

RESPIRATORY PROTECTION

Technical Data

Honeywell Portable Air-Filtration Panels



Product Description

Honeywell Portable Air-Filtration Panels filter impurities and hydrocarbons from an air compressor to convert to breathable air. A CO monitor is integrated to meet OSHA requirements for continuous monitoring of carbon monoxide levels. The panels provide 60 CFM or 100 CFM of air within a 5-125 PSI range.

[Honeywell North RFPF100A Filtration Panel](#)

[Honeywell North RFPF100C Filtration Panel](#)

[Honeywell North RFPF60A Filtration Panel](#)

[Honeywell North RFPF60C Filtration Panel](#)

Portable Air-Filtration Panel
RFPF60A

Assembly Contents

The Filtration Panels consists of the following components:

- Housed in a portable, rugged Pelican case with carrying handle, latches for protection and security
- A 16 gauge, black powder coated steel stand, for support
- All brass plumbing with quick-disconnect Hansen couplers

Assembly Part Numbers

United States

- RFPF60A Filtration panel for 4 workers with Carbon Monoxide (CO) alarm. Alarms at 10 ppm
RFPF100A Filtration panel for 8 workers with Carbon Monoxide (CO) alarm. Alarms at 10 ppm

Canada

- RFPF60C Filtration panel for 4 workers with Carbon Monoxide (CO) alarm. Alarms at 5 ppm
RFPF100C Filtration panel for 8 workers with Carbon Monoxide (CO) alarm. Alarms at 5 ppm

Certification

- Refer to OSHA 29CFR1910.134 for Grade-D air requirements
- Refer to CSA Z180.1-00 for Canadian quality of breathing air requirements

In addition to complying with the above standard, Honeywell recommends the following guidelines:

- Compressors should be in a safe and clean ambient air environment
- Compressors must be properly maintained and serviced
- Area and system air quality should be tested periodically
- It is the user's responsibility to follow the recommendations in this manual and to comply with federal, state and local regulations
- Honeywell filtration panels meet federal requirements when used and serviced in accordance with our instructions

Operation

As the panel regulates and purifies the compressed air, it removes water, oil and particulate contaminants as small as 0.003 ppm. This is accomplished by means of a 3-stage filtration system.

- The first stage of the filtration begins with a 5-micron particulate filter to remove water, oil and large particles. This particulate filter incorporates an automatic drain device.
- The second stage of the filtration is a coalescing-type filter that removes particulate down to .01 microns.
- The third and final stage of filtration is the activated carbon filter. This filter removes nuisance odors and other organic contaminants down to 0.003 ppm.

A sample of the filtered air is constantly fed to a carbon monoxide monitor that activates an audible alarm whenever the concentration of CO exceeds 10 ppm (set for 5 ppm in Canada). The Honeywell Filtration Panels do NOT remove Carbon Monoxide from the air.

Specifications

CO Monitor

Power source	115V AC to 9V DC power adapter for continuous power supply 9V DC Alkaline battery (primary or as back-up for AC adapter)
Alarm Setting	10 PPM (Canada: 5PPM)
Ext. Connections	Optional Remote Strobe Light Alarm
Audible	90 decibel Piezo Alarm
Visual	External power LED light signal
Sensor	Electrochemical, replaceable
Display	Liquid crystal
Keys	Mode & Set
Modes	Normal operation, peak, battery charge and calibration mode
Calibration	Self adjusting calibration to 20 PPM CO



Portable Filtration Panel
RFPF100A

Filtration System

First Stage	5 micron particulate filter element and automatic mechanical drain
Second Stage	0.010 micron coalescing filter element and manual drain
Third Stage	0.003 micron activated carbon filter element and manual drain
Regulator	High pressure, adjusting pressure knob, 0-160 pressure gauge and external relief valve
Flow Meter	Adjustable metering valve, range from 0.0-1.0 LPM

Material Composition

First Stage	Zinc manifold, ABS Cover, Nylon bowl guard, Polycarbonate bowl, with a 5 micron Sintered Polyethylene coalescing filter element and automatic mechanical drain.
Second Stage	Zinc manifold, ABS Cover, Nylon bowl guard, Pressure indicator, Polycarbonate bowl with a 0.010 micron Borosilicate Cloth coalescing filter element and manual drain.
Third Stage	Zinc manifold, ABS Cover, Nylon bowl guard, Pressure indicator, Polycarbonate bowl with a 0.003 ppm activated carbon filter element and manual drain.
Regulator	High Pressure, Zinc body, Acetal Adjusting knob, ABS Cover, Brass/Nitrile valve, a 0-160 pressure gauge and an external relief valve.
Flow Meter	Clear acrylic, Teflon float, with adjustable metering valve. Graduations: 0.0 - 1.0 LPM

