

EVAC TRAIN



EVAC COMPACT PV VACUUM TOILET



Evac GmbH
Feldstraße 124, 22880 Wedel, Germany
Tel.: +49 4103 9168 0
Fax: +49 4103 9168 90
info@zodiacaerospace.com
www.evac-train.com, www.zodiacaerospace.com



EVAC COMPACT PV VACUUM TOILET

PROPERTIES

- Micro-processor controlled system with integrated fault detection and correction.
- Compact and space saving design for optimal integration into toilet cabins of newly built trains and also for installation as retrofit units in coach renovation and refurbishment programs. Quick and easy installation. Only approx. 0.5 liters water consumption per flush.
- Pinch valve with closed housing, optimized control program and material choice to prolong life time. Redundant security system to avoid backflush.



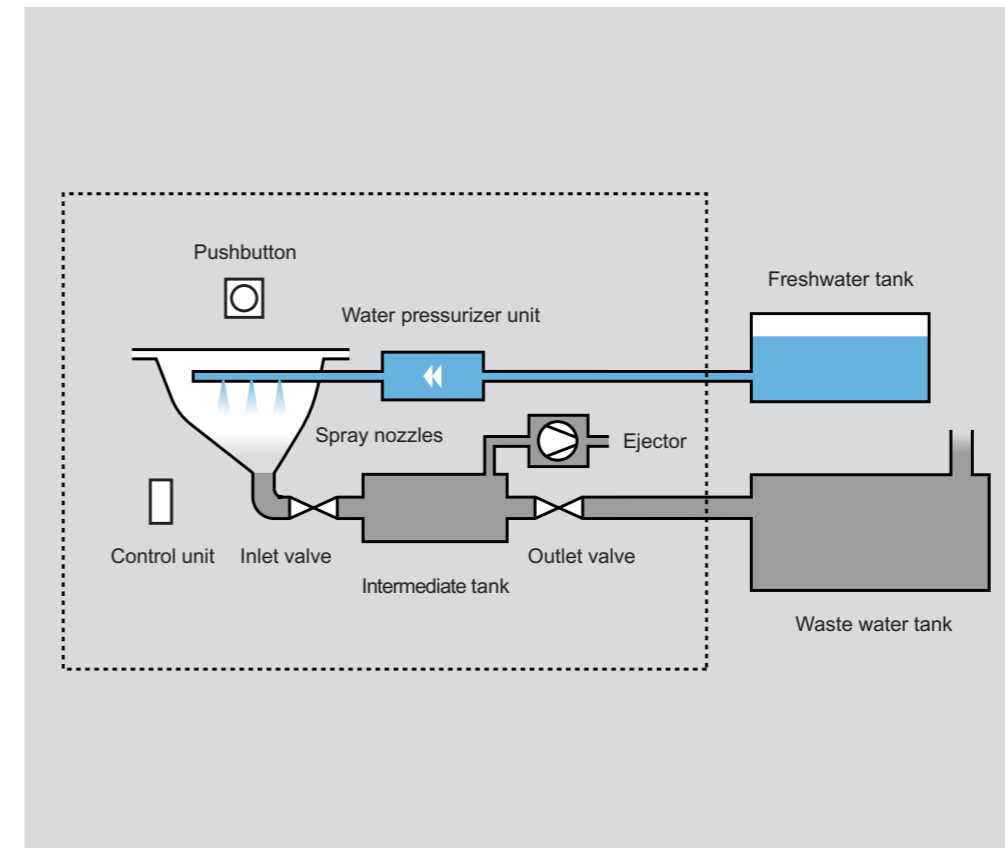
1 Control unit

2 Pinch valve

3 Water tank with integrated level sensor

HOW IT WORKS

When a flush is activated compressed air flows through the vacuum pump (ejector) and a vacuum is created in the intermediate tank. The bowl is rinsed. The inlet valve opens and the content of the bowl is discharged to the intermediate tank. As soon as the valve has closed the system creates over-pressure in the intermediate tank. The outlet valve opens and the content of the intermediate tank is transported to the waste water tank.



GENERAL DATA

MEASUREMENTS	Dimensions (mm)	
	without seat:	653 (length) x 365 (width) x 339 (height)
	Weight:	approx. 20 kg dry
MATERIAL	Intermediate tank:	Stainless steel
	Bowl assy:	Stainless steel
SUPPLIES	Compressed air:	6.2 bar, filter: 7 µm max. grain size
	Water:	0.1 – 1.5 bar, filter: 350 µm max. grain size
	Voltage:	24 V DC (+/- 30 %)
CONSUMPTION	Air:	approx. 28 liter expanded air per flush
	Water:	approx. 0.5 liter per flush
	Electric power:	3 W (stand-by) – 21 W (during flush)

