ | 800 ft ³ | 1152 ft ³ | 1440 ft ³ | 1800 ft ³ | 1152 ft ³ | 1440 ft ³ | 1800ft ³ | 2400 ft ³ |
| AIR CHANGE RATE | 42 - 60 | 29 - 41 | 23 - 33 | 18 - 26 | 5 - 30 | 3 - 20 | 2 - 16 | 2 - 13 | 20 - 88 | 17 - 70 | 13 - 56 | 10 - 42 |

DIMENSIONAL & PERFORMANCE DATA

PAC LF / HF

PAC MAX

| MODEL | PAC LF | | | | PAC HF | | | | PAC MAX | PAC MAX UV | |
|--------------------------------------|---|---------------------------------|-----------------------------|---------------------------------|--|---------------------------------|--------------------------------|------------------------------------|--|----------------------|--|
| DESCRIPTION | 120V | 220V | 120V | 220V | 120V | 220V | 120V | 220V | | 120V | |
| UNIT DIMS in. (mm) | A | 38.25 (972) | | | | 62.25 (1581) | | | | HEIGHT: 57.75 (1467) | |
| | B | 19.75 (502) | | 15.75 (400) | | 19.75 (502) | | 15.75 (400) | | WIDTH: 26.18 (665) | |
| | C | 23.66 (601) | | 23.66 (601) | | 23.66 (601) | | 23.66 (601) | | DEPTH: 24.75 (629) | |
| | D | 12.86 (327) | | 8.86 (225) | | 12.86 (327) | | 8.86 (225) | | N/A | |
| UL LISTED (E152685) | No | No | No | No | No | No | Yes | No | Pending | | |
| SPEED CONTROL | Variable Speed Control | | | | Three Speed Switch | | | | Variable Speed Control | | |
| AIRFLOW CFM* (m ³ /hr) | MIN CFM: 70 (119) ± 10% MAX CFM: 400 (679) ± 10% | | | | Low: 560 (951) ± 10% Medium: 690 (1172) ± 10% High: 800 (1359) ± 10% | | | | MIN CFM: 400 (679) ± 10% MAX CFM: 1700 (2888) ± 10% | | |
| POWER REQUIREMENTS | 4.5 Amps @ 115V 60 Hz | 2.1 Amps @ 208-230V 60 Hz | 4.4 Amps @ 115V 60 Hz | 2.0 Amps @ 208-230V 60 Hz | 8 Amps @ 115V 60 Hz | 4.0 Amps @ 208-230V 60 Hz | 6.9 Amps @ 115 VAC 60 Hz | 3.5 Amps @ 208-230 VAC 60 Hz | 10.2 Amps @ 120V/60 Hz | | |
| UNIT WEIGHT lbs. (kg.) | 100 (45) | | 90 (41) | | 200 (91) | | 175 (79) | | 148 (67) | 150 (68) | |
| SHIPPING WEIGHT lbs. (kg.) | 173 (79) | | 153 (70) | | 285 (129) | | 250 (113) | | 173 (79) | 175 (80) | |
| SHIPPING DIMS in. (mm) | A | 47.5 (1206) | | | | 71.5 (1816) | | | | HEIGHT: 65.75 (1670) | |
| | B | 22.75 (578) | | 18.75 (476) | | 22.75 (578) | | 18.75 (476) | | WIDTH: 28.75 (730) | |
| | C | 26.75 (680) | | | | 26.75 (680) | | | | DEPTH: 27.25 (692) | |

NOTE: Quiet Operation 52 dBA on low, 56 dBA on medium and 60 dBA on high speed measured 30 in. (762 mm) from face of the unit.

SUGGESTED SPECIFICATION & CONFIGURATION

The critical room portable air cleaner shall be Krueger model PAC as shown on the plans or outlet schedule.

CONSTRUCTION

Welded steel filter plenum and blower housing with a corrosion resistant polyurethane enamel finish. Four 2" (51 mm) casters, two locking.

FILTER

Aluminum framed HEPA type, with a minimum efficiency of 99.99% @ 0.3 micron, aerosol challenged. Airflow sensor indicates when the filter needs changing.

PREFILTER

Disposable MERV8 multi-pleat anti-microbial prefilter with frame.

6 IN. (152 MM) EXHAUST PORT

Located on top of the unit for use as a split system to create both negative pressure and clean air recirculation.

MOTOR/BLOWER ASSEMBLY

Direct drive, continuous duty, 1/3 Hp, 0.25 kW, 3-speed motor with sealed-for-life bearings and inherent overload protection located on the "clean side" of the filter. Motor/blower assembly is mounted on vibration dampening rubber mounts and designed to provide rated airflow through a 50% increase in initial static pressure.

ELECTRICAL

Standard 5-15P, 115 V, single phase, rubber-covered cord with 3-prong hospital grade, grounded plug (120V model). Standard 6-15P, 220 V, single phase, rubber-covered cord with 3-prong hospital grade, grounded plug (220V model).

UL LISTING

UL 507 E152685 on standard unit only. (See previous page for unit designation.)

ULTRAVIOLET (UV)

UV light operates continuously while unit is in operation. Wavelength type UV-C. PAC LF has 18" length, 1" diameter bulb with specs of 15.9W, .34A, and 4.9W UV-C radiation at 100 hours. PAC HF and PAC MAX have 36" length, 1" diameter bulb with specs of 30W, .37A, and 12.0W UV-C radiation at 100 hours. Bulbs are rated for 9,000 hours of use.

STANDARD FINISH

The paint finish shall be #44 British White, powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 60 – 70%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.

1. SERIES: (XXXX)

PAC - Portable Air Cleaner

2. MOTOR: (X)

1 - 120V PC Motor
2 - 208/220/240V PC Motor*

3. CONTROL TYPE: (XX)

HF - High Flow
LF - Low Flow
MAX - Maximum Flow

4. FILTER: (XXXX)

HEPA - 99.99% @ 0.3 micron
ULPA - 99.999% @ 0.128 micron

5. ACCESSORIES: (XX)

00 - None
UV - UV-C Light

6. FINISH: (XX)

44 - British White

* Only available with PAC LF or HF control types.

SAMPLE CONFIGURATION: PAC - 2 - MAX - HEPA - UV - 44