

MADE IN ITALY
PATENTED

NAUTICAL BATHROOMS REVOLUTION WITH **AirEx**

SOLVES THE PROBLEM OF UNPLEASANT SMELLS,
VIRUSES AND BACTERIA SPREAD!

Planus SpA is an Italian manufacturing company. We have extensive personal experience in the production of macerators and other automatic pumping devices, having been involved in this field for more than 30 years. In the past, we operated under different brand names. Born in 2009, Planus SpA offers a wide range of technically advanced products.



PLANUS

AirEx

Numerous official studies carried out internationally have shown that viruses and bacteria, including Coronavirus, are widely present in the aerosol/droplets generated during the use of the toilet.

Aerosol frequently released and spreads out from toilet also have unpleasant smell (**fig. 1**) and accordingly to several scientific studies and researches, it can remain suspended in the air for long time, making possible its inhalation by a subsequent user. Furthermore, aerosol can land on nearby surfaces increasing the risk of contamination.

The use of a traditional toilet can cause air contamination of all the bathroom.

Complete air changes are essential to remove unpleasant smells and to prevent contaminants spread.

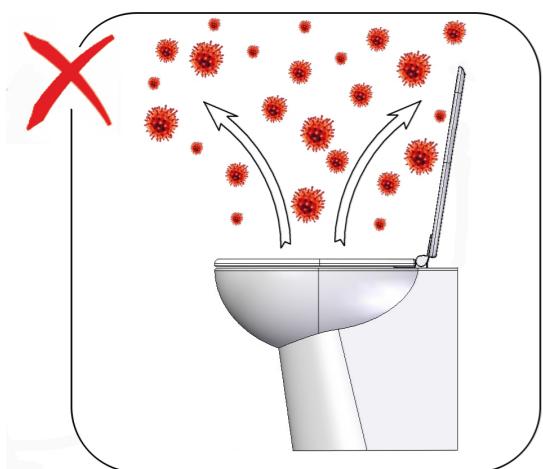


fig. 1

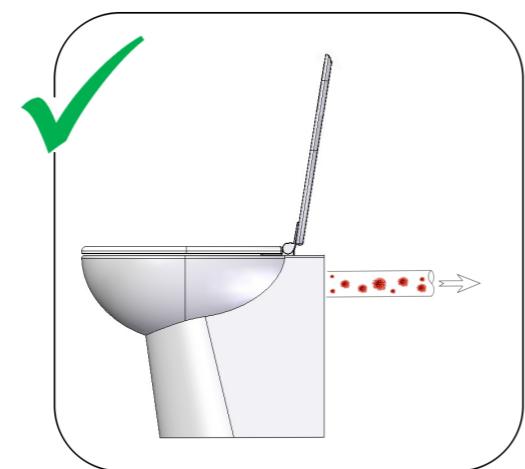


fig. 2

The innovative PLANUS AIREX system solves the problem of aerosol and unpleasant smells by removing them before they come out from the bowl, blocking its spread.

Planus has created specific PATENTED versions of its nautical toilets equipped with a system for the aerosol suction directly from the toilet bowl (**fig. 2**).

This system, quiet and efficient, allows to extract the aerosol at the source, counteracting both unpleasant smells release and viruses and other pathogens spread.



AirEx



The **AirEx** toilet extraction system is equipped with a silent aspirator made of stainless steel (fig. 3).

The **AirEx** system can therefore convey to the outside of the hull all contaminated aerosol and unpleasant smells sucked directly from the toilet to the outside of the hull, preventing its spread (fig. 4).

