



— WASTEWATER

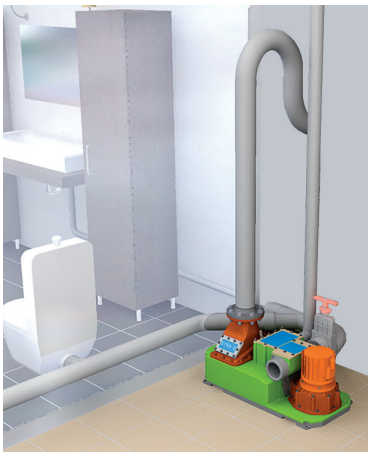
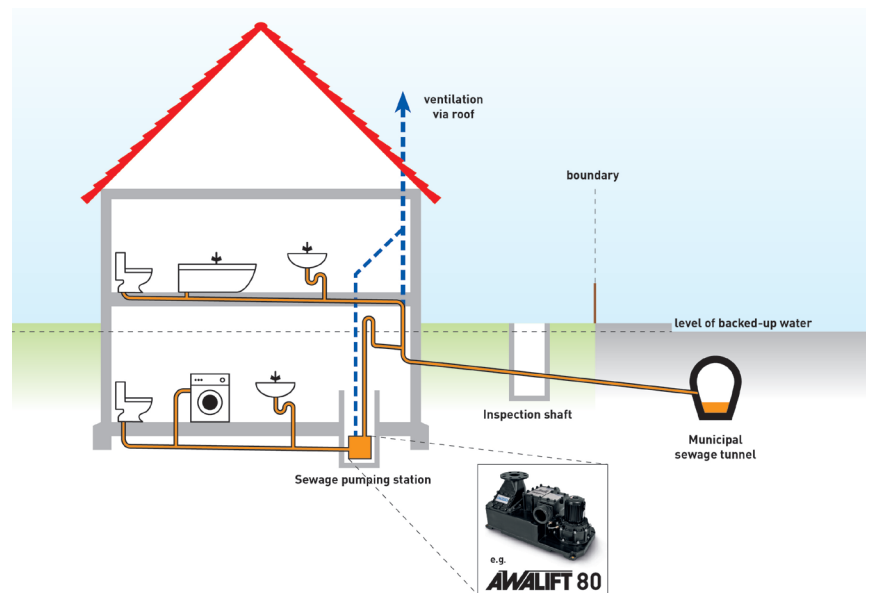
STRATE AWALIFT 80

OUR SMALLEST WASTEWATER LIFTING UNIT
RELIABLE, ECONOMICAL
AND FUNCTIONALLY SAFE

MEMBER
OF DUEKER
GROUP.

SAFE DISPOSAL IN WASTEWATER BUILDING TECHNOLOGY

Wastewater lifting units are always used when the discharge pipe is below the backwater level and drainage using natural gradient is not possible. They then ensure the wastewater is transported safely to the sewage system.

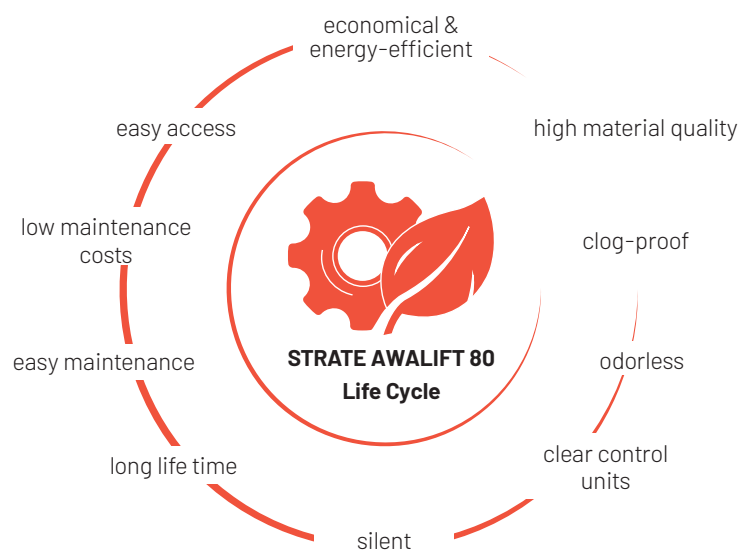


Because of its compact design STRATE AWALIFT 80 sewage plants can be installed without a problem in small rooms.

