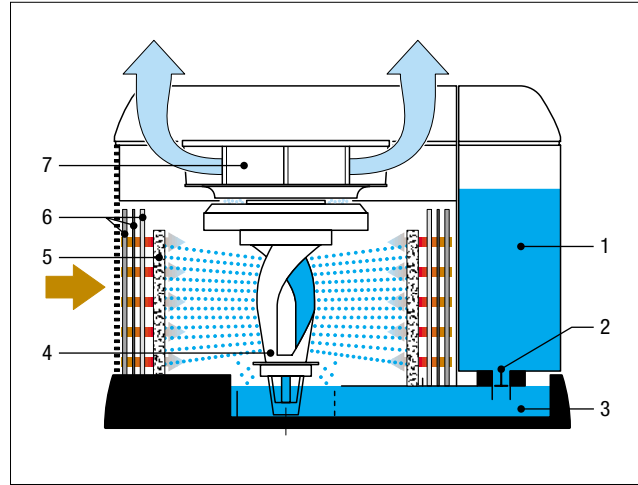


Defensor PH5 futura

Technical Specifications and Facts

The Defensor PH5 futura is suitable for cleaning as well as humidifying the air.



Water flows from the water tank (1) via a level control valve (2) into the basin (3) at the bottom of the unit. The centrifuge (4) suctions the water from the basin up and hurls it against the activated carbon mat (5) in the form of very fine droplets. The fan (7) located at the top draws in ambient air through a triplex filter (6), consisting of coarse dust filter, activated carbon filter, and fine dust filter, and cleans it. Finally, the air passes through the activated carbon evaporator mat where it is humidified. Afterwards, the purified and humidified air exits through the slots provided at the top of the housing and is distributed in the room.

Note: Without water, the Defensor PH5 futura functions exclusively as an air cleaner.

Unit specifications (Subject to technical alterations):

Rated capacity	max. 15 Watt	
Capacity per step	I	II
Air circulation (m ³ /hr)	100	145
Humidification capacity (dl/hr)		
at 45% rF and 23°C	2.7	3.7
Acoustic capacity level (dBA)	46	53
Sound intensity level (dBA)	40	47
Water capacity	7.5 litres	
Dimensions	460 x 350 x 310 mm (W x H x D)	
Filter surface	0.2 m ²	
Empty weight	6.9 kg	



Reg.No. 40002-2

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Consulting, Sales, and Service:

Defensor

Air purification and humidification in one product.

Defensor PH5 futura

...cares about your well-being.



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Defensor

Defensor PH5 futura – Air purification and humidification in one product

Modern man spends up to 90% of his life behind closed doors.

The quality of the air in the homes in which we live and work has a significant influence on our health and well-being. Air pollution has more than doubled during the past 20 years – depending on region, climate, season, weather, and several other factors, which can be seen in a general deterioration of the room air quality.

Negative influences from the environment can be blamed to a great extent for causing or aggravating severe respiratory illnesses.

Sulphur dioxide, nitrogen oxides, tobacco smoke, home and airborne dust from outside, as well as pollen, smog, and ozone are the main culprits. The ones primarily affected by these conditions are children and people suffering from allergies, asthma, heart conditions, and circulatory problems.

The **Defensor PH5 futura** air purifier once again fills our lungs with fresh air. Room air is being recirculated 2 to 4 times per hour and effectively purified from harmful substances.

Pure air is even better when it's not too dry.

The nose tickles, the tongue and throat feel dry, and there is a constant urge to drink: These effects of air which is too dry are not only troublesome and uncomfortable but furthermore, they are signals of pending danger for our health. Excessively dry room air also weakens the immune system thus paving the way for infectious diseases. Increasing occurrences of colds during the winter months are not the result of a weakened immune system due to the body's exposure to cold temperatures. But rather, dry air is primarily to blame when head colds, coughs, and headaches make our lives miserable.



A properly adjusted room humidity prevents these problems and has also a therapeutic effect.