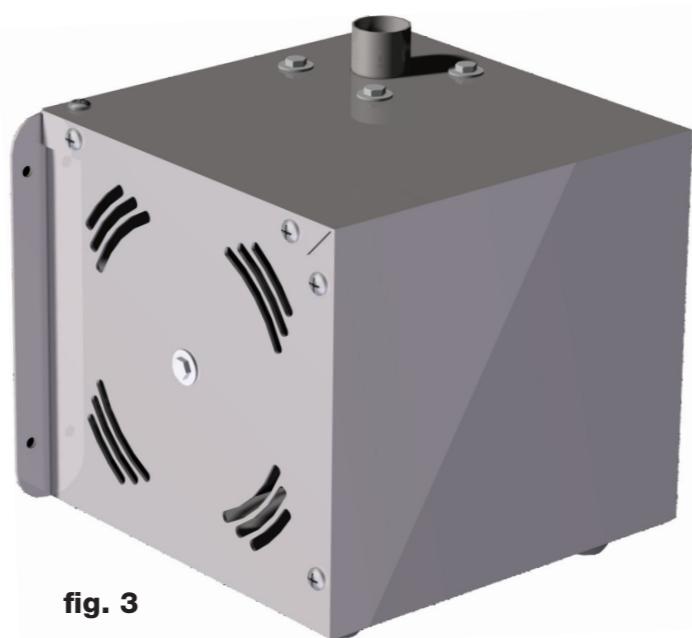


fig. 3

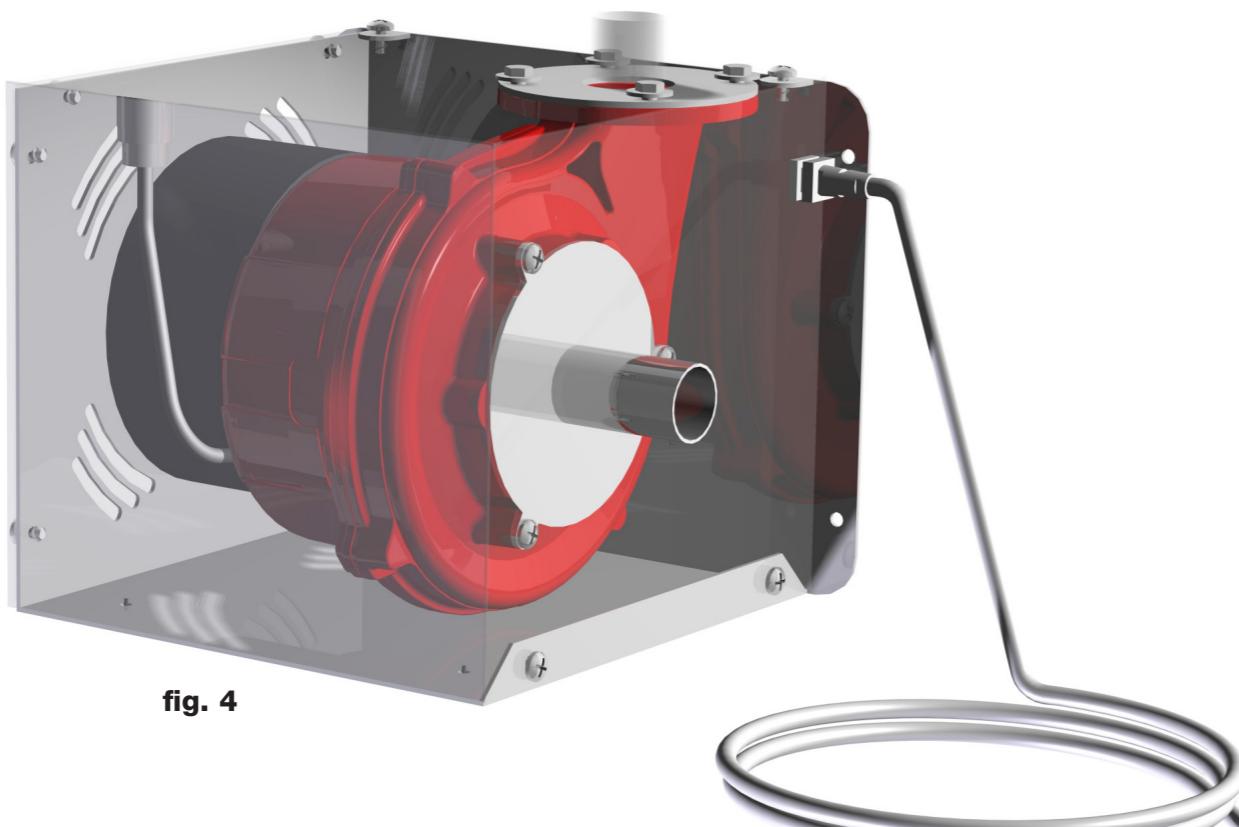


fig. 4



fig. 5

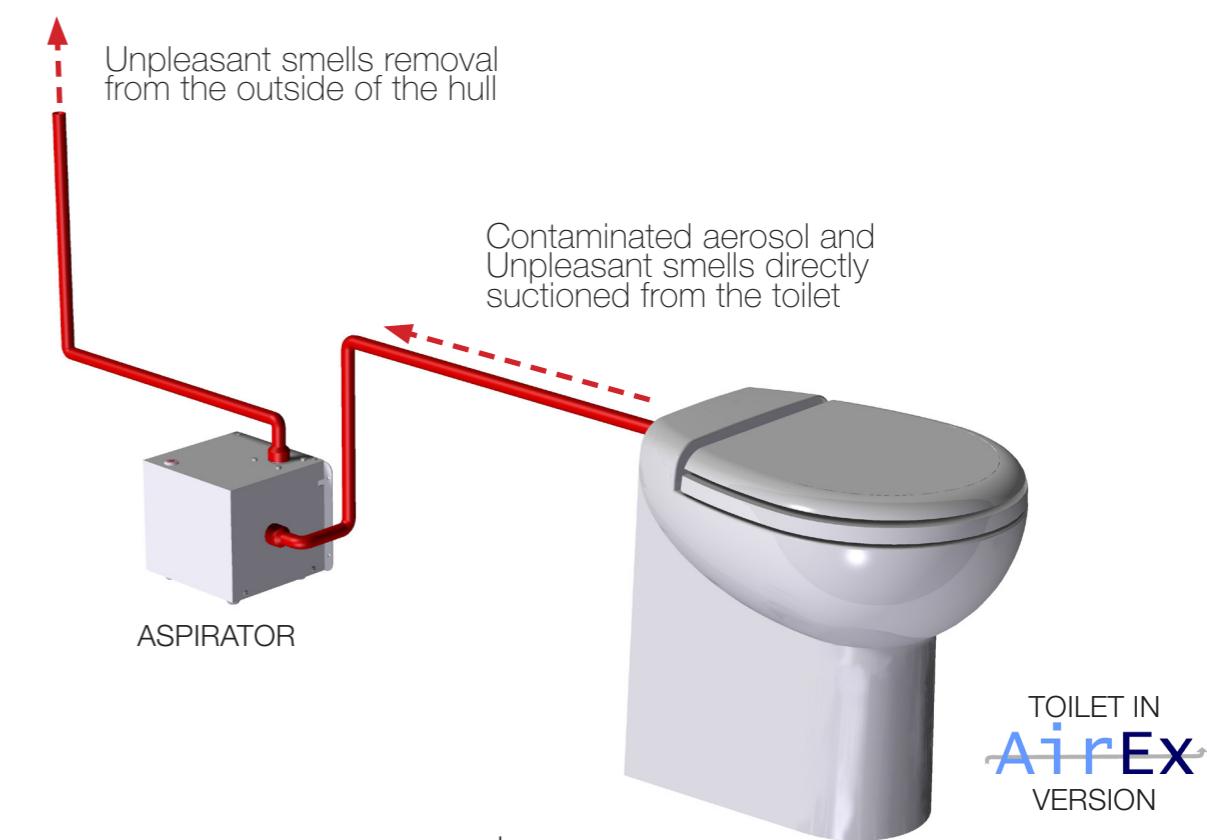
Hidden aspiration

Planus nautical toilets in **AirEx** version are equipped with an aspiration system, invisible, through which contaminated aerosol and unpleasant smells are extracted (fig. 5), preventing their spread in the bathroom.