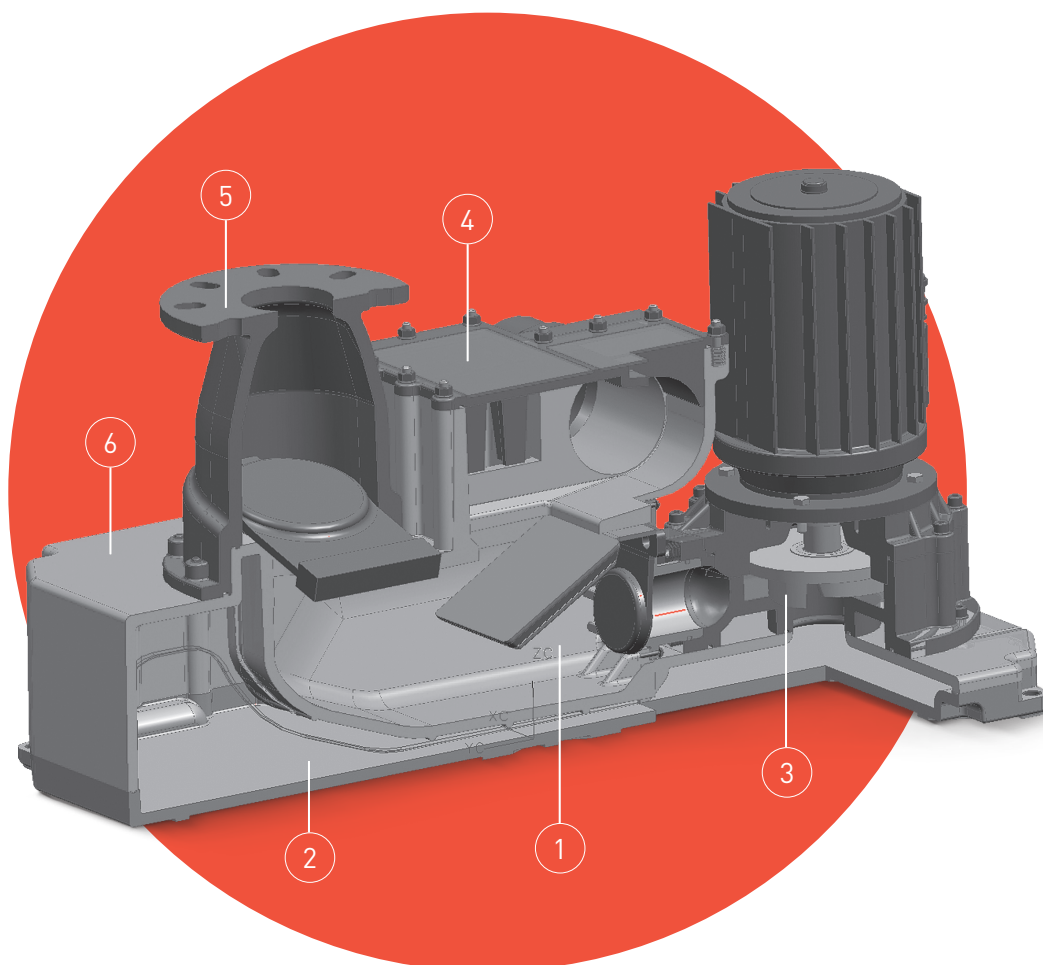
This applies to single or two-family homes, in which the basement is used in a variety of ways today and is quite often fitted with a toilet, shower, sink, bath or washing machine.

In such cases, small wastewater lifting units for up to 12 residents are required, which can of course also be used in hotels, restaurants, offices, business, practices and small industrial companies.

