



ENABLES FAST CLEARANCE

**MobileUnit - Mobile solutions
for passenger train supply**

VOGELSANG – LEADING IN TECHNOLOGY

V/OGELSANG



Overview MobileUnit



MobileUnit M10 Eco WD

- Disposal unit on hand cart
- VX100 - 90Q rotary lobe pump and 6,0 kW petrol engine
- Max. capacity up to 330 l/min
- Weight approx. 220 kg



MobileUnit M10 Easy WD

- Disposal unit on hand cart
- VX100 - 45Q rotary lobe pump and 2,2 kW AC motor (230 V)
- Max. capacity up to 210 l/min

Alternative

- VX100 - 90Q rotary lobe pump and 4,0 kW AC motor (400 V)
- Max. capacity up to 380 l/min
- Weight approx. 185 kg



MobileUnit M20 WD T-200

- Disposal unit on a hand pulled trailer
- VX100 - 45Q rotary lobe pump and 2,2 kW AC motor
- 200 l GRP transport tank
- Mains connection 230 V, alternative 400 V



MobileUnit M WD (Compact)

- Skid mounted tank assembly for mobile wastewater disposal
- VX100 - 90Q rotary lobe pump and 3.0 kW AC motor
- Optionally with the following transport tanks (GRP): 1,000 l | 1,500 l | 2,000 l
- Voltage supply via vehicle battery of the carrier system or external mains connection



MobileUnit M WDR (Standard)

- Skid mounted tank assembly for mobile wastewater disposal and tank rinsing
- VX100 - 90Q rotary lobe pump and 3.0 kW AC motor
- Optionally with the following transport tanks (GRP): 1,000 l | 1,500 l | 2,000 l | 2,500 l
- Voltage supply via vehicle battery of the carrier system or external mains connection



MobileUnit M WDR (Compact)

- Skid mounted tank assembly for mobile wastewater disposal
- VX100 - 90Q rotary lobe pump and 3.0 kW AC motor
- Optionally with the following transport tanks (GRP): 1,000 l | 1,500 l | 2,000 l
- Voltage supply via vehicle battery of the carrier system or external mains connection



MobileUnit M30

- Mounting system (MobileUnit M) on an industrial trailer
- 2-axle turntable steering
- Pneumatic tires



MobileUnit M35

- Mounting system (MobileUnit M) with add-on chassis
- 2-axle turntable steering
- Pneumatic tires



MobileUnit M40

- Mounting system (MobileUnit M) on a self-propelled trailer



MobileUnit M20 WD T-600

- Disposal unit on a hand pulled trailer
- VX100 - 45Q rotary lobe pump and 2,2 kW AC motor
- 600 l PE-HD transport tank
- Mains connection 230 V alternative 400 V



MobileUnit M Eco WD

- Skid mounted tank assembly for mobile wastewater disposal
- VX100 - 90Q rotary lobe pump and 6,0 kW petrol engine
- 1,000 l GRP transport tank



MobileUnit M WD (Standard)

- Skid mounted tank assembly for mobile wastewater disposal
- VX100 - 90Q rotary lobe pump and 3,0 kW AC motor
- Optionally with the following transport tanks (GRP): 1,000 l | 1,500 l | 2,000 l | 2,500 l
- Voltage supply via vehicle battery of the carrier system or external mains connection



MobileUnit M WDRC

- Skid mounted tank assembly for mobile wastewater disposal, tank rinsing and descaling
- VX100 - 90Q rotary lobe pump and 3.0kW AC motor
- Optionally with the following transport tanks (GRP): 1,000 l | 1,500 l | 2,000 l | 2,500 l
- Voltage supply via vehicle battery of the carrier system or external mains connection
- Chemical cleaning of the WC collection container with e.g. 10 % citric acid



MobileUnit M WS

- Skid mounted tank assembly for mobile drinking water supply
- Stainless steel centrifugal pump 0.55 kW 230 V
- Optionally with the following transport tanks: 1,000 l (PE or stainless steel) | 2,000 l (stainless steel)
- Voltage supply via vehicle battery of the carrier system or external mains connection




MobileUnit M50

- Mounting system (MobileUnit M) on a self-propelled vehicle

Abbreviations

WD	Wastewater Disposal
WDR	Wastewater Disposal & Rinse
WDRC	Wastewater Disposal, Rinse & Chemical Cleansing
WS	Water Supply

Overview of transport platforms

	Type	 MobileUnit M30			
	Control options	Eco	Easy	Plus	Pro
 MobileUnit M (Standard)	WD	●	●	●	●
	WDR	-	-	●	●
	WDRC	-	-	●	●
	WS	-	-	-	-
 MobileUnit M (Compact)	WD	-	●	●	●
	WDR	-	-	●	●
	WDRC	-	-	●	●
	WS	-	-	●	●
Transport platform		 Industrial trailer			

