

ABS LIFTING STATION NIROLIFT AND SANISETT 1-2



Complete pre-built wastewater sump supplied ready for installation with floor run-off, as single or twin pumping station. Suitable for fitting of ABS Pumps of the series ROBUSTA, CORONADA, MF and PIRANHA.

Applications

The NIROLIFT and SANISETT have been designed as a complete installation unit suitable for ABS submersible pumps, for simple and speedy dewatering of buildings and areas below the sewer level, and suitable for pumping wastewater in accordance with DIN/EN 12056. They are also suitable as a floor drain. A non-return valve is supplied as standard.

The NIROLIFT has been designed for the dewatering of faecal-free effluent only, and allows dewatering to take place even if the sewer is nearly filled.

The SANISETT is designed for dewatering and can also pump sewage containing faecal matter, outside the areas covered by DIN/EN. For such applications, however, consideration should also be given to our SYNCONTA lifting stations.

NIROLIFT and SANISETT can be fitted with the following pumps:

- **ABS ROBUSTA light drainage pump**, for pumping of ground and rain-water, water from hand-basins, and washing machine effluent
- **ABS CORONADA light drainage pump 200 W**, as above, however, suitable for aggressive ground water thanks to the pump housing of stainless steel, and the mechanical seal supplied as standard for shaft sealing
- **ABS light wastewater pump MF 054 W to 804 D**, for wastewater with large solid particles present up to 40 mm solids passage. (NIROLIFT: 054W to 334D)
- **ABS PIRANHA submersible grinder pump 08/09**, This is a grinder pump with heads up to 20 m which can be used to cut up and pump wastewater containing solids. (SANISETT only)

Construction

NIROLIFT: Synthetic collection tank with two inflow ports DN 100 to facilitate the connection, by means of DIN push-on sleeves and/or pressed steel clamps, of under-floor pipes from other units such as washhand basins, showers etc, located at a distance from the NIROLIFT. The discharge outlet DN 40 and non-return valve are supplied as standard.

SANISETT: Synthetic collection tank with two inflow ports DN 100/150 (90° offset), for DIN-push-on connector system to DIN/EN as well as a port DN 70 for venting and use as a cable duct, supplied as standard with plug/cable inlet seal. Discharge port DN 50.

SANISETT 1: one pump

SANISETT 2: with 2 ABS standard pumps, and separate level control system, with a bracket as holder for the junction piece of the discharge line, and the KS-floats of the automatic level control system.

NIROLIFT and SANISETT are universally adjustable in height and can be swivelled, thus allowing easy alignment with floor levels and tiling patterns, independent of the inflow or discharge line directions.

An additional intermediate piece is also available to facilitate connection to a damp-proof course where site conditions require it. A protective cover for the floor grating is supplied for use during building operations. A special seal for use with top cover is supplied as standard.



- Corrosion resistant synthetic tank
- Globular tank design for extra strength
- Can be fitted with ABS pumps of ROBUSTA, CORONADA, MF or PIRANHA 08/09 ranges
- Two inflow ports DN 100 for NIROLIFT and DN 100/150 for SANISETT
- Discharge line DN 40 for NIROLIFT and DN 50 for SANISETT
- Cable port DN 70
- Cover plate with floor run-off and odour lock
- Heads up to 20 m with PIRANHA 08/09 pumps
- Plastic cover for protection during installation
- Non-return valve supplied as standard
- Option of odour lock with aeration and venting
- SANISETT 2 can also be used with a single pump, and can be converted later to a twin-pumping station by fitting a second pump if required.
- SANISETT version for above ground installation also available

