



TUnit MP

Multi-point wastewater disposal & water
filling station

VOGELSANG



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The Vogelsang TUnit MP is an integrated service station ensuring hygienic vacuum disposal of the content of toilet waste water tanks as well as refilling of water reservoir tanks onboard train carriages.

The Multi-Point version (MP) is designed as a satellite service station for the needs of medium to large-scale train care service facilities with centralised pumping unit system (VacUnit).

The robust, extra narrow cabinet holds all connections, valves, fittings and controls elements in one integrated module.

The base cabinet provides separate compartments, which safely accommodate holding the hose and couplings when not in use.

A T-shaped mast is provided as suspended hose support with integrated hose retracting device. This allows the extra simple hose handling, facilitating movement in all directions while preventing wear due to trailing hoses.

Time-controlled hygienic rinsing & automatic water-stop function as well as hygienic interlocking of water filling and effluent extraction are provided as standard features.

Advantages

- Integrated station for water filling & toilet waste water disposal
- Narrow design suitable for installation where space is limited
- Automatic hose retraction
- Maintenance friendly & ergonomic design
- Hygienic rinsing to avoid water stagnation
- Water-Stop (filling time limiter) to avoid excessive water losses
- Outdoor design with heating elements

Options

- T-mast designs for different working radii or height requirements
- Full-Port valve kit for higher water filling capacity
- Toilet tank rinse water hose kit
- Mast top luminaire
- Audible & visual signal or warning indicators
- Non-drip suction coupling EasyConnect Plus WD
- Trace heating for water supply lines provided within the base foundation
- Mounting frames for cast-in-place foundations or pre-fabricated one-piece foundation bases
- Residual water collection & draining upgrade kit eliminating the need for gravity drainage at the station
- Base-hinge adaptor for lowering of masts for floor-level maintenance
- Process automation & data acquisition options available
- Additional thermal insulation for ambient temperatures as low as -25 °C



Standard specifications

Base cabinet & mast	Welded construction, mild steel galv.
Hose retraction	Mast-integrated counterbalance system and hose guiding rolls
Working radius	7.5 m
Extraction hose kit	DN50, 3" suction coupler acc. UIC with ball valve
Capacity at -0,6bar	Up to 500 l/min
Water hose kit	DN25 water hose, 1" stainless steel UIC type claw-coupler with rotational joint
Capacity	Approx. 160 l/min (flow pressure 3 bar)
Control	Iso-panel SK II incl. control elements & indicators Voltage: 3-400 V, 50 Hz Connected load approx.: 600 W Cable grommet: max. Ø16 mm²
Interlocking	Hygienic interlocking of water hose kit / suction hose kit, electr.
Hygienic rinsing	Time controlled, to avoid water stagnation
Auto-water-stop	Filling time limiter, adjustable
Heating elements	2x 250 W 1x trace heating cable 20 W
Main dimensions LxWxH approx.	1400 x 210 x 5200 mm
Weight approx.	450 kg
Ambient Temperatures	-20 to +40 °C
Ambient conditions	Moderate