

AWALIFT 2/2 penta

The sewage pumping station with the STRATE system

Area of use for the AWALIFT 2/2 penta 25 m³/h:

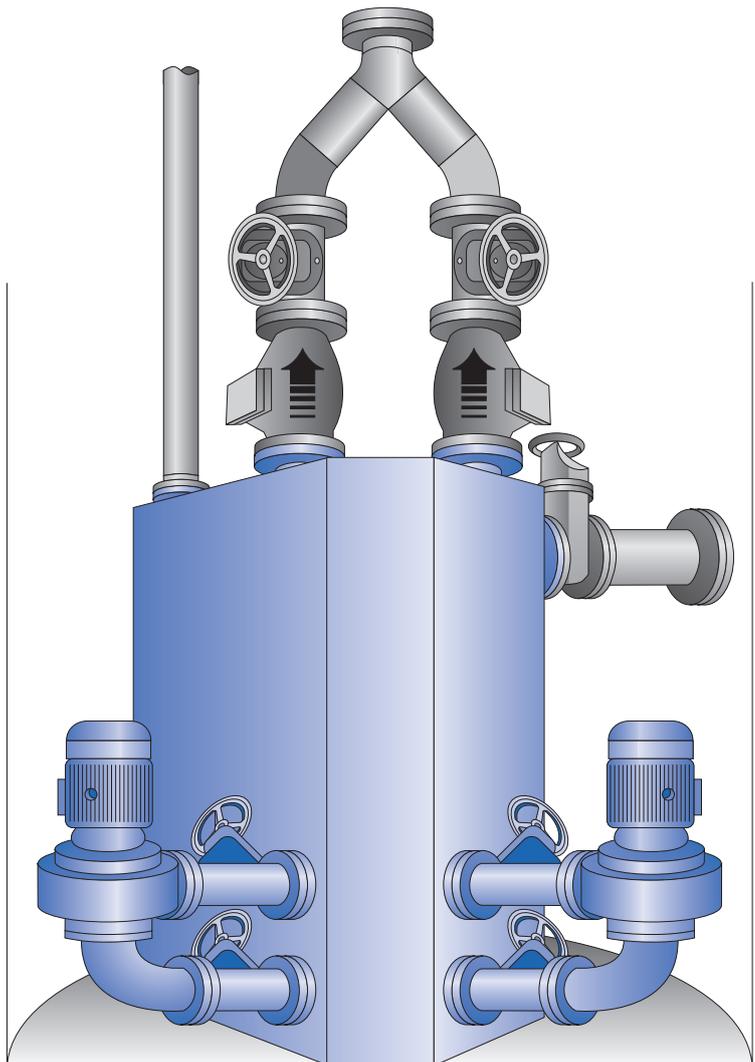
- Draining small towns with up to about 1200 residents which cannot be drained using natural gradient or as an intermediate pumping station within the context of a pressure drainage system
- Large system capacity despite small space requirements (set-up directly at the shaft wall possible, making small shaft diameter necessary)
- Residential and industrial areas
- Towns
- Communities
- Infrastructure facilities such as airports, industrial parks, underground stations etc.

up to
1200 PE

up to
1700 PE

Area of use for the AWALIFT 2/2 penta 36 m³/h:

- Draining small towns with up to about 1700 residents which cannot be drained using natural gradient or as an intermediate pumping station within the context of a pressure drainage system
- Large system capacity despite small space requirements (set-up directly at the shaft wall possible, making small shaft diameter necessary)
- Residential and industrial areas
- Towns
- Communities
- Infrastructure facilities such as airports, industrial parks, underground stations etc.



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Technical data

System capacity:	25 m ³ /h raw sewage, 1200 PE (penta 252) 36 m ³ /h raw sewage, 1700 PE (penta 362)
Pumping head:	up to approx. 70 mWS (penta 25 m ³ /h) up to approx. 80 mWS (penta 36 m ³ /h)
Free passage:	100 mm
Tank dimensions:	R = 990 mm, H = 1500 mm
Tank contents:	1,4 m ³
Space requirements:	Ø 2000 mm bzw. Ø 2400 mm
Weight:	approx. 800 kg
Installation opening:	1700 mm x 1200 mm
Inlet height:	1200 mm
Inlet connection:	DN 200 PN 10
Pressure pipe connection:	DN 100 PN 10
Venting and air release:	DN 100 PN 10
Electrical connection:	According to requirement

Materials

Tank:	S235JR (St37-2)
Pump:	EN-GJL-250 (GG25), EN-GJL-400-15 (GGG40)
Coating/corrosion protection:	2-component coating on epoxy resin basis, DB 601 green

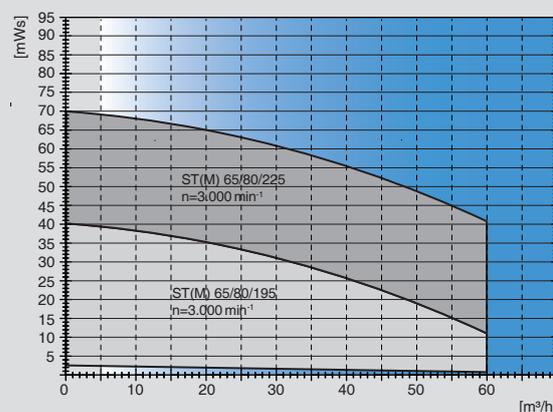
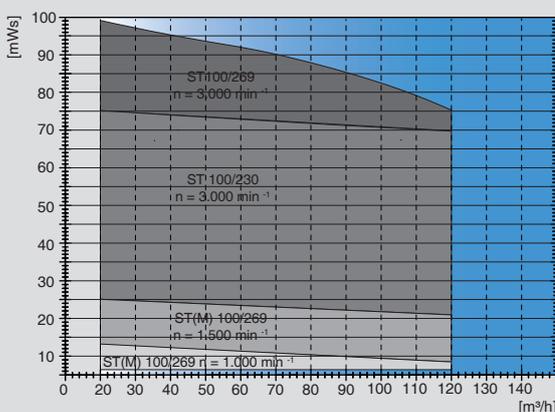
Scope of supply:

