

ACO AVT Smart100

Vacuum Toilet - Electronic

The electronic version of vacuum toilet, ACO AVT Smart100, has been designed to meet market demand from the passenger ship sector for a low-noise, “smart” toilet system capable of intelligent operation. It is the diagnostics function of the intelligent ACO AVT Smart100, however, that is expected to set the standard in passenger ship sanitation.

Operating principles

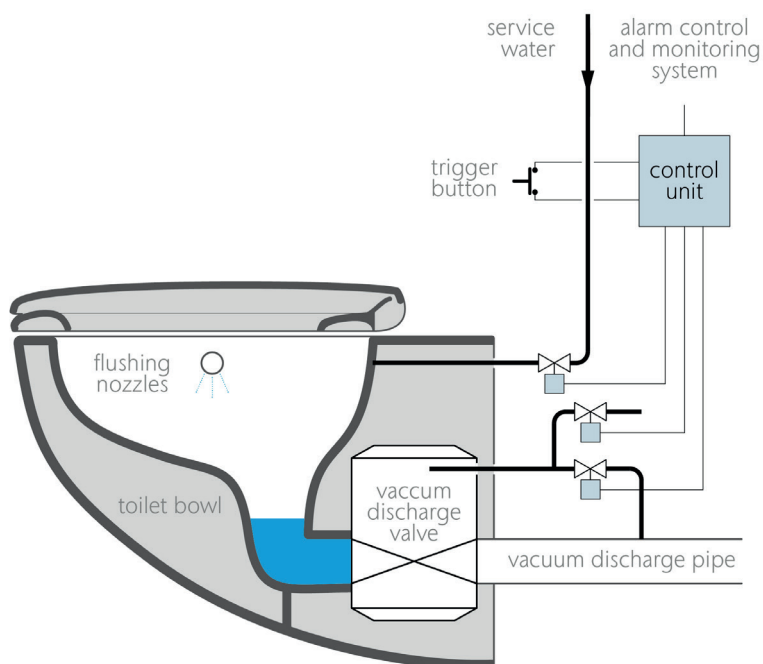
Compared to existing vacuum toilets, the ACO AVT 100 design incorporating a fully-programmable microchip in the control system, ship engineering teams can, for the first time, remotely control, monitor and maintain all the toilet's functions. Operators can adjust flushing and discharge sequences as well as monitor the condition of each toilet connected to the vessel's wastewater system. Typically, engineers would have to trace the system back to find which toilet had malfunctioned; or worse - wait for a passenger to report a problem.

The ACO AVT Smart100 range offers a completely new dimension to system maintenance and operability, allowing operators to remotely adjust the parameters and flushing cycles of each individual toilet.

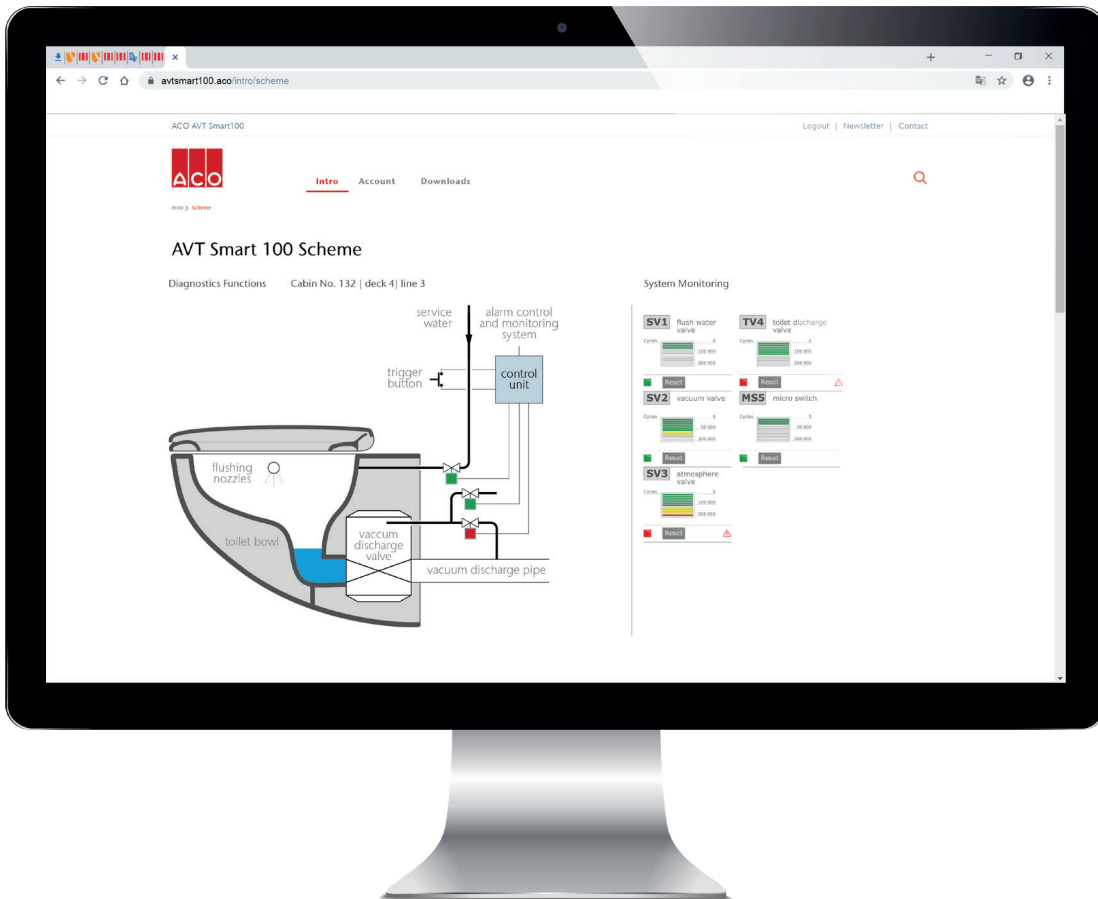
This significantly improves maintenance schedules and reduces operational costs, since the smart technology automatically alerts the operator to which toilet on the network has malfunctioned and which component has failed. Ships' crews can effect repairs immediately and usually before passengers become aware there even was a problem.



ACO AVT Smart100 - schematic



ACO AVT Smart100 - application



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