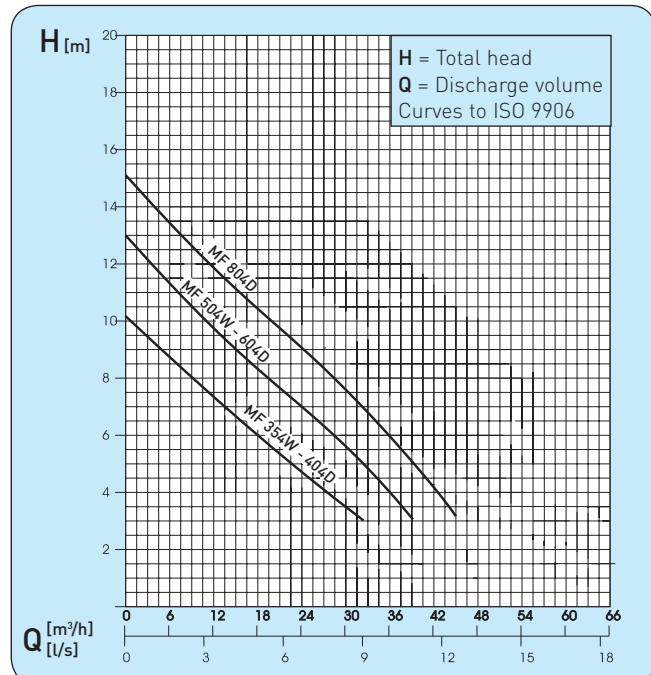
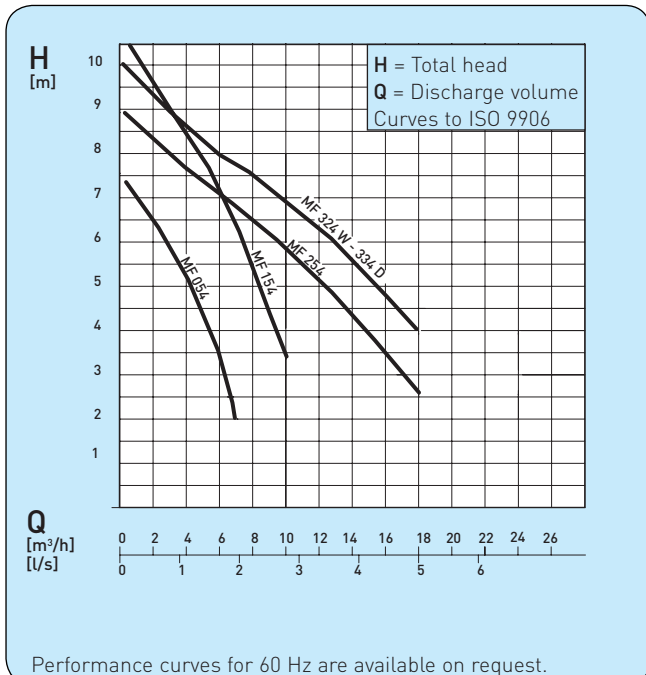
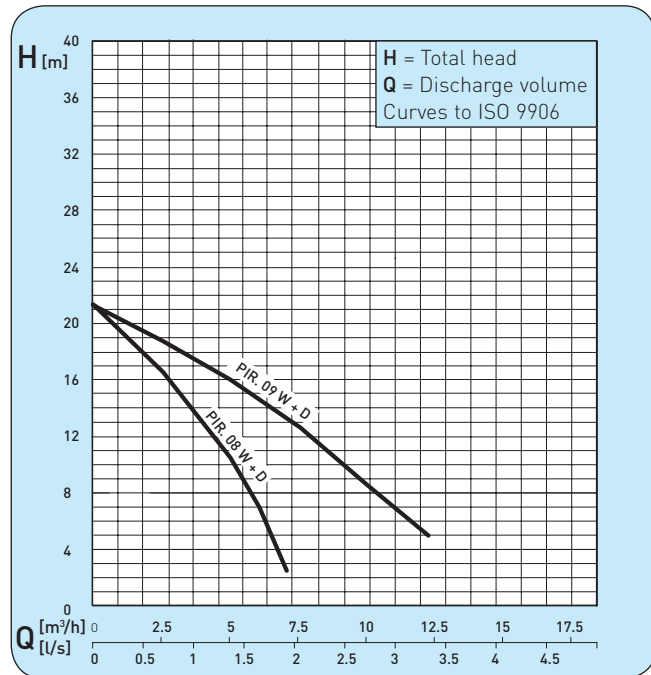
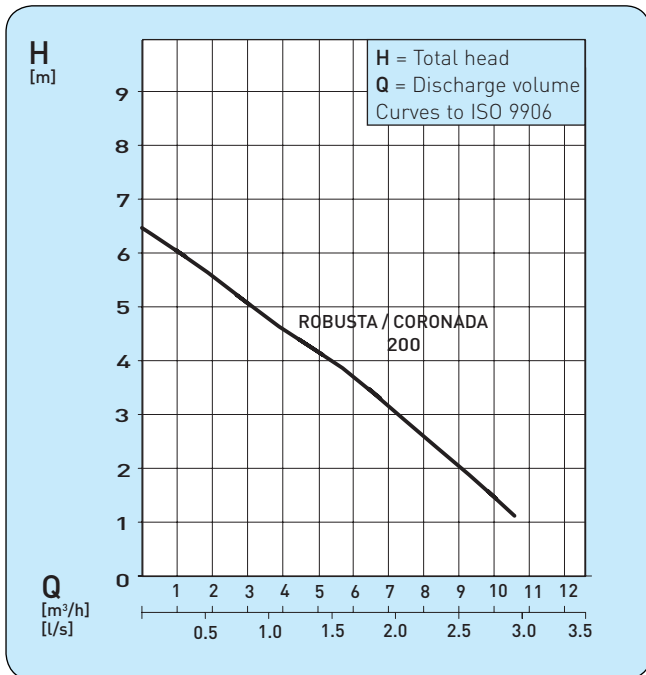
The max. medium temperature is 40° C; intermittent usage to 60° C (max. 5 min).