● Standard - Not available

Abbreviations

- WD Wastewater Disposal
- WDR Wastewater Disposal & Rinse
- WDRC Wastewater Disposal, Rinse & Chemical Cleansing
- WS Water Supply



MobileUnit M35



MobileUnit M40



MobileUnit M50

Eco	Easy	Plus	Pro	Eco	Easy	Plus	Pro	Eco	Easy	Plus	Pro
-	●	●	●	●	●	●	●	●	●	●	●
-	-	●	●	-	-	●	●	-	-	●	●
-	-	●	●	-	-	●	●	-	-	●	●
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	●	●	●	-	●	●	●
-	-	-	-	-	-	●	●	-	-	●	●
-	-	-	-	-	-	●	●	-	-	●	●
-	-	-	-	-	-	●	●	-	-	●	●



Add-on chassis



Self-propelled trailer



Self-propelled vehicle

MobileUnit M10 ECO WD

Disposal unit on hand cart with petrol engine

The MobileUnit M10 Eco WD is a mobile disposal unit that enables the emptying of sanitary wastewater collection reservoirs on passenger trains.

Equipped with a robust Vogelsang rotary lobe pump of the VX series and petrol engine drive, the mobile disposal unit is available for flexible use where no electrical mains connection is available. The self-priming VX pump is insensitive to dry-running and foreign material and pumps the medium extracted from the WC collection tanks directly to the desired discharge point.

Mounted on a 1-axle hand cart with pneumatic tires, the unit is particularly maneuverable and can be easily transported to the job site. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use. Furthermore, it can also be used in the event of an emergency.



Advantages

- For flexible and off-grid use
- High mobility thanks to hand cart with pneumatic tires
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks

SPECIFICATIONS

Pump unit	VX100 - 90Q
Max. capacity	330 l/min
Pump speed	560 1/min
Vacuum pressure range	0 up to 0.60 bar
Differential pressure	Max. 3.0 bar
Pump drive	Petrol engine 6.0 kW Gearbox i=2 Pull starter 5.3 l Fuel tank Belt drive i=3.2
Transport platform	M10 hand cart Steel hot-dip galvanized Pneumatic tires
Main dimensions approx.	1,000 mm x 770 mm x 1,250 mm
Weight approx.	220 kg

OPTIONS

Working radius	5 m 10 m
Suction hose set	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	Light WD
	Eco WD

MobileUnit M10 EASY WD

Disposal unit on hand cart with 230 V electric motor

The MobileUnit M10 Easy WD is a mobile disposal unit that enables the emptying of sanitary wastewater collection reservoirs from passenger trains, buses and boats.

Equipped with a robust Vogelsang rotary lobe pump of the VX series and an electric motor, the mobile disposal unit is available for flexible use. The self-priming VX pump is insensitive to dry-running and foreign material and pumps the medium extracted from the wastewater tanks directly to the desired discharge point.

Mounted on a 1-axle hand cart with pneumatic tires, the unit is particularly maneuverable and can be easily transported to the job site. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.



Advantages

- Flexible in use
- High mobility thanks to hand cart with pneumatic tires
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks

SPECIFICATIONS

Pump unit	VX100 - 45Q
Max. capacity	210 l/min
Pump speed	736 1/min
Vacuum pressure range	0 up to 0.60 bar
Differential pressure	Max. 2.0 bar
Pump drive	AC motor 2.2 kW 1 - 230 V 50 Hz IE3
Transport platform	M10 hand cart Steel hot-dip galvanized Pneumatic tires
Pump control switch box IP65	Operation via pushbutton Operating hours counter
Main dimensions approx.	1,000 mm x 690 mm x 1,230 mm
Weight approx.	160 kg

OPTIONS

Working radius	5 m 10 m
Suction hose set	Plastic spiral hose PVC gray DN 40
BasicConnect suction coupling	Light WD Eco WD
Power supply*: Mains connection 1 - 230 V 50 Hz	Two-pin grounded plug 3 x 16 A IP67
Two-pin grounded extension cable 3 x 16 A IP68	5 m 10 m 20 m 30 m

* Alternatively also available with a VX100 - 90Q rotary lobe pump and 4.0 kW electric motor (400 V).

MobileUnit M20-WD T-200

Disposal unit (230 V) on a hand pulled trailer with 200 l tank

The MobileUnit M20 WD T-200 is a disposal trailer that enables the emptying of sanitary wastewater collection reservoirs from passenger trains, buses and boats.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, an electric motor and a transport tank for wastewater, it is available for flexible use.

Mounted on a 2-axle hand pulled trailer with turntable steering and pneumatic tires, the disposal unit is particularly maneuverable and can be easily transported to the job site. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The self-priming VX pump is insensitive to dry-running and foreign materials, and by changing the direction of rotation, the pump can also be used to empty the transport container.

The compact unit is ideal for sporadic disposal use.