PROPERTIES AND BENEFITS

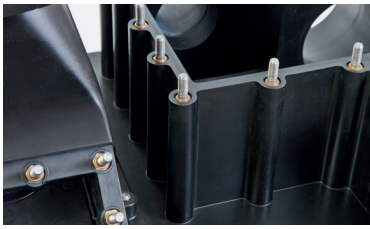


PROPERTIES AND ADVANTAGES AT A GLANCE

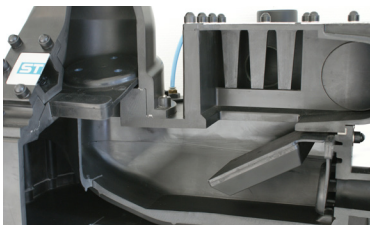


No.	Advantages	Properties
1	Clog-proof and economical operation	Patented separator design so that the pump only has to convey pre-cleaned wastewater
2	Compact, light and still sturdy	Made of PUR, small outer dimensions and only 42 kg in weight
3	Quiet and energy-efficient	Use of demand-oriented, compact and efficient centrifugal pumps, hydrodynamic separator and flow channels within the system
4	Simple servicing	All the components are easily accessible
5	High pumping capacity up to 30 m column of water	Optimum pump design, sturdy separator and container design
6	Simple operation	AWAmaster1 compact control unit with LCD plain text display

PATENTED TECHNOLOGY FOR MAXIMUM EFFICIENCY



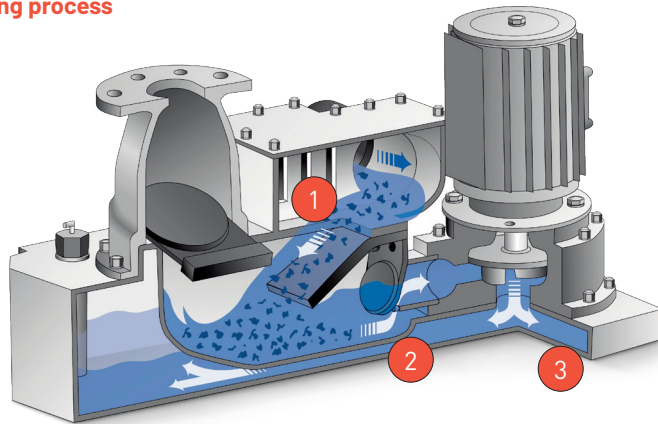
The AWALIFT 80 guarantees an extremely stable yet still light design.



The STRATE AWALIFT 80 with the patented separator system.

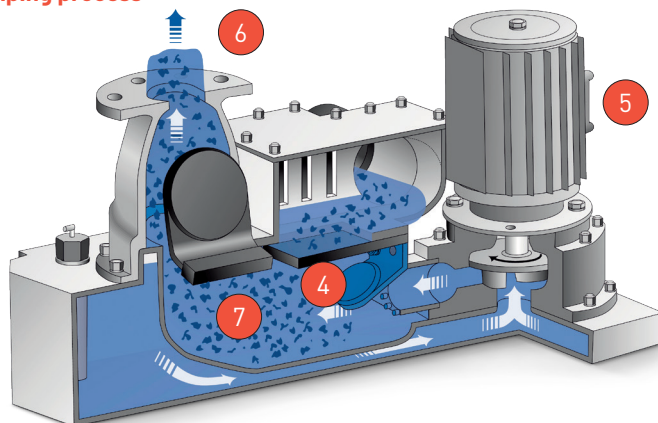
Like all STRATE AWALIFT sewage pumping stations, the STRATE AWALIFT 80 has a separator. As a result, the barrier materials are separated in advance. The pump then only pumps this pre-cleaned wastewater, which means optimum protection from soiling, clogging and wear.

Filling process



During the filling process, the wastewater enters the container [1]. Any solid matters in the water are held back reliably by the separating flap in the separator [2], while the rest of the wastewater, now free of coarse material, continues to fill the whole container [3].

