

# ABS LIFTING STATION SANIMAX



**Complete wastewater pumping unit with ABS submersible pump suitable for liquids containing solid particles up to 30 mm**

## Application Areas

The SANIMAX, is a compact wastewater pumping unit suitable for installation at floor level or near the wastewater source. The SANIMAX has the added feature of handling solids up to 10 mm (ROBUSTA), 20 mm (MF 054/154) or 30 mm (MF 324). If you are considering converting your cellar to a utility, hobby, party, or fitness room, then you are faced with the problem of pumping away the effluent from wash-hand basins, domestic washing machines, or showers.

**The SANIMAX provides you with a clean and efficient method of removing waste.**

## Construction

Unit is supplied complete ready for use. Comprising of a noise absorbing white collecting tank of high quality synthetic material, resistant to all common toilet cleaning fluids and an ABS wastewater pump from the ROBUSTA or MF range. The unit is a space-saving, triangular design, which stands securely on the floor and allows adequate free space if installed below a wash-hand basin.

## If fitted with ROBUSTA 202:

- Variable ports, ready prepared for connection for inflow lines and power cable as well as a discharge connection for a PVC pipe.
- Hose nozzle for connection of a 3/4" hose.
- Odour-tight lid with integral venting including odour filter with back-flow prevention.
- Integral non-return valve fitted as standard.
- Universal plug/cable entry.
- Special level control for all inflow heights, back-wash proof to a max. of 100 mm above floor level
- SANIMAX R 202C for aggressive liquids. It is the duty of the user to check the suitability of the materials for the particular application.

## The SANIMAX MF 054-324 is inexpensive and easy to install and has:

- Variable ports\* for cable and pipe connections.
- Odour tight lid with odour lock and venting, including charcoal odour filter.
- Integral non-return valve fitted as standard. A separate checkvalve should be used at heads over 5 m.
- Easy fit cable entry and sealing.

\* We recommend that the lower ports should not be used as the switch on level is higher than the inflow level.



- ❑ Contains plug-in pump complete with level control system
- ❑ Can be fitted with ABS ROBUSTA 202 TS or MF 054, 154 & 324 pumps
- ❑ The collection tank is manufactured from an attractive white synthetic material which blends well into bathroom surroundings
- ❑ Compact triangular design optimises space beneath a wash-hand basin
- ❑ 7 ports (5x40 mm, 2x50 mm) ready prepared with seals which can be used for inflow, discharge, power cable or flexible hose connection to a washing machine (3/4" adapter supplied)
- ❑ Odour tight lid with an odour filtered venting system and overflow protection
- ❑ Easy fit non-return valve
- ❑ Alarm float switches available as accessory
- ❑ Total tank volume is 28 litres

# ABS LIFTING STATION SANIMAX

## Technical Data

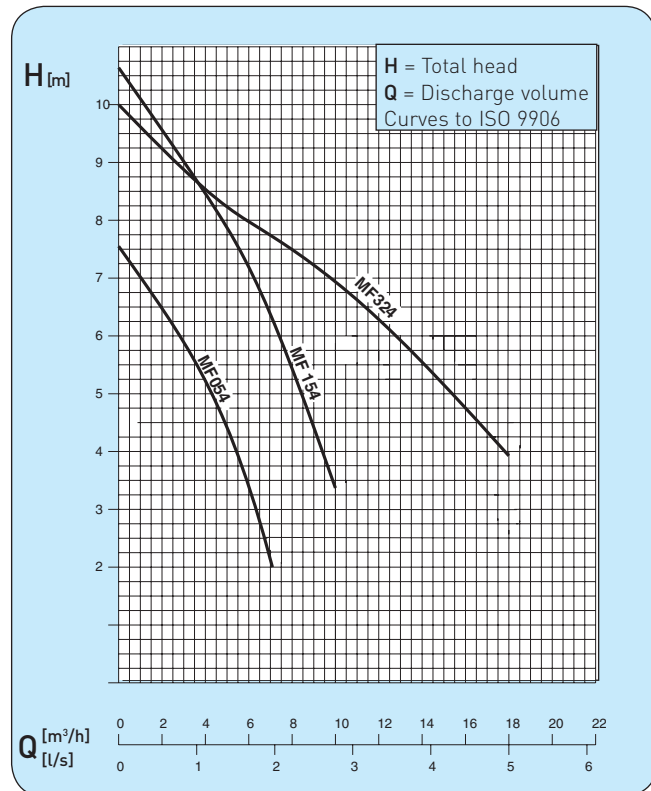
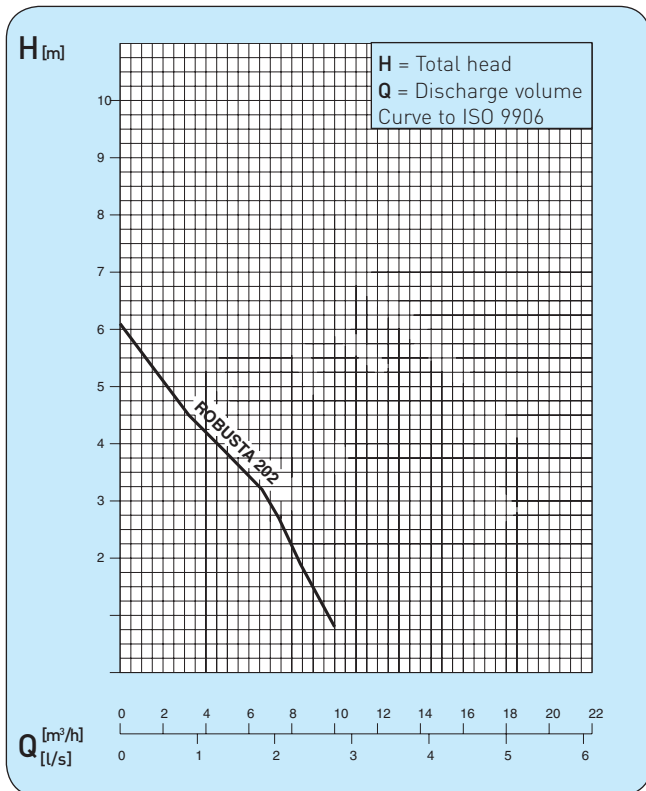
	Discharge Diameter mm	Motor power*		Speed at 50 Hz min <sup>-1</sup>	Rated voltage V	Rated current A	Cable** length m	Weight kg
		P <sub>1</sub> kW	P <sub>2</sub> kW					
SANIMAX R 202	40	0.46	0.16	2900	220-240 ~	2.1	3	5.3
SANIMAX R 202/C	40	0.30	0.16	2900	220-240 ~	1.36	3	6.3
SANIMAX MF 054	40	0.39	0.24	2900	220-240 ~	1.7	3	9.4
SANIMAX MF 154	40	0.66	0.42	2900	220-240 ~	3	3	11
SANIMAX MF 324	40	0.83	0.54	2900	220-240 ~	3.6	3	11

