

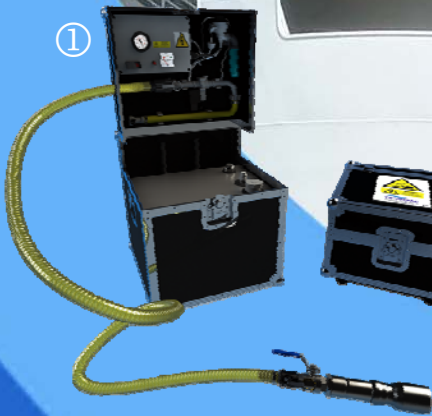
Transvac Quality Marine Equipment

Product Outline

Maintenance Equipment for Vacuum Toilet Systems



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Innovative Designs:

Transvac Systems have developed a range of innovative maintenance equipment and consumables specifically designed to enhance the operation of Marine Vacuum Sanitary Systems as installed on a wide variety of vessels and offshore installations operating worldwide.

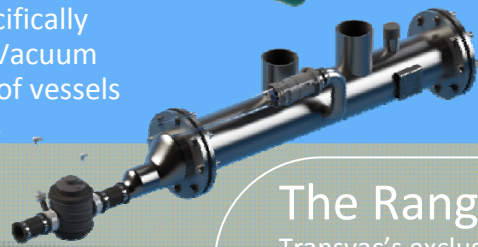
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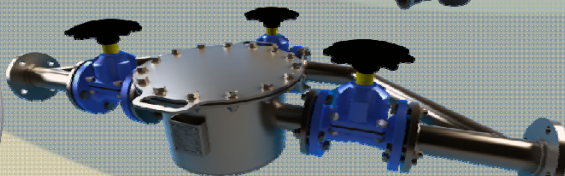
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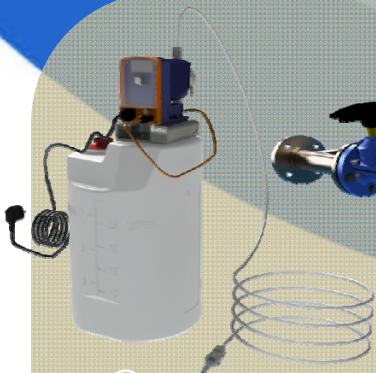
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The Range

Transvac's exclusive range of maintenance equipment for vacuum toilet systems includes the following :

- ① PiranhaVac - Acid Injection Pipe Descaler
- ② Transtrap - Solids Tine Traps
- ③ Slop-Hopper - Vacuum Interface Valve
- ④ Ragsnag Rings - WC Debris Retainers
- ⑤ Air Admission Valve - Auto Line Purging
- ⑥ Antifoam Dosing Unit - Foam Emulsifier

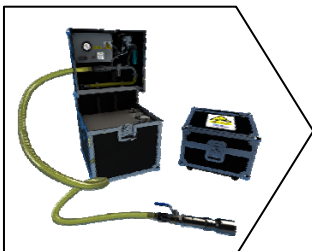
- ① Ram-Rod - Heavy Duty Drain Cleaner
- ② SD10 - Phosphoric Acid
- ③ TSHD9 - Foam Emulsifier
- ④ Z111 - Low Foaming Toilet Cleaner
- ⑤ TN10 - Alkaline Neutraliser
- ⑥ Citrasolve 70 - Citrus Solvent Degreaser

See overleaf for further details



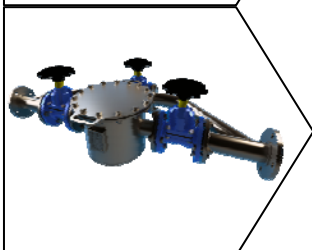
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Product Description



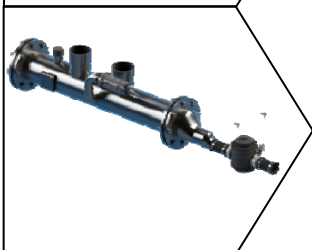
The PiranhaVac Acid Injection Unit.....

An extremely effective & innovative "Cleaning Tool" which can be easily used by the operator to remove calcination buildup from vacuum mains as an onboard maintenance task. Considerable savings towards maintenance/running costs can be achieved through regular use as it will negate the requirement for specialist companies to attend the vessel during drydock or emergency periods in order to remove blockages.



The Transtrap Solids Tine Trap.....

A Tine Filter which has been designed to effectively capture large scale debris (such as Rags, Rope, Bolts and Bottles etc) prior to entering the Ejectors and Pumps. Transtraps are supplied in sizes DN50, DN65 and DN80 in either Stainless (AISI 304 or AISI 316) or Galvanised Steel. The traps are usually installed in-line and adjacent to the Vacuum Centrals to gain maximum effect.



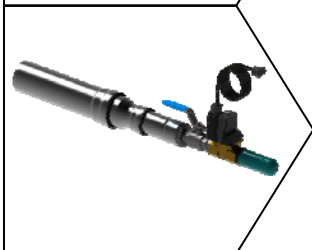
The Slop-Hopper Vacuum Interface Valve.....

A large scale vacuum interface valve which can be fitted in-line to collect grey and black water arisings from Gravity Flush Toilets and Waste Disposal Units fitted to Galley Sinks (Note!! Grease Traps are to be fitted before connecting to Galley Sinks). The Slop-Hopper is designed to handle larger scale debris without fouling – units are available in either Stainless Steel (AISI 316) or Galvanised Steel.



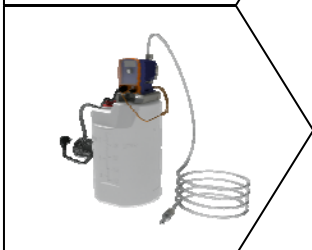
The Ragsnag Ring.....

The Ragsnag ring is strategically positioned in the toilet's line of flow to catch any objects or debris that could potentially block the vacuum mains. The barb is designed to snag prohibitive debris that can enter the system by misuse and retain it within the toilet discharge before it enters into the vacuum mainstream where it can create blockages and render large sections of the vacuum sanitary system inoperable. The barb, however, will not prevent the discharge of sewage and toilet paper.



The Air Admission Valve.....

The Air Admission Valve is a fully automated device that can be permanently installed on the extreme end of problematic lines that are prone to flooding as a result of poor vacuum quality and regular blockages. The valves are easy to install, unobtrusive, require minimal maintenance and are silenced to enable them to be fitted within accommodation areas. Models are available to suit 240 and 110volt power supplies. Connections are available to suit interfaces with DN40, DN50 and DN70 pipework.



The Antifoam Dosing Unit.....

The Antifoam Dosing unit has been designed to meter predetermined batches of Antifoam Agent to STP's and Collection Tanks in order to prevent the buildup of foam which can occur through the introduction of foaming surfactant agents in tanks that utilise air as a treatment process. The unit introduces a Miscible Biodegradable Surfactant Agent (Transvac TSHD9) to the surface of the tank contents on a "little and often" basis where it effectively emulsifies any foam build-up as and when it occurs.



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