Advantages

- Flexible in use
- High mobility due to hand pulled trailer
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks

SPECIFICATIONS

MobileUnit M20-WD T-200	Easy	Plus	Feature
Pump unit	●	●	VX100 - 45Q
Max. capacity	●	●	210 l/min
Pump speed	●	●	735 1/min
Vacuum pressure range	●	●	0 up to 0.60 bar
Differential pressure	●	●	Max. 2.0 bar
Pump drive	●	●	AC motor 2.2 kW 1 - 230 V 50 Hz IE3
Pump control switch box IP65	●	-	Operation via pushbutton Operating hours counter
Control compact enclosures IP54	-	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Power supply*: Mains connection 1 - 230 V 50 Hz	●	●	Attachment plug Two-pin grounded plug 3x16 A IP67
Transport platform	●	●	M20 hand pulled trailer welded construction Steel painted 1-axle turntable steering Automatic parking brake Pneumatic tires
Transport tank	●	●	200 l GRP
Tank emptying	●	●	Via the pump
Pressure monitoring	-	●	Pressure switch
Main dimensions approx.	1,630x915x1,640		L x W x H (in mm)
Weight approx.	300		Tare weight (in kg)

Options	Easy	Plus	Feature
Working radius	○	○	5 m 10 m
Suction hose set	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	○	○	Light WD
	○	○	Eco WD
Exhaust air treatment	○	○	Activated carbon filter
Emergency stop pushbutton	-	○	Mushroom shape with pull release
AC-drive phase monitoring	-	○	Power-on interlock, signal lamp
	-	○	Automatic phase reversing switches
Level monitoring	-	○	Float switch
Two-pin grounded extension cable 3x16 A IP68	○	○	5 m 10 m 20 m 30 m

● Standard ○ Optional - Not available

* Alternatively also available with a VX100 - 45Q rotary lobe pump and 2.2 kW electric motor (400 V).

MobileUnit M20-WD T-600

Disposal unit (230 V) on a hand pulled trailer with 600 l tank

The MobileUnit M20 WD T-600 is a disposal trailer that enables the emptying of sanitary wastewater collection reservoirs from passenger trains, buses and boats.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, an electric motor and a transport tank for wastewater, it is available for flexible use.

Mounted on a 2-axle hand pulled trailer with 1-axle turntable steering and pneumatic tires, the disposal unit is particularly maneuverable and can be easily transported to the job site. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The self-priming VX pump is insensitive to dry running and foreign material and by changing the direction of rotation, the pump can also be used to empty the transport container.

The compact unit is ideal for sporadic disposal use.



Advantages

- Flexible in use
- High mobility due to hand pulled trailer
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks

SPECIFICATIONS

MobileUnit M20-WD T-600	Easy	Plus	Feature
Pump unit	●	●	VX100 - 45Q
Max. capacity	●	●	210 l/min
Pump speed	●	●	735 1/min
Vacuum pressure range	●	●	0 up to 0.60 bar
Differential pressure	●	●	Max. 2.0 bar
Pump drive	●	●	AC motor 2.2 kW 1 - 230 V 50 Hz IE3
Pump control switch box IP65	●	-	Operation via pushbutton Operating hours counter
Control compact enclosures IP54	-	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Power supply*: Mains connection 1 - 230 V 50 Hz	●	●	Attachment plug Two-pin grounded 3 x 16 A IP67
Transport platform	●	●	M20 hand pulled trailer welded construction Steel painted 1-axle turntable steering Automatic parking brake Pneumatic tires
Transport tank	●	●	600 l GRP
Tank emptying	●	●	Via the pump
Pressure monitoring	-	●	Pressure switch
Main dimensions approx.	2,085 x 940 x 1,480		L x W x H (in mm)
Weight approx.	325		Tare weight (in kg)

Options	Easy	Plus	Feature
Working radius	○	○	5 m 10 m
Suction hose set	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	○	○	Light WD
	○	○	Eco WD
Exhaust air treatment	○	○	Activated carbon filter
Emergency stop pushbutton	-	○	Mushroom shape with pull release
AC-drive phase monitoring	-	○	Power-on interlock, signal lamp
	-	○	Automatic phase reversing switches
Level monitoring	-	○	Float switch
Two-pin grounded extension cable 3 x 16 A IP68	○	○	5 m 10 m 20 m 30 m

● Standard ○ Optional - Not available

* Alternatively also available with a VX100 - 45Q rotary lobe pump and 2.2 kW electric motor (400 V).

MobileUnit M ECO WD

Skid mounted tank assembly
for mobile wastewater disposal



The MobileUnit M Eco WD is a disposal assembly with tank and pump unit for various carrier vehicles. This system enables the emptying of sanitary wastewater collection reservoirs of passenger trains, buses and boats.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, a petrol engine drive and a transport tank for wastewater, it is available for flexible use where no electrical mains connection is available.

Thanks to its skid base, the disposal system is available for universal mounting on an industrial trailer or a self-propelled vehicle and thus transported to the site of operation. Optional suction and pressure hose sets can be carried on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.