The **AirEx** system, made of nautical Planus toilet in **AirEx** version and from the aspirator, must be connected to the external unit containing the aspirator through a duct with internal suggested diameter of 25mm.

The exhaust of the **AirEx** system aspirator will then be connected to the outside of the hull, for the aspirated aerosol and unpleasant smells removal.

HOW DOES THE AIREX SYSTEM WORK?



technical specs

INSTALLATION AND
MEASUREMENTS

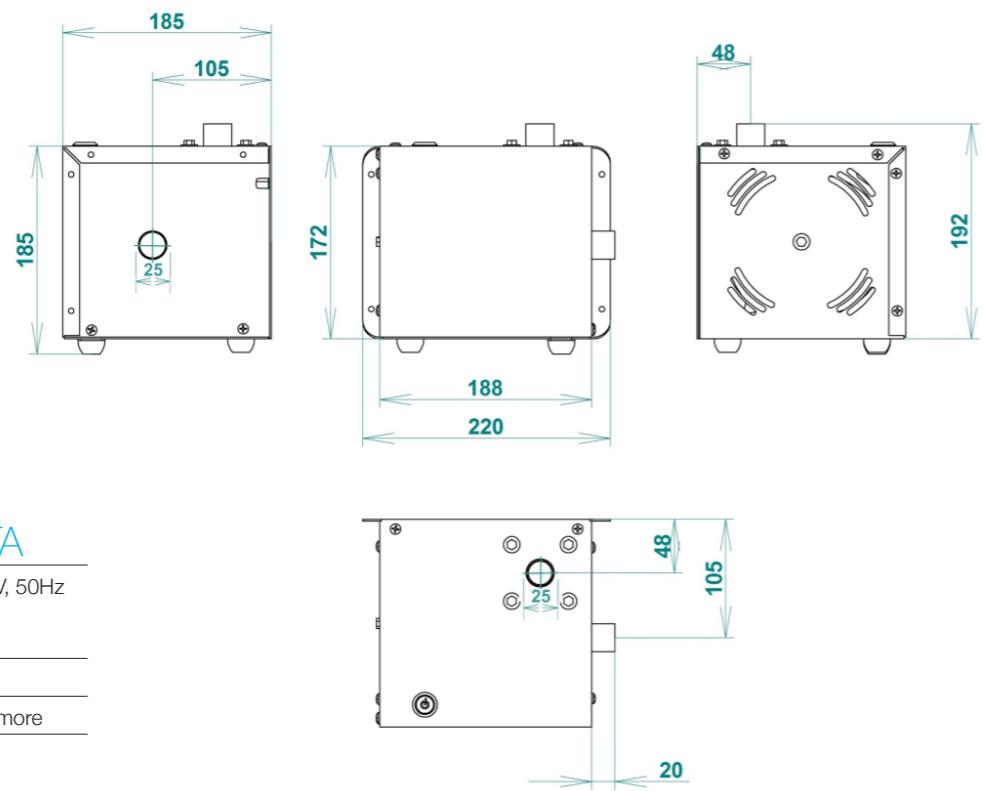


AIREX

ASPIRATOR FOR **AIREX SYSTEM**
IS AVAILABLE IN 12VDC, 24VDC AND 230VAC

18,5x18,5x h 19,2 CM

NOTE:
Not compatible with versions with integrated bidet



TECHNICAL DATA

Voltage power supply (available versions)	AC 220-240V, 50Hz 12Vdc 24Vdc
Absorption	55 W
Pipe diameter	ID 25mm or more



Università Cattolica del Sacro Cuore



ALTEMS
ALTA SCUOLA DI ECONOMIA
E MANAGEMENT DEI SISTEMI SANITARI

The **Catholic University of the Sacred Heart of Rome — Policlinico "A. Gemelli"** took care of the validation of the health benefits of the PLANUS SpA products equipped with aspirator for contaminated aerosol.

AirEx



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