\*P<sub>1</sub> = Power taken from mains P<sub>2</sub> = Power at motor shaft      \*\*= With EURO plug if fitted, Cable type: H07RN-F

## Materials

	ROBUSTA 202					ROBUSTA 202/C					MF 054-324						
	Tank	Pump Housing	Rotor Shaft	Impeller	Seal	Pump Housing	Motor Housing	Rotor Shaft	Impeller	Seal	Upper Lid	Motor Housing	Rotor Shaft	Volute	Impeller	Seal	Fasteners
Polypropylene	x	x		x		x			x								
Stainless Steel 1.4021			x										x				
Stainless Steel 1.4401							x	x									x
Stainless Steel 1.4301										x							
Neoprene					x					x						x	
Cast Iron GG-25											x		x				
Polyamide														x			

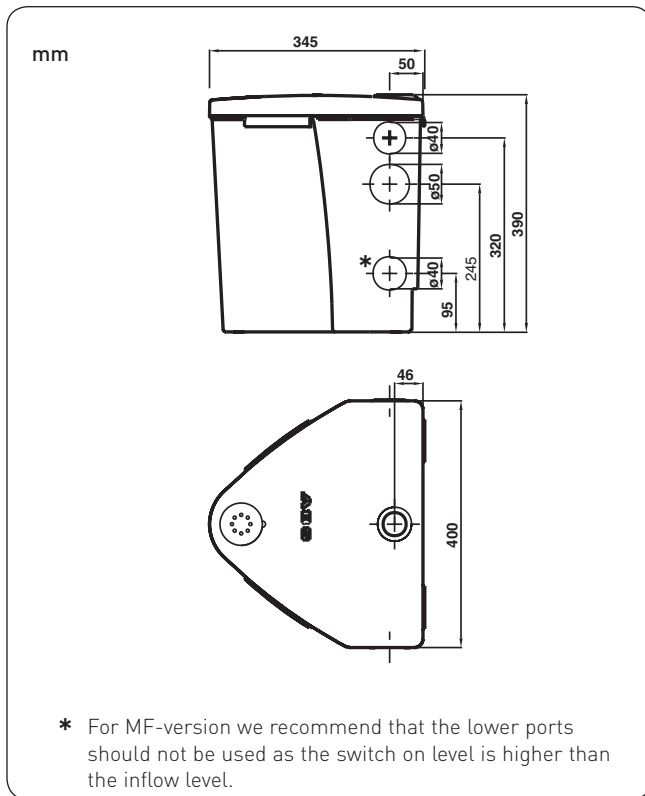
## Performance Curves 50 Hz



Performance curves for 60 Hz are available on request.

Maximum medium temperature: 40° C for continuous use, 60° C intermittent use (max. 5 min).