Advantages

- Flexible in use
- Universally mountable
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks
- Powerful combustion engine drive

SPECIFICATIONS

Pump unit	VX100 - 90Q
Max. capacity	330l/min
Pump speed	560 1/min
Vacuum pressure range	0 up to 0.60 bar
Differential pressure	Max. 3.0 bar
Pump drive	Petrol engine 6.0 kW Gearbox i= 2 Pull starter 5.3 l Fuel tank Belt drive i=3.2
Tank capacity	1,000 l
Tank emptying	Via the pump
Skid base	Welded construction 1.0038 steel Hot-dip galvanized
Main dimensions approx.	2,220 mm x 1,190 mm x 1,080 mm
Weight approx.	560 kg

OPTIONS

Working radius	5 m 10 m
Suction hose set	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	Light WD
	Eco WD
Exhaust air treatment	Activated carbon filter
Tank emptying	Gravity drainage

MobileUnit M WD (Standard)

Skid mounted tank assembly for mobile wastewater disposal



The MobileUnit M WD is a skid mounted assembly with tank and pump unit for various carrier vehicles. This system enables the emptying of sanitary wastewater collection reservoirs on passenger trains, buses and boats.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, an electric motor and a transport tank for wastewater, it is available for flexible use.

Thanks to its base console, the disposal system is available for universal mounting on an industrial trailer or a self-propelled vehicle and easy transport to the site of operation. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.

Advantages

- Flexible in use
- Universally mountable
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks

SPECIFICATIONS

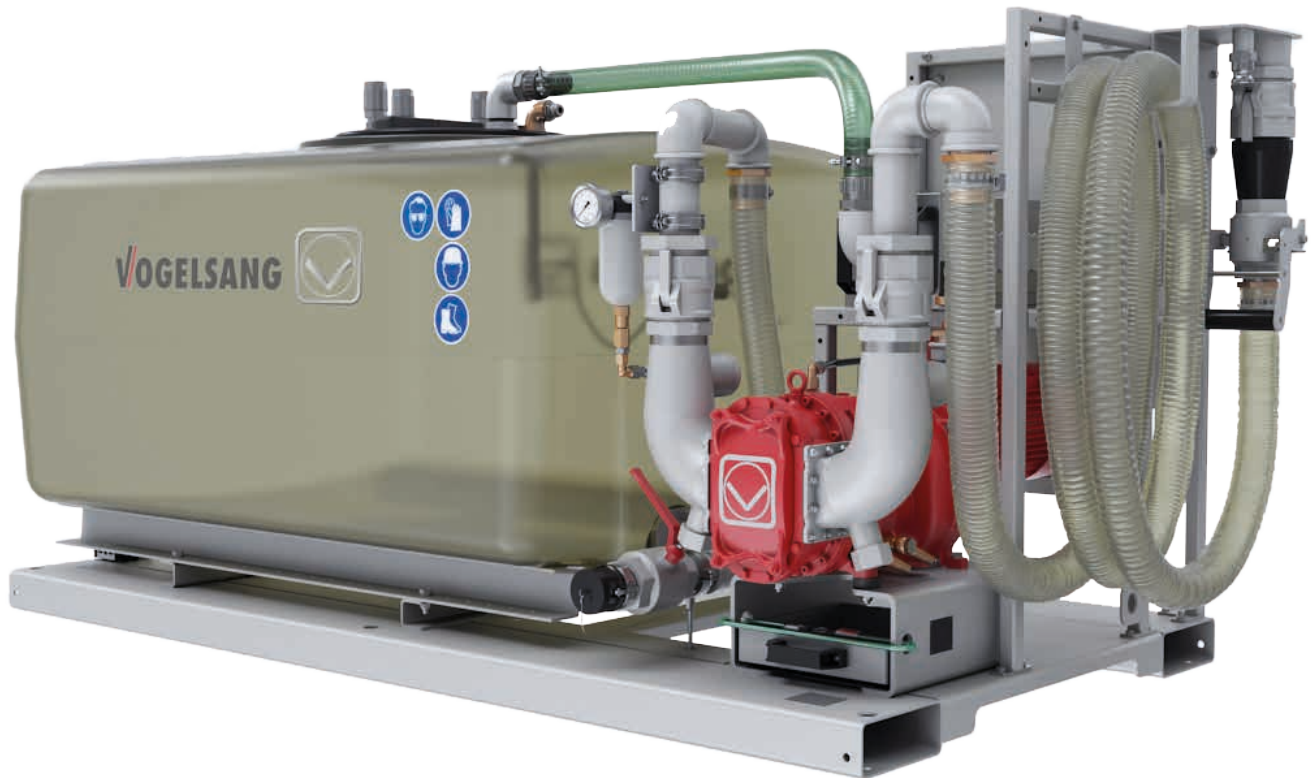
MobileUnit M WD (Standard)	Easy	Plus	Pro	Feature
Pump unit	●	●	●	VX100 - 90Q 3 kW
Max. capacity	●	●	●	400 l/min
Pump speed	●	●	●	680 1/min
Vacuum pressure range	●	●	●	0 up to 0.60 bar
Differential pressure	●	●	●	Max. 2.0 bar
Skid base	●	●	●	Welded construction 1.0038 steel Hot-dip galvanized
Pump control switch box IP65	●	-	-	Operation via pushbutton Operating hours counter
Control compact enclosures IP54	-	●	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Transport tank T-1000 T-1500 T-2000 T-2500	●	●	●	1,000 l 1,500 l 2,000 l 2,500 l
Tank emptying	●	●	●	Via the pump
Pressure monitoring	-	●	●	Pressure switch
Main dimensions approx.	See dimension drawing			L x W x H (in mm)
Weight approx.				Tare weight (in kg)