Pumping process



The defined filling level has been reached, if the flap floats up and locks the intake [4]. The pump [5] switches on and pumps the pre-cleaned wastewater back through the separator into the pressure pipe [6] connected. This has the effect of picking up all the coarse material retained in the separator and flushing this together with the pump flow into the pressure pipe. At the same time, the separator is cleaned residue-free [7].

TOP PROPERTIES THANKS TO INNOVATIVE MATERIALS AND COMPONENTS

The most important material for the STRATE AWALIFT 80 is polyurethane (PUR) which is used for the container, the separator, the non-return valve and the pump. The use of PUR instead of the polyethylene (PE) otherwise used and the special RIM casting method (Reaction Injection Molding) with a wall thickness of up to 15 mm makes the system stronger and more rigid than conventional PE systems without a separator. In addition, PUR has the best abrasion resistance which is demonstrated by low wear and thus a significantly longer service life.

The noise level is also very important for use in residential buildings. STRATE AWALIFT 80 permits extremely quiet operation both day and night. This is due in part to the extremely low sound emission of the polyurethane construction used, which reduces noises to fridge level.

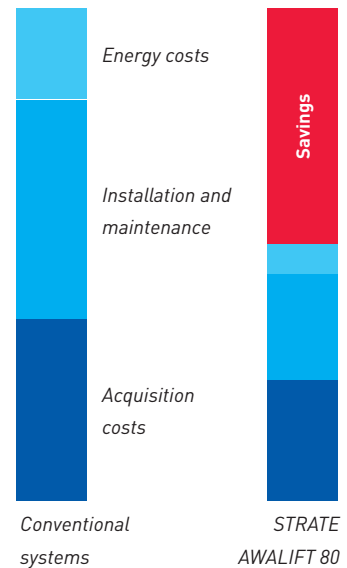
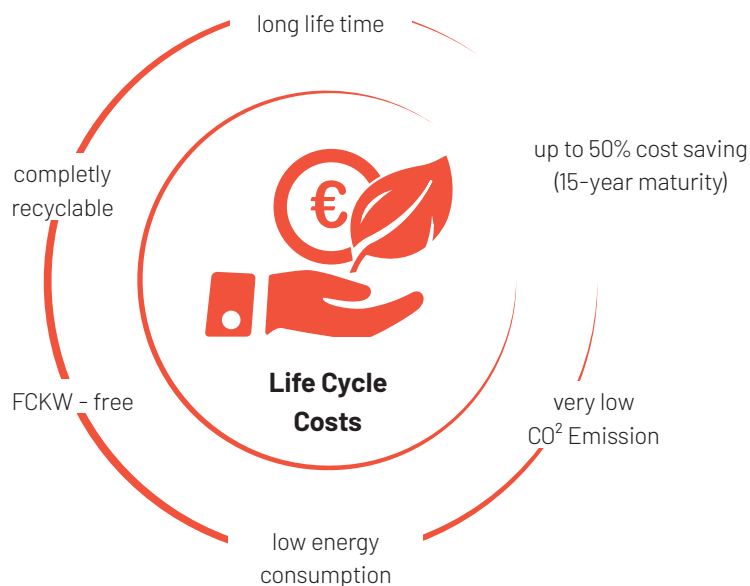
The STRATE AWALIFT 80 is always able to pump wastewater reliably over larger distances up to a pump head of 30 mWC. This is not least on account of the demand-oriented, hydraulically optimised pump design, the STRATE construction which has been proving itself for many years and the sturdy execution of all the components.

The STRATE AWALIFT 80 weighs only 42 kg and can be installed even in confined installation conditions thanks to its compact dimensions. It is set up dry, which makes servicing easier compared to servicing a submersible pump in the wet chamber, and increases service life. The station has two DN 100 inlets on the left and right, with a sealing cap for the inlet not used included in the scope of supply, as well as a DN 80 / 100 outlet for straightforward connection to the pressure pipe. Every system is hermetically sealed so that no unpleasant odours can escape.