The **Defensor PH5 futura** also functions as a very effective air humidifier for dry rooms: Air is washed just like in a summer thundershower.

A relative humidity of 45 to 55% is generally considered ideal. For people suffering from bronchitis, asthma, or rhinitis, however, a somewhat higher humidity (60%) can be beneficial.

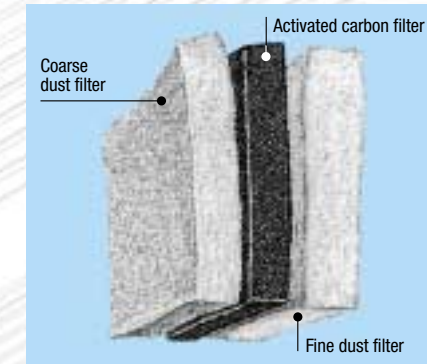
The air in our residential and work areas is usually too dry. Tests performed in 69 offices and living rooms revealed that half of the rooms equipped with radiators and nearly three fourths of rooms with radiating ceiling heaters have a relative humidity of less than 30%. Mucous membranes are affected already at a humidity of less than 40%. The problems caused by dry air are still underestimated.

Create the ideal room climate with the **Defensor PH5 futura** air purifier and humidifier. Your health and general well-being will greatly benefit.

The **Defensor PH5 futura** generates fresh, clean air – layer for layer.

The triplex filter ensures highly effective air purification:

Coarse and fine dust filters systematically rid the air of pollen and particles as small as 0.2 microns. An activated carbon filter reduces unpleasant odours, tobacco smoke, and harmful gases by a factor of up to 3.5. Natural air purification without the use of chemical additives.



The Defensor PH5 futura evaporator is both an effective air cleaner and humidifies germ-free.

The evaporation principle:

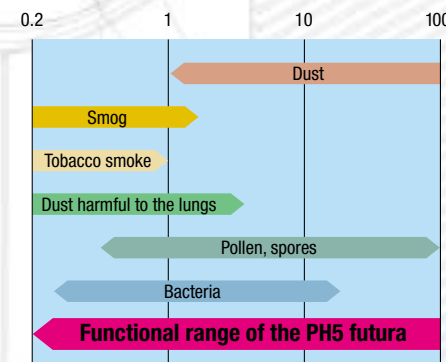
Room air is drawn in by a fan and passes over an activated carbon mat which is continually sprinkled with water. During this process, the air absorbs water vapour. The activated carbon mat should be replaced periodically depending on the water hardness.

The **Defensor PH5 futura** is available in anthracite with a blue base and yellow switch panel. It suits all living and working areas thanks to its attractive design and ideal size. In the fresh-water tank, the water used for humidification remains clean to the last drop. The removable tank is easy to refill.

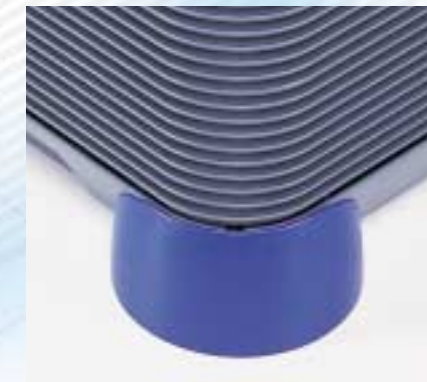
Air exiting the Defensor evaporator to be distributed in the room has, contrary to other systems, a lower germ count than the ambient air which is drawn into the unit. Evaporators are user-friendly appliances with a very low energy consumption.

The Defensor PH5 futura – the real professional when it comes to air cleaning and humidification – cares about your well-being.

Air pollution in microns:



Coarse dust, fine dust, and activated carbon filters are arranged as a single unit in the replaceable triplex filter. The triplex filter should be periodically replaced according to the amount of air pollutants. The replacement is easy and safe to perform, since there is no dangerous waste.



Reduction of harmful substances with the Defensor PH5 futura

(Reduction of harmful substances after 60 minutes and triple air circulation)