Dimensions

Model	Length	Width	Height	Weight
RFPF60C, A	21 in (53.3 cm)	6 3/4 in (17 cm)	14 1/2" (36.8 cm)	21 lbs (9.5 kg)
RFPF100C, A	23 in (58.4 cm)	7 1/2 in (19 cm)	16 1/2" (42 cm)	27 lbs (12.2 kg)

Major Components of the Honeywell Portable Filtration Panels

Filtration Panels Major Assemblies

United States

- RFPF60A Filtration panel for 4 workers with Carbon Monoxide (CO) alarm. Alarms at 10 ppm
- RFPF100A Filtration panel for 8 workers with Carbon Monoxide (CO) alarm. Alarms at 10 ppm

Canada

- RFPF60C Filtration panel for 4 workers with Carbon Monoxide (CO) alarm. Alarms at 5 ppm
- RFPF100C Filtration panel for 8 workers with Carbon Monoxide (CO) alarm. Alarms at 5 ppm

Accessories

- RFPFCK Calibration kit for CO Monitor on RFPF Series filtration panels
- RFPFCO 17 liter CO gas cylinder for CO monitor in RFPF Series filtration panels
- RFPFO2 17 liter O2 gas cylinder for CO monitor in RFPF Series filtration panels
- RFPFRA CO remote alarm, 50 feet, for RFPF Series filtration panels
- 935003N Pre-filter assembly for RFPF Series filtration panel

Replacement Parts

- RFPF987295 115-120V AC adaptor for RFPF Series filtration panels
- RFPFRFK60 Replacement filters assembly for RFPF60 Series filtration panels
- RFPFRFK100 Replacement filters assembly for RFPF100 Series filtration panels
- RFPF987269 CO replacement sensor for RFPF Series

Country of Origin:

United States

WARRANTY

Honeywell Safety Products warrants the Honeywell portable air-filtration panels to the original owner to be free from defects in materials and workmanship for a period of one (1) year from the date of original shipment from Honeywell's factory. Honeywell's obligation under this warranty will be, at Honeywell's option, to repair or replace without charge the Honeywell Ambient Air Pumps or any of its components found by Honeywell to have been defective during the warranty period, under the following terms:

1. The warranty claim is made (i) by the owner who purchased the Honeywell portable air-filtration panels new from Honeywell or an authorized Honeywell Distributor, and (ii) not more than three (3) months after the end of the warranty period.
2. The Honeywell portable air-filtration panels or component is found by Honeywell to have been defective in normal use and service during the warranty period of one (1) year from the date of purchase by the owner.
3. The Honeywell portable air-filtration panels or component is returned freight prepaid to Honeywell, either to its factory in Cranston, Rhode Island, or to a Honeywell authorized service center, and is thereafter returned to the owner freight collect.
4. This warranty does not apply (i) to any Honeywell portable filtration panels or component found by Honeywell to have become defective as a result of any accident, alteration, misuse, abuse, or servicing with parts not approved by Honeywell; (ii) to deterioration or aging of any component made of rubber or other elastomer since such components can be adversely affected by undue exposure to heat, sun, water, chemicals, ozone or other deteriorating elements; or (iii) facepiece lens, compressed-air cylinders and parts that become defective through normal use. The decision as to what constitutes normal use shall be made solely by HONEYWELL SAFETY PRODUCTS.
5. To maintain this warranty, the purchaser must perform maintenance and inspections as prescribed in the User's Instructions which shall include prompt replacement or repair of defective parts, and replacement of parts per the maintenance schedule as prescribed in the User's Instructions.

THE OWNER ASSUMES ALL OTHER RISKS, IF ANY, SUCH AS THE RISK OF ANY DIRECT, INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE USE OF, OR INABILITY TO USE, THE PRODUCT. SERVICING HONEYWELL RESPIRATORS WITH PARTS NOT APPROVED BY HONEYWELL WILL VOID THIS WARRANTY AND NIOSH APPROVAL FOR THE RESPIRATOR UNIT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED AND MAY NOT BE VARIED OR EXTENDED EXCEPT IN WRITING BY AN AUTHORIZED OFFICIAL OF HONEYWELL SAFETY PRODUCTS