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Technical Data

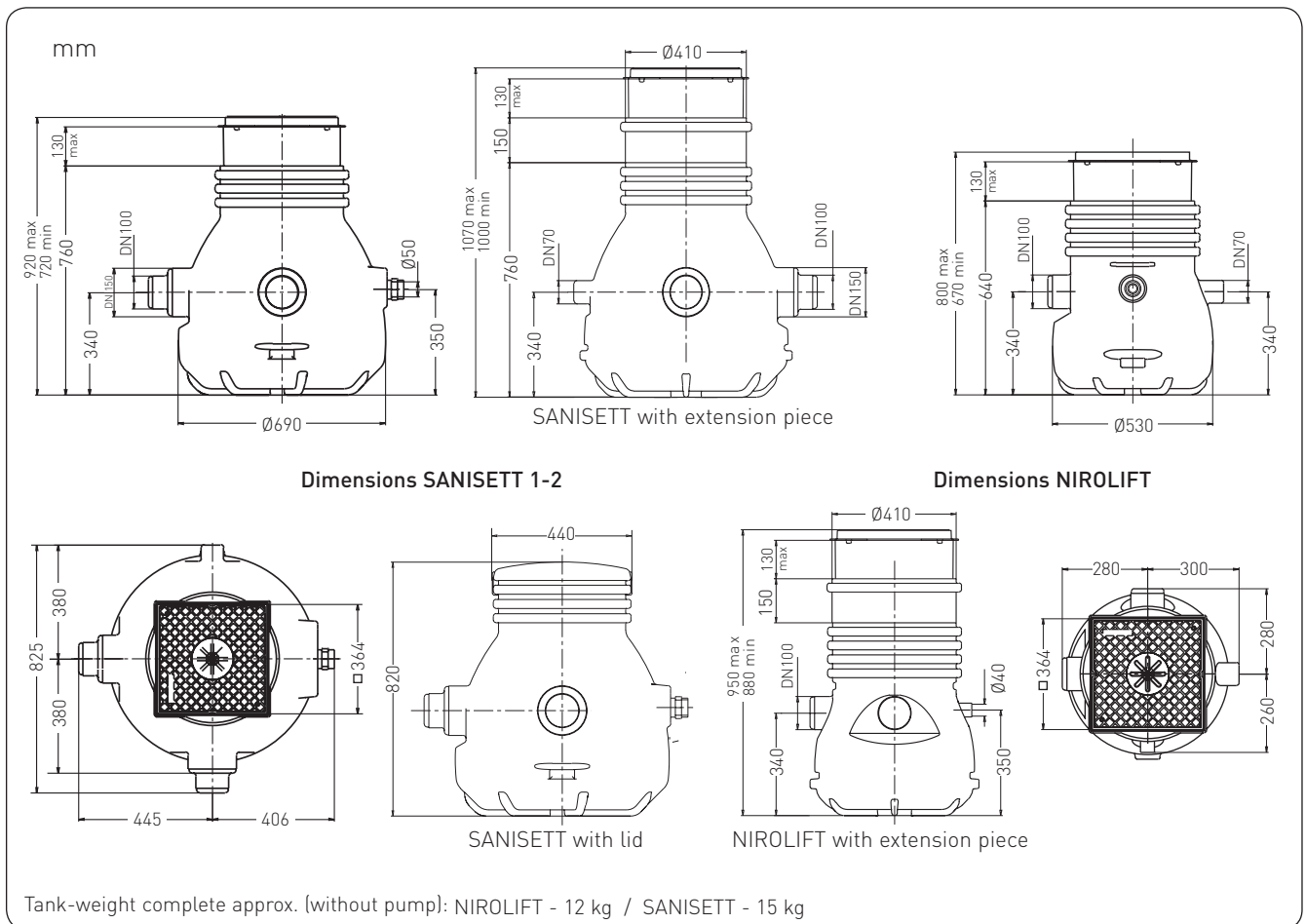
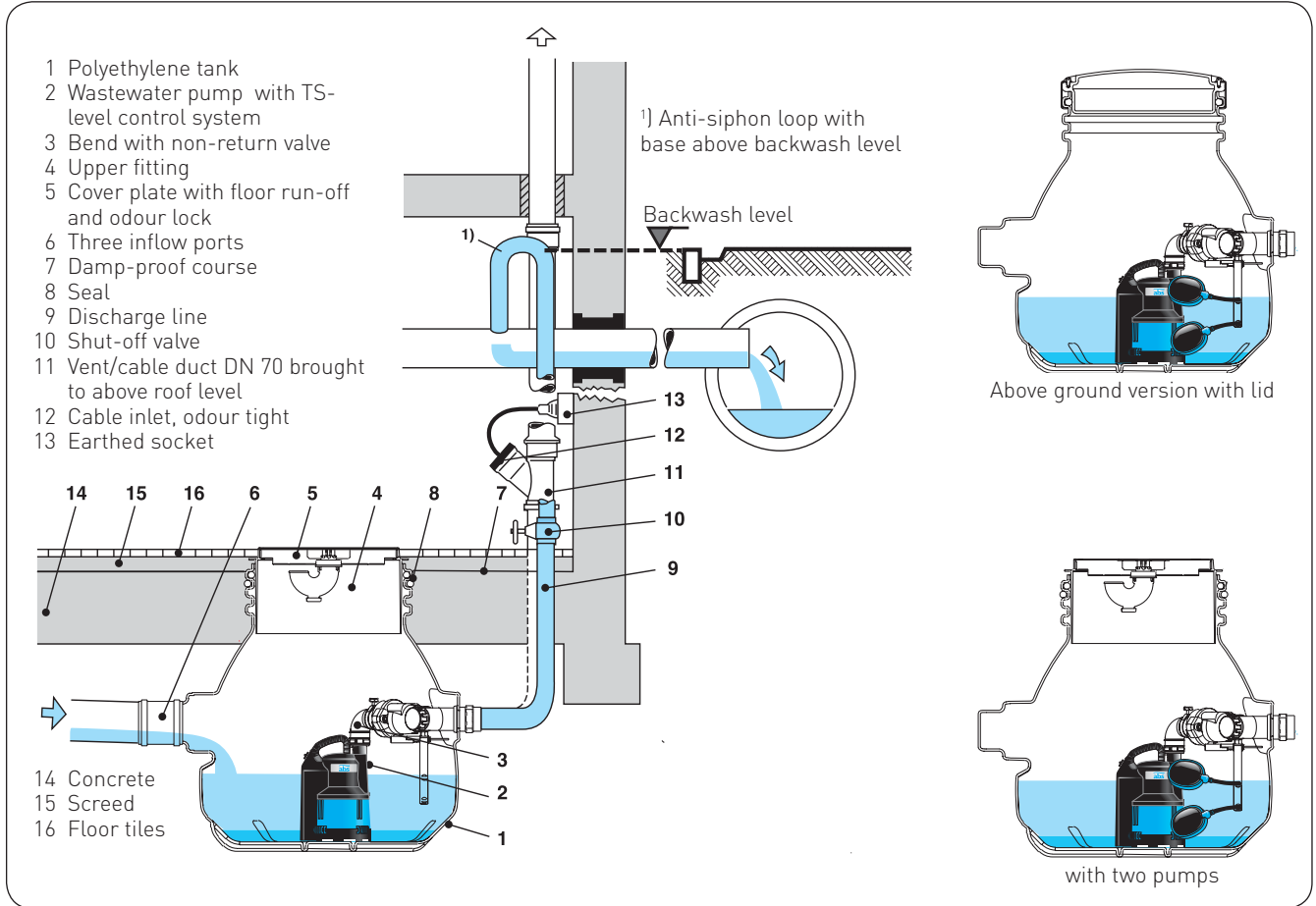
Pump type**/***	Discharge connection Pump internal thread	tank DN NIROLIFT/ SANISETT	Motor power*		Speed at 50 Hz voltage min ⁻¹	Rated voltage V	Rated current A	Cable length m	Cable type	Plug (if fitted)	Weight pump kg
			P ₁ kW	P ₂ kW							
ROBUSTA 200 W/TS	G 1½"	40/50	0.46	-	2900	220-240 ~	2.1	3	HO7RN-F3G1.0	EURO	3.3