Options	Easy	Plus	Pro	Feature
Working radius	○	○	○	5 m 10 m
Suction hose set	○	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	○	○	○	Light WD
	○	○	○	Eco WD
Exhaust air treatment	○	○	○	Activated carbon filter
Tank emptying	○	○	○	Gravity drainage
Emergency stop pushbutton	-	○	○	Mushroom shape with pull release
AC-drive phase monitoring	-	○	○	Power-on interlock, signal lamp
	-	○	○	Automatic phase reversing switch
Level monitoring	○	○	○	Visual level display on the tank
	-	○	○	Float switch
	-	○	○	Digital tank filling level display
Process Management	-	-	○	Operating Data Acquisition Remote Access & Remote Maintenance User Management
Quantity measurement	-	-	○	Wastewater
Operation HMI	-	-	○	Portable HMI terminal for plant operation, control and monitoring
Power supply: Vehicle battery 48 V DC Vehicle battery 80 V DC	-	○	○	DC connection cable 2-pole Plug LV160 250 A
Mains connection 3 - 400 V 50 Hz	○	○	○	AC attachment plug CEE 5x 16 A IP44
Heating element	-	○	○	Finned heater 250 W (Tmin. -20°C)
Work area lighting	-	○	○	LED work light 42 W IP67
Cabinet	○	○	○	Insulated weather and soundproof enclosure

● Standard ○ Optional - Not available

MobileUnit M WD (Compact)

Skid mounted tank assembly for mobile wastewater disposal



The MobileUnit M WD is a disposal assembly with tank and pump unit for various carrier vehicles. This system enables the emptying of sanitary wastewater collection reservoirs of passenger trains, buses and boats.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, an electric motor and a transport tank for wastewater, it is available for flexible use.

Thanks to its base console, the disposal system is available for universal mounting on an industrial trailer or a self-propelled vehicle and easy transport to the site of operation. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.

Advantages

- Flexible in use
- Universally mountable
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks

SPECIFICATIONS

MobileUnit M WD (Compact)	Easy	Plus	Pro	Feature
Pump unit	●	●	●	VX100 - 90Q 3 kW
Max. capacity	●	●	●	400 l/min
Pump speed	●	●	●	680 1/min
Vacuum pressure range	●	●	●	0 up to 0.60 bar
Differential pressure	●	●	●	Max. 2.0 bar
Skid base	●	●	●	Welded construction 1.0038 steel Hot-dip galvanized
Pump control switch box IP65	●	-	-	Operation via pushbutton Operating hours counter
Control compact enclosures IP54	-	●	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Transport tank T-1000 T-1500 T-2000	●	●	●	1,000 l 1,500 l 2,000 l
Tank emptying	●	●	●	Via the pump
Pressure monitoring	-	●	●	Pressure switch
Main dimensions approx.	See dimension drawing			L x W x H (in mm)
Weight approx.				Tare weight (in kg)

Options	Easy	Plus	Pro	Feature
Working radius	○	○	○	5 m 10 m
Suction hose set	○	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	○	○	○	Light WD
	○	○	○	Eco WD
Exhaust air treatment	○	○	○	Activated carbon filter
Tank emptying	○	○	○	Gravity drainage
Emergency stop pushbutton	-	○	○	Mushroom shape with pull release
AC-drive phase monitoring	-	○	○	Power-on interlock, signal lamp
	-	○	○	Automatic phase reversing switches
Level monitoring	○	○	○	Visual level display on the tank
	-	○	○	Float switch
	-	○	○	Digital tank filling level display
Process Management	-	-	○	Operating Data Acquisition Remote Access & Remote Maintenance User Management
Quantity measurement	-	-	○	Wastewater
Operation HMI	-	-	○	Portable HMI terminal for plant operation, control and monitoring
Power supply: Vehicle battery 48 V DC Vehicle battery 80 V DC	-	○	○	DC connection cable 2-pole Plug LV160 250 A
Power supply: Mains connection 3 - 400 V 50 Hz	○	○	○	AC attachment plug CEE 5x16 A IP44
Heating element	-	-	-	Finned heater 250 W (Tmin. -20°C)
Work area lighting	-	○	○	LED work light 42 W IP67
Cabinet	-	-	-	Insulated weather and soundproof enclosure

● Standard

○ Optional

- Not available

MobileUnit M WDR (Standard)

Skid mounted tank assembly for mobile wastewater disposal and tank rinsing



The MobileUnit M WDR is a disposal mounting system with tank and pump unit for various carrier vehicles.

