

The Abstract

Title: Odourless System

Figure that may be published with the Abstract:

- Figure 4A of drawing number MT-DWG-OS-004 rev. 2.

The Odourless System is a low noise level apparatus for installation within the toilet space for eliminating unpleasant odour in the toilet by extracting the foul smelling air (7) from within the toilet bowl (1) and discharging it to a more appropriate location (8) such as a ventilation opening, a ventilation trunk or a common WC vent. It is referred to as an Odour Extraction Unit (9) comprising of a Casing (19) which can be wall mounted and an Air Extraction Device (5) which sucks the foul smelling air from within the toilet bowl via a suction hose or pipe (4) and discharging it to the more appropriate location via a discharge hose or pipe (6). Its low noise level is achieved by having an Inner Housing (5E) and a Flexible Membrane (5F) combination to absorb noise and vibration resonance. The Odour Extraction Unit also includes a Transformer (11) (In the case of a DC motor being used) and a Power Control Unit (12).

Figure 4A of drawing number MT-DWG-OS-004 rev. 2 shows one preferred construction of the Odour Extraction Unit with a Casing (19) suitable for wall mounting and protection against ingress of water. The transformer is installed within the Air Extraction Device to increase cooling to the transformer.