CORONADA 200 W/KS	G 1½"	40/50	0.30	0.16	2900	220-240 ~	1.36	3	HO7RN-F3G1.0	EURO	6.5
PIRANHA 08/09 W/KS	G 1½"	40/50	1,40/2.6	1,0/1.8	2900	220-240 ~	6,4/11.6	3	HO7RN-F3G1,0	EURO	18/23
PIRANHA 08/09 D/KS	G 1½"	40/50	1,34/2.6	1,0/2.0	2900	400 3 ~	2,7/4.6	3	HO7RN-F4G1,0	CEE	18/23
MF 054 W/KS	G 1½"	40/50	0.39	0.24	2900	220-240 ~	1.7	3	HO7RN-F3G1.0	EURO	7.4
MF 154 W/KS	G 1½"	40/50	0.66	0.42	2900	220-240 ~	3.0	3	HO7RN-F3G1.0	EURO	9.0
MF 254 W/KS	G 1½"	40/50	0.72	0.47	2900	220-240 ~	3.1	3	HO7RN-F3G1.0	EURO	9.0
MF 324 W/KS	G 1½"	40/50	0.83	0.54	2900	220-240 ~	3.6	3	HO7RN-F3G1.0	EURO	9.0
MF 334 D/KS	G 1½"	40/50	0.83	0.56	2900	400 3 ~	1.4	3	HO7RN-F4G1.0	CEE	9.0
MF 354 W/KS	G 2"	50	1.10	0.70	2900	220-240 ~	4.8	3	HO7RN-F3G1.0	EURO	15.0
MF 404 D/KS	G 2"	50	1.13	0.80	2900	400 3 ~	2.0	3	HO7RN-F4G1.0	CEE	15.0
MF 504 W/KS	G 2"	50	2.0	1.5	2900	220-240 ~	9.0	3	HO7RN-F3G1.0	EURO	17.0
MF 604 D/KS	G 2"	50	2.0	1.5	2900	400 3 ~	3.5	3	HO7RN-F4G1.0	CEE	17.0
MF 804 D/KS	G 2"	50	2.6	2.0	2900	400 3 ~	4.6	3	HO7RN-F4G1.0	CEE	20.0

