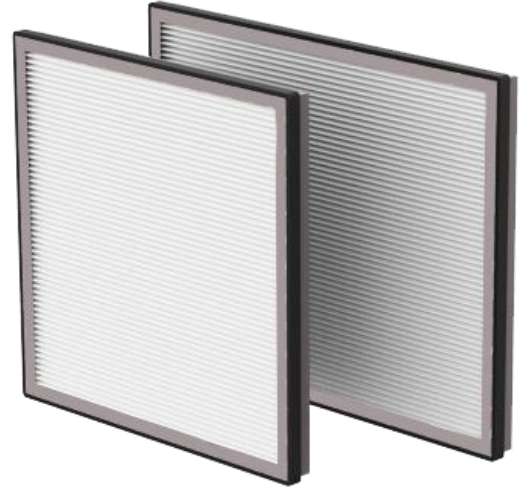


PAT 16 Series Infection Control Filter MERV 16 (ICF-16)



The Infection Control Filter breaks down germs, bacteria and viruses and has been tested on Coronavirus, Escherichia coli, Klebsiella pneumoniae, and Staphylococcus aureus.

It captures particulate matter as small as 0.003 micron at >95% efficiency.

With the Infection Control Filter's unique design, it's able to reach a MERV 16 rating while maintaining a low pressure drop over the life of the filter.

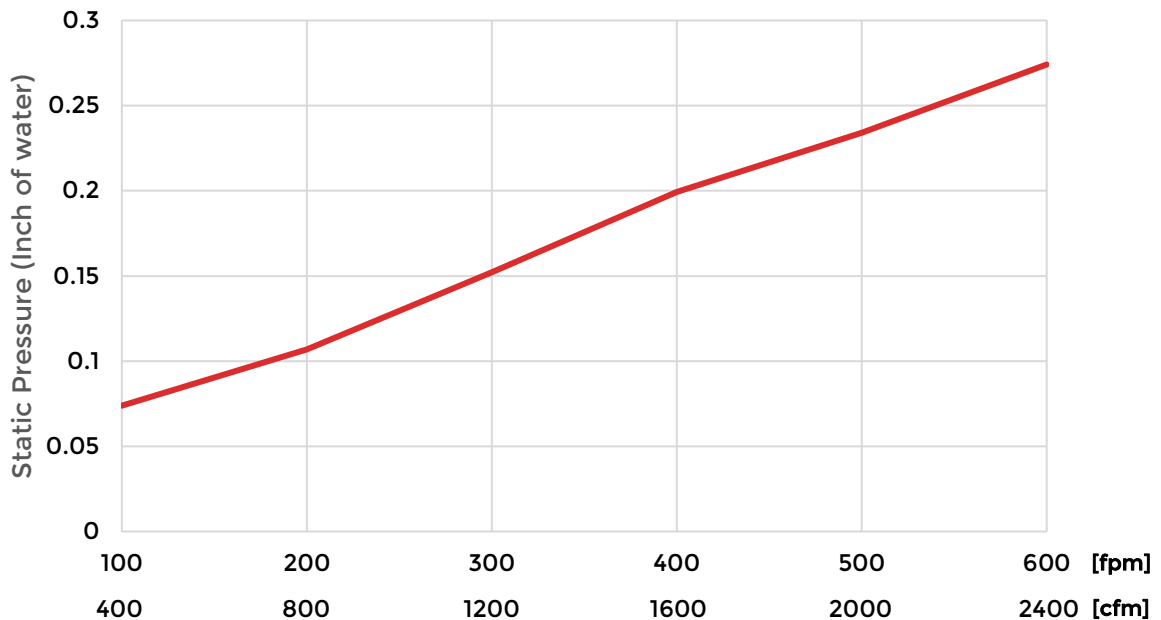
Features

Pure Aire Technologies proprietary Zinc Pyrithione coating on the filter inflow side attacks the bacteria cell wall and virus proteins. The coating ensures an effective log reduction of 94% on the Coronavirus and 99% on most common hospital bacteria over 2 hours. (according to ISO18184 and AATCC 147:2011)

Pure Aire Technologies MERV 16 rated Polypropylene (PP) based material creates low pressure drops of 0.24 inch of water at 500fpm (2.5 m/s). The low-pressure drop does not inhibit the HVAC's airflow and allows the filter to be used between six and twelve months.