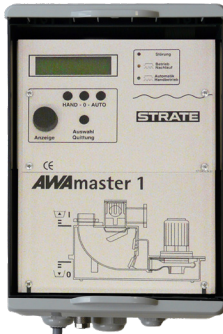
The STRATE AWALIFT 80 has a DN 80 / 100 flange connection to the pressure line which can be used without an adapter for both sizes, as well as two DN 100 inlets.

GREAT FOR BUDGET AND ENVIRONMENT



When considering overall Life Cycle Costs for 15 years, savings of up to 50% are possible for the STRATE AWALIFT 80..

ASSEMBLY, CONTROL, SERVICING AND ACCESSORY

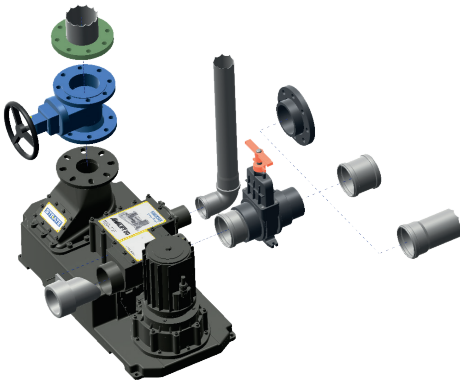


Thanks to the compact design and low weight, the STRATE AWALIFT 80 can even be transported through narrow accesses e. g. room doors to its installation location. In addition, it only requires very little space. The system is ready to operate and can be connected with very little work required. The inlet connection can be either on the left or right, special connections sets are optionally available.

All functions under controll all time

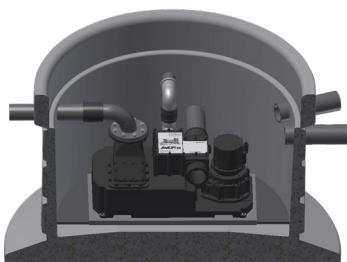
Every STRATE AWALIFT 80 is equipped with the compact control unit STRATE AWAmaster 1. It contains the pump control module as well as all the important operating elements and displays for process control.

Characterised by its outstanding user friendliness and functionality, and has a clear LCD plain text display which shows details of the filling level, running times as well as numerous operating parameters. The integrated alarm kicks in if there is a malfunction. All the settings and fault messages are retained even after a power failure. In addition, it can be used for the setting of switching points, times and motor current restrictions. Control takes place depending on the filling level in conjunction with the level measuring system of the STRATE AWALIFT 80.



Easy and fast servicing

Thanks to the well thought-out design, servicing the STRATE AWALIFT 80 can be carried out extremely easily by a specialist company with little time and material expenditure required. In order to maintain insurance protection in accordance with DIN EN 12056-4, servicing is mandatory and should be carried out at least once a year in single-family homes; it includes inspection and maintenance of the system. The inspection covers can be loosened in a few fast and easy steps and are easily accessible from the outside. Servicing is made easier by the hygienic dry set-up and the closed system. All these factors result in a reduction of the time required by 30 % compared to the use of submersible pumps.



STRATE – WAVIN- WELL

The AWALIFT 80 is already pre-installed in a WAVIN well module-system.

The modules can be individually supplemented with any WAVIN well system and the system provides enough space for servicing. Thanks to the dry set up the well stays clean.

Technical data:

Inner diameter: 1250mm

Overall height: 1120mm

Overall diameter: 1830mm

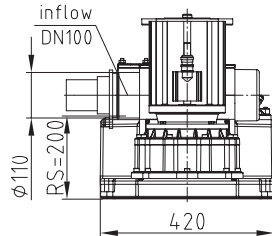
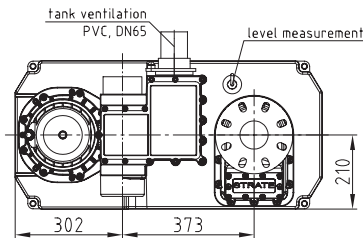
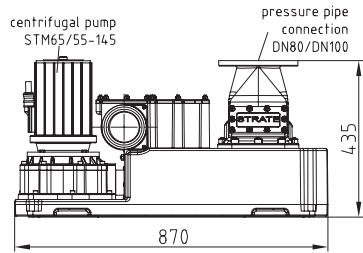
Overall weight: ca. 250-275kg (depending on delivery rate of a pump)