* P₁ = Power taken from mains; P₂ = Power at motor shaft ** Pumps not included in tank *** For SANISETT 2 use non-KS pumps



Performance curves for 60 Hz are available on request.

Installation Example



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Volume and Switching levels for NIROLIFT and SANISETT - volume in litres

Tank / Pump	On (1)	On (2)	Off (1+2)	Tank volume	Switching volume	Residual volume
NIROLIFT / ROBUSTA	150	n.a.	50	100	20	7
NIROLIFT / CORONADA	290	n.a.	90	100	40	15
NIROLIFT / MF 054-334	290	n.a.	90	100	40	15
SANISETT-1 / ROBUSTA	150	n.a.	50	180	34	12
SANISETT-1 / CORONADA	290	n.a.	90	180	84	25
SANISETT-1 / MF 054-334	290	n.a.	90	180	84	25
SANISETT-1 / MF 354-804	290	n.a.	90	180	84	25
SANISETT-1 / PIRANHA 08/09	290	n.a.	90	180	84	25
SANISETT-2 / ROBUSTA	200	240	75	180	46	19
SANISETT-2 / CORONADA	200	240	75	180	46	19
SANISETT-2 / MF 054-334	200	240	75	180	46	19
SANISETT-2 / MF 354-804	200	240	75	180	46	19

Alarm units

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.

- 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



Plug-In or Wall-Mounting Alarm NSM05



ABS alarm signalling unit NSM05

Accessories

Description	Size	Part No.
Electrical		
<input type="checkbox"/> Plug in alarm for EURO-socket 230 V with audible signal, alarm signalling diode light and cancel button, potential-free fault signal output, mains operated however with charging unit for mains independent operating.		16020201
<input type="checkbox"/> Alarm as before for wall mounting		16020203
<input type="checkbox"/> Level control with ball-float switch, ABS - KS 5 = 5 m cable		62450016
ABS- KS10 = 10 m cable		62450017
with SANISETT 2 use two floats		
<input type="checkbox"/> NC-Accu NC-rechargeable batteries 9 V TR7-8, for mains independent operating.		12820018
<input type="checkbox"/> Control panel (for twin pumping station) with plastic housing, fuses, selector switch Hand-O-Automatic, switching relays with over-current release, run and fault lights, direction of rotation indication (for three-phase versions), Alarm with horn potential-free fault signal operating, voltage 230 V or 400 V, 50 Hz, terminal block. Contact ABS for further information		

Description	Size	Part No.
<input type="checkbox"/> Installation kit as a discharge line inside the collection tank complete with non-return valve and flexible connection for the following submersible pumps:		
<input type="checkbox"/> ROBUSTA, CORONADA ,		
MF 054 to 334:	G 1 1/4" Ext. thread	62665192
<input type="checkbox"/> MF 354 to 804:	G 2" Ext. thread	62665193
<input type="checkbox"/> PIRANHA 08/09 :	G 1 1/4" Ext. thread	62665194
For NIROLIFT the installation is supplied as standard. For SANISETT an installation kit is required for each pump.		
<input type="checkbox"/> Sump extension to extend the tank depth up to a max. of 150 mm. Only one sump extension may be used.		62665196
<input type="checkbox"/> Odour lock kit		6266 5195
<input type="checkbox"/> Above ground lid		62665197
<input type="checkbox"/> Intermediate piece of cast iron with sealing ring for connecting into a damp-proof course where necessary for site reasons.		62665198
<input type="checkbox"/> Stainless steel lid		41025020