This system enables the emptying of sanitary wastewater collection reservoirs of passenger trains, buses and boats. In addition, the wastewater tank can be cleaned via a tank flushing device with centrifugal pump.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, an electric motor and a transport tank for wastewater and flushing water, it is available for flexible use.

The disposal system is available for universal mounting on an industrial trailer or self-propelled unit and easy transport to the site of operation. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.

Advantages

- Flexible in use
- Universally mountable
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks
- Flushing hose set for wastewater tanks

SPECIFICATIONS

MobileUnit M WDR (Standard)	Plus	Pro	Feature
Pump unit	●	●	VX100 - 90Q 3 kW
Max. capacity	●	●	400 l/min
Pump speed	●	●	680 1/min
Vacuum pressure range	●	●	0 up to 0.60 bar
Differential pressure	●	●	Max. 2.0 bar
Skid base	●	●	Welded construction 1.0038 steel Hot-dip galvanized
Control compact enclosures IP54	●	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Centrifugal pump	●	●	1 - 230 V 50 Hz 0.55 kW
Max. capacity	●	●	150 l/min
Differential pressure	●	●	Max. 1.4 bar
Transport tank T-1000 T-1500 T-2000 T-2500	●	●	1,000 l (700 l/300 l) GRP 1,500 l (1,000 l/500 l) GRP 2,000 l (1,500 l/500 l) GRP 2,500 l (2,000 l/500 l) GRP
Tank emptying	●	●	Via the pump
Pressure monitoring	●	●	Pressure switch
Main dimensions approx.	See dimension drawing		L x W x H (in mm)
Weight approx.			Tare weight (in kg)

Options	Plus	Pro	Feature
Working radius	○	○	5 m 10 m
Suction hose set	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	○	○	Light WD
	○	○	Eco WD
Flushing hose set	○	○	Plastic spiral hose PVC DN 25 with Camlock coupling hose connection 1 inch M part
Exhaust air treatment	○	○	Activated carbon filter
Tank emptying	○	○	Gravity drainage
Level monitoring	○	○	Float switch
	○	○	Digital tank filling level display
Process Management	-	○	Operating Data Acquisition Remote Access & Remote Maintenance User Management
AC-drive phase (only monitoring)	○	○	Power-on interlock, signal lamp
	○	○	Automatic phase reversing switches
Emergency stop pushbutton	○	○	Mushroom shape with pull release
Quantity measurement	-	○	Wastewater and flushing water
Operation HMI	-	○	Portable HMI terminal for plant operation, control and monitoring
Power supply: Vehicle battery 48 V DC Vehicle battery 80 V DC	○	○	DC connection cable 2-pole Plug LV160 250 A
Power supply: Mains connection 3 - 400 V 50 Hz	○	○	AC attachment plug CEE 5x16 A IP44
Heating element	○	○	Finned heater 250 W (Tmin. -20°C)
Work area lighting	○	○	LED work light 42 W IP67
Cabinet	○	○	Insulated weather and soundproof enclosure

● Standard ○ Optional - Not available

MobileUnit M WDR (Compact)

Skid mounted tank assembly for mobile wastewater disposal and tank rinsing



The MobileUnit M WDR is a disposal mounting system with tank and pump unit for various carrier vehicles.

This system enables the emptying of sanitary wastewater collection reservoirs of passenger trains, buses and boats. In addition, the wastewater tank can be cleaned via a tank flushing device with centrifugal pump.

Equipped with a robust Vogelsang rotary lobe pump of the VX series, an electric motor and a transport tank for wastewater and flushing water, it is available for flexible use.

The disposal system is available for universal mounting on an industrial trailer or self-propelled unit and easy transport to the site of operation. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.