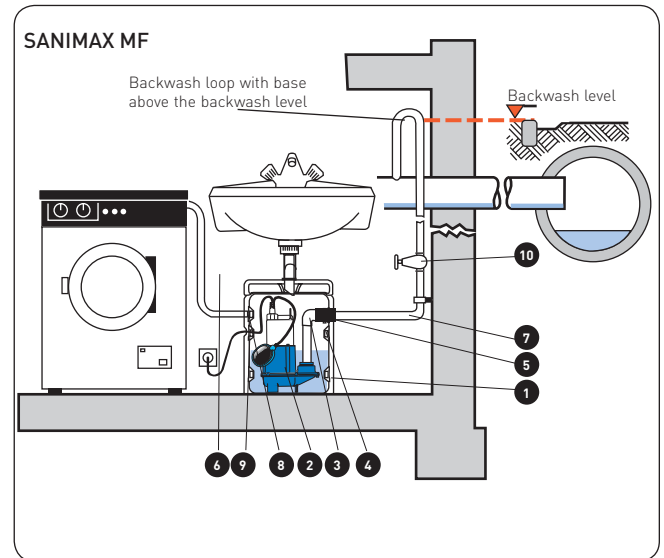
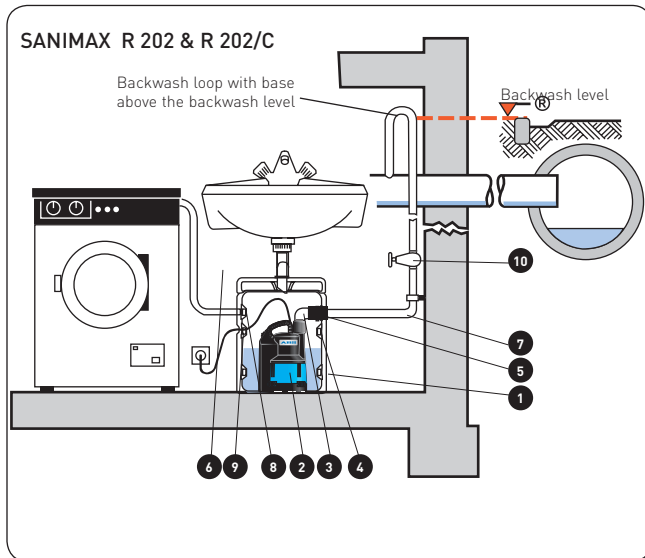
## Dimensions



## Tank Volume

	R202	MF
ON/OFF (mm)	100/50	210/120
Total Volume (l)	28	28
Pumped Volume (l)	3	6
Residual Volume (l)	3.5	3.5

## Installation Examples



- 1 Tank
- 2 ABS submersible pump with integral level control
- 3 Bend
- 4 Variable inlet possibilities, external diameter = 40/50 mm
- 5 Discharge connection with seal & non-return valve

- 6 Earthed socket
- 7 Discharge external diameter 40 mm
- 8 Sealed cable entry
- 9 Hose connection for washing machine
- 10 Gate valve (Accessory)

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## Accessories: Alarm Units

### Alarm unit: Plug-In or Wall-Mounting Alarm NSM05

ABS alarm unit in a plastic housing suitable for connection to a 230 V socket, including test button, alarm cancel button, alarm LED, connection for alarm signal, acoustic alarm signal, voltage free NO (Normally Opened) contact ( $I_{max} 2 A/V_{max} 25 V$ ) for connection to remote alarm. Charging unit for mains independent alarm signal and alarm contact signal unit NSM05.

If excessive water levels are reached in the tank the acoustic alarm, the voltage free NO contacts and the LED fault signal are activated by the alarm signal unit. If rechargeable batteries are fitted the alarm will also function when mains power has failed. As the water level falls, the alarm is automatically deactivated.

Part Number 62450038 (Plug in type)  
62455012 (Wall mounting type)

- Reliable fault signal in the event of failure
- Voltage free NO contact for remote signalling
- Alarm cancel facility
- Suitable for either plugging directly to a DIN socket or alternatively for wall mounting with length of cable to plug into other types of socket
- Rechargeable accumulators for mains independent operation



### Washing Machine Stop: WMST NSM05

ABS washing machine stop in a plastic housing, for plugging into a 230 V DIN socket, with integral 230 V earthed DIN socket into which the washing machine is plugged. ( $I_{max} 16 A$ ). On/Off switch, green LED light for operation, acoustic alarm, connection for alarm signal unit such as NSM05.

If the water level in the tank reaches too high a level, the washing machine is switched off. As the water level falls, the power is restored automatically.

Part Number 62450039

- Reliable fault signal in the event of a fault occurring
- Switches off the washing machine before the tank overflows
- Suitable for 230 V DIN earthed socket



Alarm signalling unit NSM05

Part Number 12820018



\* Alarm signalling unit NSM05 with 5 m cable (Supplied as standard with alarm unit)



We know how water works