Installation depth: max. 4000mm

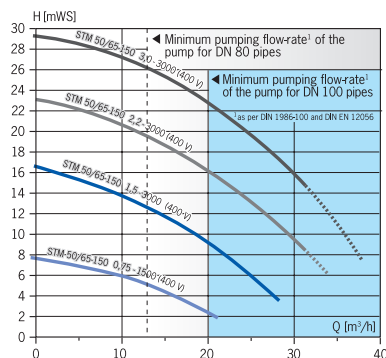
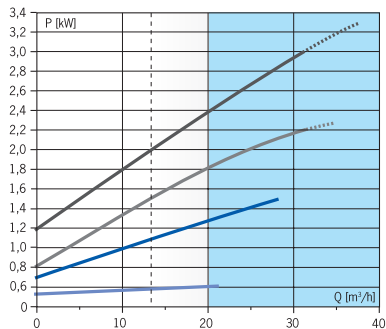
Installation depth in the groundwater: 1500mm

Area of application at SLW60

STRATE AWALIFT 80 OVERVIEW



Pump curves



Version	KW	0.75	1.5	2.2	3
Head	Hmax	see curve			
Flow	Qmax	see curve			
Media temperature	°C	20			
max. briefly	°C	40			
Inlet height	mm	200			
Inlets	DN	DN 100 either on the left or right, seal for 2nd conneciton included			
Pressure connection	DN	DN 80 / 100 PN 10 (adapter unnecessary)			
Vent pipe		Connecting muff DN 70 for insertion sleeve with sealing ring e. g. according to EN 1401			
Sound level DIN ISO	dB(A)	52			
Motor data					
Voltage	V	3ph 230 V			
Speed	1/min	1500	3000		
Rated power	kW	0.75	1.5	2.2	3
Rated current	A	2.8	3.9	4.6	6.4
Mode of operation		S3 - 15%			
Protective rating	IP	67 (complete contact protection and flooding resistance)			
Motor protection and rotation control		included			
Motor connection cable	m	3.5			
Coating / corrosion protection		2K acrylic resin, colour RAL 9005 - deep black, matt			
Control unit					
Compact control unit		AWAmaster 1			
Mains plug		CEE plug (16 A)			
Weights and dimensions					
Weights net, overall	kg	42	46.3	49.2	51.5
Dimensions: W / H / D	mm	870 / 190 / 420			
Holding tank volumne (gross)	L	32			
Chamber size	mm	1000 x 700 bzw. Ø 1200			
Installation opening	mm	450 x450			
Material					
Housing / pump		Polyurethane (PUR)			
Colour of housing		RAL 7021 (black-grey)			

Scope of supply

The STRATE AWALIFT 80 wastewater lifting unit is delivered ready for operation, including PUR container with the separator, PUR centrifugal pump and motor according to performance characteristic and duty point, PUR non-return valve STRATE AWASTOP DN 80 / 100 with connection flange DN 80 / DN 100 for the discharge pipe (no adapter required), level measurement, pump control unit STRATE AWAmaster 1 and a connection cable with CEE plug.

Accessories

In addition there is a comprehensive range of accessories available which makes installation of the STRATE AWALIFT 80 easier.

For example: a plastic shut-off valve DN 100, a pressure pipe shut-off valve for the outlet, a sump pump, a monitoring system or a text message alert transmitter.



STRATE Technologie für Abwasser GmbH

Im Kirchenfelde 9

D-31157 Sarstedt

T +49 5066 988-0

strate.info@dueker.de

www.strate.com

For over 75 years, STRATE has stood for innovation in all aspects of wastewater transport. Our patented dry-installed system combines maximum operational reliability, economy with user-friendliness. Our portfolio includes wastewater pumping stations with innovative separator system as well as check valves and ventilation and bleeding valves. In addition, STRATE supplies blower and compressor manufacturers with check valves and valves for air and industrial gases.

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