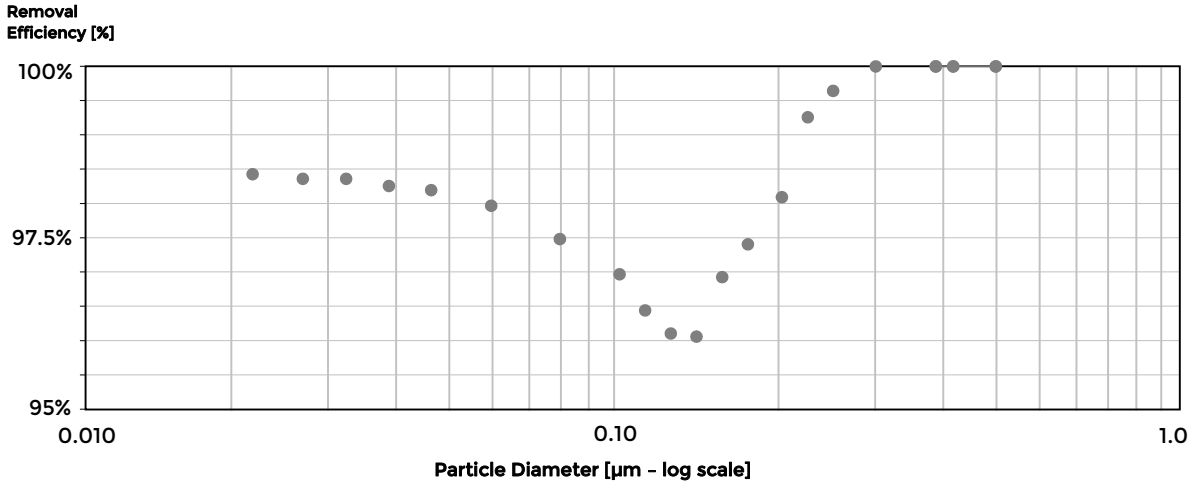
The right fit in residential and commercial HVAC systems is achieved with the gasketed filter frame. The tight seal gasket ensures both minimal air leakage and minimal air bypass.

Pressure Drop on 24" x 24" *





Particle Size Removal Efficiency



*Tested according to EN1822

Sizes Available

Size	Part #	Actual Size
12x24x2	PAT1612242	11 3/8 x 23 3/8 x 1 3/4
14x20x2	PAT1614202	13 3/8 x 19 3/8 x 1 3/4
14x25x2	PAT1614252	13 3/8 x 24 3/8 x 1 3/4
16x16x2	PAT1616162	15 3/8 x 15 3/8 x 1 3/4
16x20x2	PAT1616202	15 3/8 x 19 3/8 x 1 3/4
16x25x2	PAT1616252	15 3/8 x 24 3/8 x 1 3/4
16x30x2	PAT1616302	15 3/8 x 29 3/8 x 1 3/4
20x20x2	PAT1620202	19 3/8 x 19 3/8 x 1 3/4
20x25x2	PAT1620252	19 3/8 x 24 3/8 x 1 3/4
20x30x2	PAT1620302	19 3/8 x 29 3/8 x 1 3/4
24x24x2	PAT1624242	23 3/8 x 23 3/8 x 1 3/4
24x30x2	PAT1624302	23 3/8 x 29 3/8 x 1 3/4



What is an Infection Control Filter?

The Infection Control Filter (ICF) by Pure Aire Technologies is an air filter for HVAC systems that utilizes a proprietary Anti-Viral coating of Zinc Pyrithione on the inflow side of the filter that breaks down germs, bacteria, and viruses. It captures particulate matter as small as 0.003 micron at >95% with a MERV16 rating while maintaining an extremely low pressure drop over entire lifetime.

What is Zinc Pyrithione?

Zinc pyrithione (or pyrithione zinc) is a coordination complex of zinc that has fungistatic (that is, it inhibits the division of fungal cells) and bacteriostatic (inhibits bacterial cell division) properties and is used in the treatment of seborrheic dermatitis, a skin condition of rough, scaly skin on the scalp and face. It has also been tested effective on Coronavirus (COVID), Escherichia coli (E-Coli), Staphylococcus aureus (Staph Infections) and Klebsiella Pneumoniae – a superbug that can cause, pneumonia, Meningitis and Urinary Tract Infections.

What is the MERV Rating of the Infection Control Filter (ICF)?

The ICF has been rated at least MERV16 and captures particulate matter as small as 0.003 microns (some viruses and ultrafine particles from vehicle exhaust) at >95%, while maintain extremely low pressure drop over the filter lifetime.

What sizes are the filters available in?

All Infection Control Filters have 2" thick media and come in the following sizes:

Nominal Size	Actual Size in in.	Actual Size in mm
12x24x2	11 3/8 x 23 3/8 x 1 3/4	297 x 594 x 45
14x20x2	13 3/8 x 19 3/8 x 1 3/4	340 x 492 x 45
14x25x2	13 3/8 x 24 3/8 x 1 3/4	340 x 619 x 45
16x16x2	15 3/8 x 15 3/8 x 1 3/4	391 x 391 x 45
16x20x2	15 3/8 x 19 3/8 x 1 3/4	391 x 492 x 45
16x25x2	15 3/8 x 24 3/8 x 1 3/4	391 x 619 x 45

Nominal Size	Actual Size in in.	Actual Size in mm
16x30x2	15 3/8 x 29 3/8 x 1 3/4	391 x 746 x 45
20x20x2	19 3/8 x 19 3/8 x 1 3/4	492 x 492 x 45
20x25x2	19 3/8 x 24 3/8 x 1 3/4	492 x 619 x 45
20x30x2	19 3/8 x 29 3/8 x 1 3/4	492 x 746 x 45
24x24x2	23 3/8 x 23 3/8 x 1 3/4	594 x 594 x 45
24x30x2	23 3/8 x 29 3/8 x 1 3/4	594 x 746 x 45

What is the operating pressure drop?

Infection Control Filters MERV 16 rated PP based material creates low pressure drops of 0.24 inch of water at 500fpm (2.5 m/s). The low-pressure drop does not inhibit the HVAC's airflow and allows the filter to be used between six and twelve months.