

InnoLite Toilet Assembly

Next-generation aircraft toilet with innovative design and minimum weight



InnoLite
TOILET ASSEMBLY

Characteristics

The Toilet Assembly (TA) is more than just a lavatory; it is also provides toilet paper, seat covers, paper tissues, and deals with other standard lavatory waste matter. On request, the TA carries out a flush cycle as follows:

- Rinses itself with clear water obtained from the aircraft's pressurized potable water system
- Opens a path to enable the ambient differential pressure to discharge the waste matter into the tubing system
- Opens a path for the optimum time needed to enable the transportation of waste matter to the waste storage

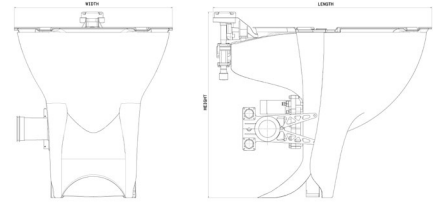
In addition, it supports potable water system, venting and drainage, control and monitoring, and system communication via CAN busses.

Benefits

- Robust design at low cost and minimum weight
- Weight reduction of 20% saves about 11 kg per long-range aircraft
- Easy and quick exchange and repairs
- No distinction between right and left hand toilet – only takes a few steps to switch from right to left hand configuration

InnoLite Toilet Assembly

Next-generation aircraft toilet with innovative design and minimum weight



Technical Data

DIMENSIONS & WEIGHT

Length [mm/inch]	Height [mm/inch]	Width [mm/inch]	Weight [kg/lb]
515/20.3 (maximum)	427/16.8 (maximum)	360/14.2 (maximum)	3.96/8.7 (maximum)

MECHANICAL INTERFACES

Mounting holes for floor mounting

Bowl rim is interface to shroud on top

ELECTRICAL INTERFACES

Power Supply	28VDC - 0.12A quiescent current standby cycle (28VDC), - 3.45A operating current during flush cycle (28VDC), - 4.5A motor inrush current (28VDC)
Connector type to aircraft	EN3646 RS 7 1415 MN and EN3646 RS 7 1419 FN

HYDRAULIC INTERFACES

Quick disconnect interface for potable water according to ABS0395 C3-08

Quick disconnect interface for vacuum supply according to ABS0395 C2-32

OPERATIONAL TIMINGS

Power-up time: ≤ 10 sec

PERFORMANCE CHARACTERISTICS

Top of bowl withstands weight of 200 kg minimum	Normal operating pressure range of potable water: 35-40 psig
Usable capacity of bowl is 10 litres minimum	Proof pressure of potable water 188 psig
Rinsing water quantity 0.17 litres maximum per flush	Freeze-resistant water valve

Want to know more about our products and their availability? Please contact us!

Diehl Aviation | Sales | Friedrichshafener Str. 5 | 82205 Gilching | Germany | Tel: +49 8105 210-0

www.diehl.com/aviation