Advantages

- Flexible in use
- Universally mountable
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying of wastewater tanks
- Flushing hose set for wastewater tanks

SPECIFICATIONS

MobileUnit M WDR (Compact)	Plus	Pro	Feature
Pump unit	●	●	VX100 - 90Q 3 kW
Max. capacity	●	●	400 l/min
Pump speed	●	●	680 1/min
Vacuum pressure range	●	●	0 up to 0.60 bar
Differential pressure	●	●	Max. 2.0 bar
Skid base	●	●	Welded construction 1.0038 steel Hot-dip galvanized
Control compact enclosures IP54	●	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Centrifugal pump	●	●	1 - 230 V 50 Hz 0.55 kW
Max. capacity	●	●	150 l/min
Differential pressure	●	●	Max. 1.4 bar
Transport tank T-1000 T-1500 T-2000	●	●	1,000 l (700 l/300 l) GRP 1,500 l (1,000 l/500 l) GRP 2,000 l (1,500 l/500 l) GRP
Tank emptying	●	●	Via the pump
Pressure monitoring	●	●	Pressure switch
Main dimensions approx.	See dimensions drawing		L x B x H (in mm)
Weight approx.			Tare weight (in kg)

Options	Plus	Pro	Feature
Working radius	○	○	5 m 10 m
Suction hose set	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect WD suction coupling	○	○	Light WD
	○	○	Eco WD
Flushing hose set	○	○	Plastic spiral hose PVC DN 25 with Camlock coupling hose connection 1 inch M part
Exhaust air treatment	○	○	Activated carbon filter
Tank emptying	○	○	Gravity drainage
Level monitoring	○	○	Float switch
	○	○	Digital tank filling level display
Process Management	-	○	Operating Data Acquisition Remote Access & Remote Maintenance User Management
AC-drive phase monitoring	○	○	Power-on interlock, signal lamp
	○	○	Automatic phase reversing switches
Emergency stop pushbutton	○	○	Mushroom shape with pull release
Quantity measurement	-	○	Wastewater and flushing water
Operation HMI	-	○	Portable HMI terminal for plant operation, control and monitoring
Power supply: Vehicle battery 48 V DC Vehicle battery 80 V DC	○	○	DC connection cable 2-pole Plug LV160 250 A
Power supply: Mains connection 3 - 400 V 50 Hz	○	○	AC attachment plug CEE 5x16 A IP44
Heating element	○	○	Finned heater 250 W (Tmin. -20°C)
Work area lighting	○	○	LED work light 42 W IP67
Cabinet	-	-	Insulated weather and soundproof enclosure

● Standard

○ Optional

- Not available

MobileUnit M WDRC

Skid mounted tank assembly for mobile wastewater disposal, tank rinsing and descaling



The MobileUnit M WDRC is a disposal mounting system with tank and pump unit for various carrier vehicles.

This system enables the emptying of the sanitary wastewater collection reservoirs of passenger trains and an additional chemical cleaning (descaling) with 10% citric acid (other media on request).

Equipped with a robust and acid-resistant Vogelsang rotary lobe pump of the VX series, a centrifugal rinsing pump and a transport tank with separate compartments for wastewater and flushing water, it is available for flexible use.

Piping and all components in contact with the medium are made of stainless steel or acid-resistant material. A base console allows the waste disposal system to be universally mounted on, for example, an industrial trailer or a self-propelled vehicle, and then easily transported to the site of operation. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic disposal use.

Advantages

- Flexible in use
- Universally mountable
- Robust and easy to maintain Vogelsang pump unit
- Uncomplicated emptying, flushing and descaling of wastewater tanks
- Flushing hose set for wastewater tanks

SPECIFICATIONS

MobileUnit M WDRC	Plus	Pro	Feature
Pump unit	●	●	VX100 - 90Q 3 kW
Max. capacity	●	●	400 l/min
Pump speed	●	●	680 1/min
Vacuum pressure range	●	●	0 up to 0.60 bar
Differential pressure	●	●	Max. 2.0 bar
Skid base	●	●	Welded construction 1.0038 steel Hot-dip
Control compact enclosures IP54	●	●	Operation via pushbutton Suction/pressing switching function Operating hours counter
Centrifugal pump	●	●	1 - 230 V 50 Hz 0.55 kW
Max. capacity	●	●	150 l/min
Differential pressure	●	●	Max. 1.4 bar
Twin-transport tank T-1000 T-1500 T-2000 T-2500	●	●	1,000 l (700 l/300 l) GRP 1,500 l (1,000 l/500 l) GRP 2,000 l (1,500 l/500 l) GRP 2,500 l (2,000 l/500 l) GRP
Tank emptying	●	●	Via the pump
Pressure monitoring	●	●	Pressure switch
Main dimensions approx.	See dimensions drawing		L x W x H (in mm)
Weight approx.			Tare weight (in kg)

Options	Plus	Pro	Feature
Working radius	○	○	5 m 10 m
Suction hose set	○	○	Plastic spiral hose PVC gray DN 50
BasicConnect suction coupling	○	○	Light WD
	○	○	Eco WD
Flushing hose set	○	○	Plastic spiral hose PVC DN 25 with Camlock coupling hose connection 1 inch M part
Exhaust air treatment	○	○	Activated carbon filter
Tank emptying	○	○	Gravity drainage
Level monitoring	○	○	Float switch
	○	○	Digital tank filling level display
Process Management	-	○	Operating Data Acquisition Remote Access & Remote Maintenance User Management
AC-drive phase monitoring	○	○	Power-on interlock, signal lamp
	○	○	Automatic phase reversing switches
Emergency stop pushbutton	○	○	Mushroom shape with pull release
Flow monitoring & control	-	○	Wastewater and flushing water
Operation HMI	-	○	Portable HMI terminal for plant operation, control and monitoring
Power supply: Vehicle battery 48 V DC Vehicle battery 80 V DC	○	○	DC connection cable 2-pole Plug LV160 250 A
Power supply: Mains connection 3 - 400 V 50 Hz	○	○	AC attachment plug CEE 5x16 A IP44
Heating element	○	○	Finned heater 250 W (Tmin. -20°C)
Work area lighting	○	○	LED work light 42 W IP67
Cabinet	○	○	Insulated weather and soundproof enclosure

