

Jets State-of-the-Art Vacuum Toilet System for Yachts



JETS

Sanitary Systems
- made to please

Jets in the Finest Yachts

A passion for the sea, for adventure, for superb design and exceptional performance. That's why you'll find Jets solutions on some of the finest yachts in the world.

The luxurious yacht segment appreciates compact, elegant and extremely reliable Jets solutions.

In this sector, knowledgeable and experienced clients set the highest standards for every system on board.

Compact, low-weight system

- Greater design flexibility
- No tank needed to generate vacuum
- saves both weight and space

Easy installation

- True in-line installation of vacuum unit

High quality - extra reliability

- The same reliable quality performance on which large cruise ships depend
- Designed to function smoothly and provide ample capacity for intensive use

Sleek efficiency

- Very high vacuum generating capacity
- Transparent end-cover enables easy inspection and access
- Easy to replace individual components in the flushing mechanism
- Improves sewage treatment processes

Combined black- and greywater systems

- Easy interface of greywater from bath tubs, showers and bidets
- Jets Vacuumators handle combined or separated black- and greywater systems
- Our specialized knowledge of marine vacuum systems is at your disposal

Compliance with environmental regulations

- Easy to integrate with the different types and makes of sewage treatment plants
- Integrated macerator shreds sewage into fine pulp



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Toilets

Jets supplies a complete range of high-quality toilets for marine use.



DECK-MOUNTED VITREOUS CHINA



WALL-MOUNTED VITREOUS CHINA



STAINLESS STEEL



SQUAT PAN

The vacuum-powered controller (VPC) mechanism for flushing allows replacement of individual parts for easy, low-cost maintenance and repairs.



The Jets

Elegant in its simplicity, the Jets solution for yachts has been selected by award-winning yacht designers.

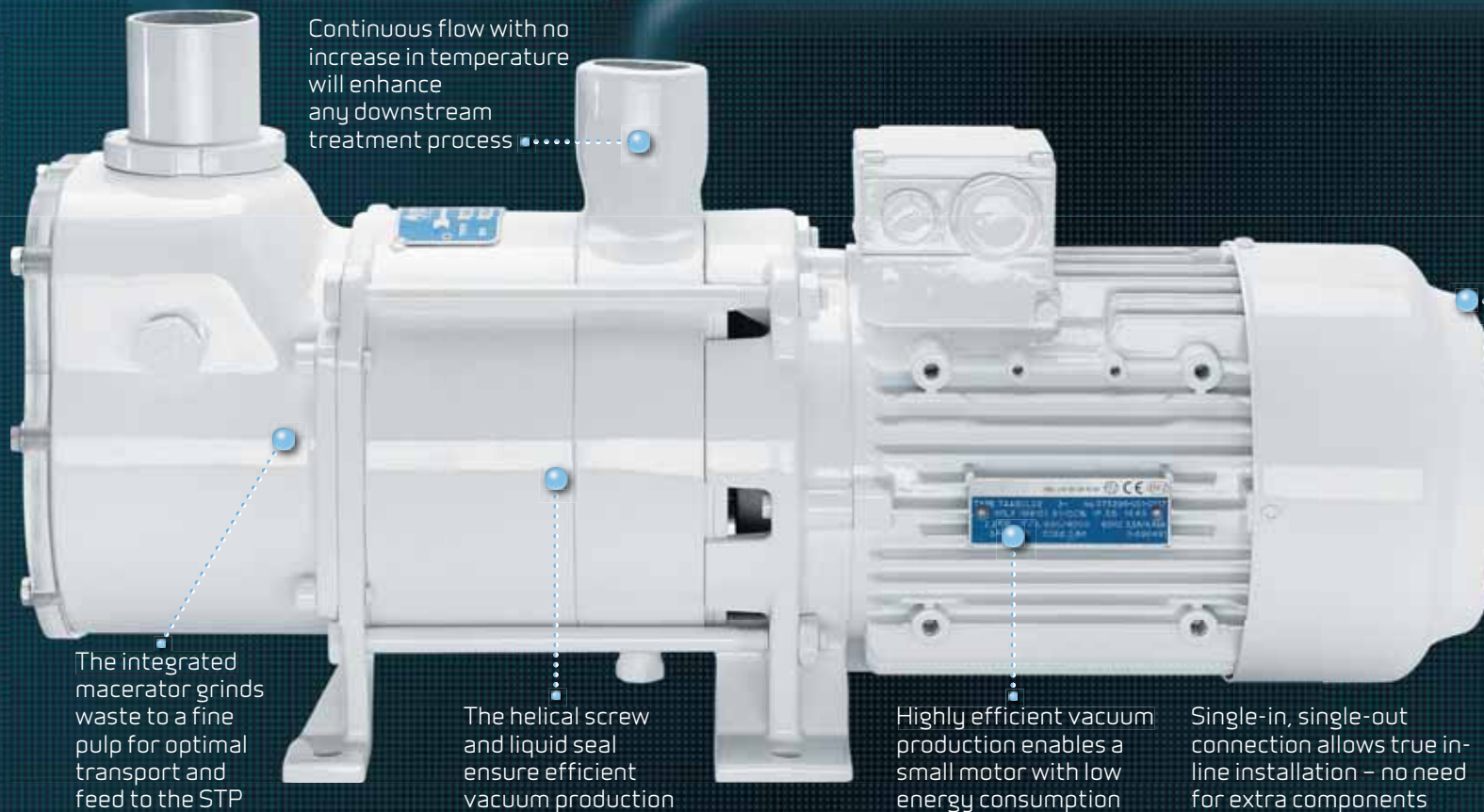


System

The unique Vacuumarator

The ingenious Vacuumarator with its integrated macerator offers important benefits on yachts: less space, high capacity, simpler maintenance, lower costs, and unsurpassed reliability. The in-line principle enables installation of the vacuum generator almost anywhere in the vessel.

Jets offers a full range of possibilities from individual components to complete prefabricated modules with vacuum units and sewage treatment plants, as well as a collecting tank - if desired.



Continuous flow with no increase in temperature will enhance any downstream treatment process

The integrated macerator grinds waste to a fine pulp for optimal transport and feed to the STP

The helical screw and liquid seal ensure efficient vacuum production

Highly efficient vacuum production enables a small motor with low energy consumption

Single-in, single-out connection allows true in-line installation - no need for extra components

VACUUMARATORS



MINI: JETS 10NT



SMALL: JETS 15MB-D



MEDIUM: JETS 25MBA



LARGE: JETS 65MBA

Jets Basic Systems

- A Jets sanitary system is a solution that runs smoothly at a competitive price
- In a tough business climate, Jets keeps your life cycle costs low
- Thousands of installations prove the reliability of Jets standard solutions
- A typical Jets sanitary system consists of 10-40 toilets and 2 Vacuumators
- In most of these projects, planning, ordering, installation and commissioning is so easy that no external assistance is needed
- Our technical documentation makes planning straightforward, saving time and labour costs
- Our local representatives give you first-line support in all major shipbuilding and shipping countries

Jets Add-on Systems

For advanced, integrated sanitary systems, Jets offers extensive assistance and in-depth expertise - giving valuable answers to your challenges and questions:

- What vacuum capacity is needed for the number of people on board?
- What is the best way to integrate greywater and blackwater?
- What are the vessel's design and space limitations?
- How can we optimize collecting tank capacity?
- How do we ensure compliance with environmental rules?
- How should we design the piping to prevent backflow of sewage?
- Smart interaction results in overall system economy and low Life Cycle Cost:

Ship designer

Ship-builder

Ship-owner

JETS Expertise Components System solution



Jets supports planning, engineering, installation and commissioning. Bring Jets into your process at an early stage.

The Smarter Sanitary System for Yachts

Jets provides a streamlined solution designed to save space and weight on board.



Jets in the Finest Yachts



Award-winning Benetti Yachts, pioneer of the modern motor yacht, has a reputation for exceptional craftsmanship which dates back well over a century. Benetti's semicustom composite yachts can be built in about half the time of all-metal craft. With exacting demands for precise and flexible installation, the compact Jets system is a clear choice.

Jets has delivered more than 50 installations to luxury yachts from Azimut-Benetti – mainly combined black- and greywater systems with a common vacuum unit.

The "AMNESIA" is a 55m full-displacement steel yacht with a luxurious interior designed by Stefano Natucci. The sanitary system is supplied by Jets.



Superb design. Innovative technology. Razor-sharp performance. The exhilaration of freedom combined with the reassurance of reliability and safety. Your own luxurious haven at your command on the turquoise seas. It all adds up to the pleasure of owning a Ferretti yacht.

A passion for excellence is the hallmark of the Ferretti brothers, who founded their company in 1968 and have been building top-notch mega yachts since then.

Ferretti has been a Jets customer for many years.



Aristotle Onassis converted "Christina Onassis" into the most sumptuous private yacht in the world.

In 1998, Onassis family friend and shipping industry leader John Paul Papanicolaou started restoring the yacht he had cruised on as a child. The 325-foot yacht is the first in the world to bear a passenger classification. The "Christina 0" accommodates up to 36 passengers in 18 staterooms with luxurious en-suite marble bathrooms, as well as the breathtaking Onassis Suite.

On board, you'll find the Jets system installed.



"MIRABELLA V"
THE WORLD'S LARGEST SLOOP

Photo: Andrew Bradley

Jets expertise proved a valuable asset in this pioneering project

Designed to be the ultimate windward-performing sail vessel, the 75-metre "Mirabella V" has an 89-metre mast, and a sail area of 3,900 square metres. The superyacht with its innovative composite structure presented vast challenges to the architects, the Ron Holland Design studio, and the yard, Vosper Thornycroft.

All the sanitary requirements have been met by Jets Vacuum. Because the craft can heel at an angle of 20 degrees for extended periods, the "Mirabella V" is equipped with two separate Jets systems. One is driven by a 30MB-D Vacuum unit for the toilets. The other is driven by a 50 MBA vacuum unit for all greywater.





"FLAMINGO DAZE"

Photo: Hakvoort B.V

Designed by Glade Johnson design, "Flamingo Daze" is a superb 47m motor yacht. She is built by Hakvoort, the well-known Dutch yacht builder. The Hakvoort family has taken great pride in crafting superb yachts since the company was founded in 1919. Located at Monnickendam, the yard has achieved a prestigious reputation by word of mouth.

"PELORUS"



Built by Lürssen in 2003, the 377-foot "Pelorus" was designed by Tim Heywood with a 56-foot beam and a helipad.

"CARINTHIA VII"



The stunning 321-foot "Carinthia VII", with a steel hull, was designed by Tim Heywood and built by Lürssen in 2002.

...they are all equipped with Jets systems



"CLARENA"

"Clarena" is fitted with a combined black- and greywater Jets sanitary system operated by a Jets 50 MBA vacuum unit.



There is an optimal JETS Sanitary System
...for one toilet....30 toilets....or thousands



Small or large –
JETS deliver
unmatched
system performance



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