● Standard

○ Optional

- Not available

MobileUnit M WS

Skid mounted tank assembly for mobile water supply



The MobileUnit M WS is an assembly for water for various carrier vehicles that enables the filling of the water reservoir tanks on, for example, passenger trains.

A centrifugal pump and a transport tank for drinking water allow flexible use of the unit.

Equipped with an integrated tank flushing device, a clean transport tank is guaranteed.

Thanks to its base console, the mounting system is available for universal mounting on an industrial trailer or self-propelled unit and easy transport to the site of operation. Optional suction and pressure hose sets can be carried along on the integrated hose rack.

The compact unit is ideal for sporadic supply use.

Advantages

- Universally mountable
- Uncomplicated filling of water storage tanks
- Simple tank cleaning
- KTW/DVGW, KiWA approval

SPECIFICATIONS

MobileUnit M WS	Plus	Pro	Feature
Max. capacity	●	●	150 l/min
Differential pressure	●	●	1,4 bar
Skid base	●	●	Welded construction 1.0038 steel Hot-dip
Control compact enclosures IP54	●	●	Operation via pushbutton Operating hours counter
Centrifugal pump	●	●	1 - 230 V 50 Hz 0.55 kW
Transport tank T-1000 T-2000	●	●	1,000 l, PE 1,000 l, stainless steel 2,000 l, stainless steel
Level monitoring	●	●	Float switch
Tank filling connection	●	●	Camlock coupling 1 inch V part
Main dimensions approx.	See dimension drawing		LxWxH (in mm)
Weight approx.			Tare weight (in kg)

Options	Plus	Pro	Feature
Working radius	○	○	5 m 10 m
Water filling hose set	○	○	Cold water hose EPDM DN 25
Hose reel	○	○	Spring-loaded
EasyConnect WS water filling coupling	○	○	Eco WS
	○	○	Plus WS
	○	○	Pro WS
Tank disinfection	○	○	Automatic rinsing and circulation system
Process Management	-	○	Operating Data Acquisition Remote Access & Remote Maintenance User Management
Operation HMI	-	○	Portable HMI terminal for plant operation, control and monitoring
Power supply: Vehicle battery 48 V DC Vehicle battery 80 V DC	○	○	DC connection cable 2-pole Plug LV160 250 A
Mains connection 3-400 V 50 Hz	○	○	AC attachment plug CEE 5x16 A IP44
Heating element	-	-	Finned heater 250 W (Tmin. -20°C)
Work area lighting	○	○	LED work light 42 W IP67
Cabinet	-	-	Insulated weather and soundproof enclosure

● Standard ○ Optional - Not available

MobileUnit M30

Mounting system (MobileUnit M) on an industrial trailer

- Industrial trailer for mounting system M with tank and pump unit. Mounting on loading area of the carrier system
- Trailer with 2-axle turntable steering
- Drawbar with towing eye for maneuvering the unit by means of the customer's towing vehicle
- Use in factory traffic



MobileUnit M35

Mounting system (MobileUnit M) with add-on chassis

- Attachable chassis with 2-axis turntable steering
- Modular chassis to accommodate a MobileUnit system with tank and pump unit
- Detachable drawbar with towing eye for maneuvering the unit by means of the customer's towing vehicle
- Use in factory traffic



MobileUnit M40

Mounting system (MobileUnit M) on a self-propelled trailer

- Self-propelled transport system for superstructure system with tank and pump unit. Mounting of the mounting system provided on the loading area of the carrier system
- Use in factory traffic



MobileUnit M50

Mounting system (MobileUnit M) on a self-propelled vehicle

- Self-propelled transport system for superstructure system with tank and pump unit. Mounting of the mounting system provided on the loading area of the carrier system
- Use in factory traffic



What we offer

We provide solutions in the following sectors:
AGRICULTURAL TECHNOLOGY, BIOGAS,
INDUSTRY, TRANSPORTATION, WASTEWATER



Our broad range of products and services

- Consulting and service
- Data management and control technology
- Disintegration technology
- Individually tailored solutions for special applications
- Pumps and pump systems
- Solid matter feeders
- Solids reduction, separators and mixers
- Spreading technology
- Supply, disposal and cleaning

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