- One holding tank with two solids collecting chambers
- Two centrifugal pumps and motors according to type and operating location required
- Four pump gate valves
- Two STRATE non-return valves
- One Y-pipe DN 100
- Two pressure pipe gate valves DN 100
- Level measurement

Accessories:

- Pump control
 - Inlet gate valve DN 200
 - Pipes incl. reducer and transition flanges within the building
 - Pig trap
 - Basement draining pump
 - Alarm and monitoring systems, see control technology
 - Inductive quantity measurement
 - Emergency power generator
 - STRATE venting systems
 - STRATE AWALIFT shaft
 - STRATE service building
 - STRATE assembly and maintenance
- Special accessories according to your requirements

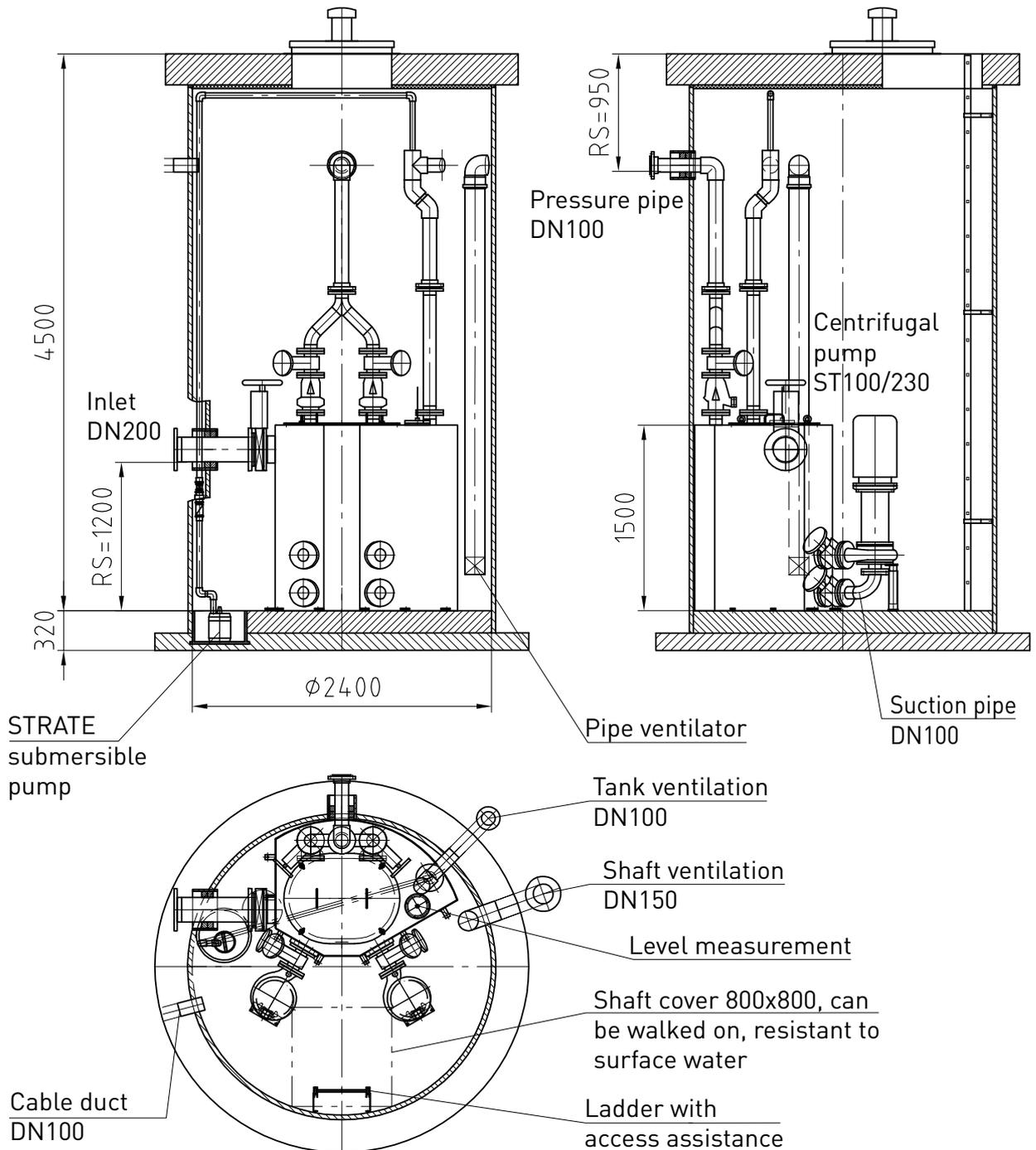
Characteristic curve for pump



Other operating points on request.
Pumps which can be used ST(M) 65/80, ST(M) 100/269, ST 100/230.
The impellers are adapted to the specific operating point.

Subject to technical modifications and errors.

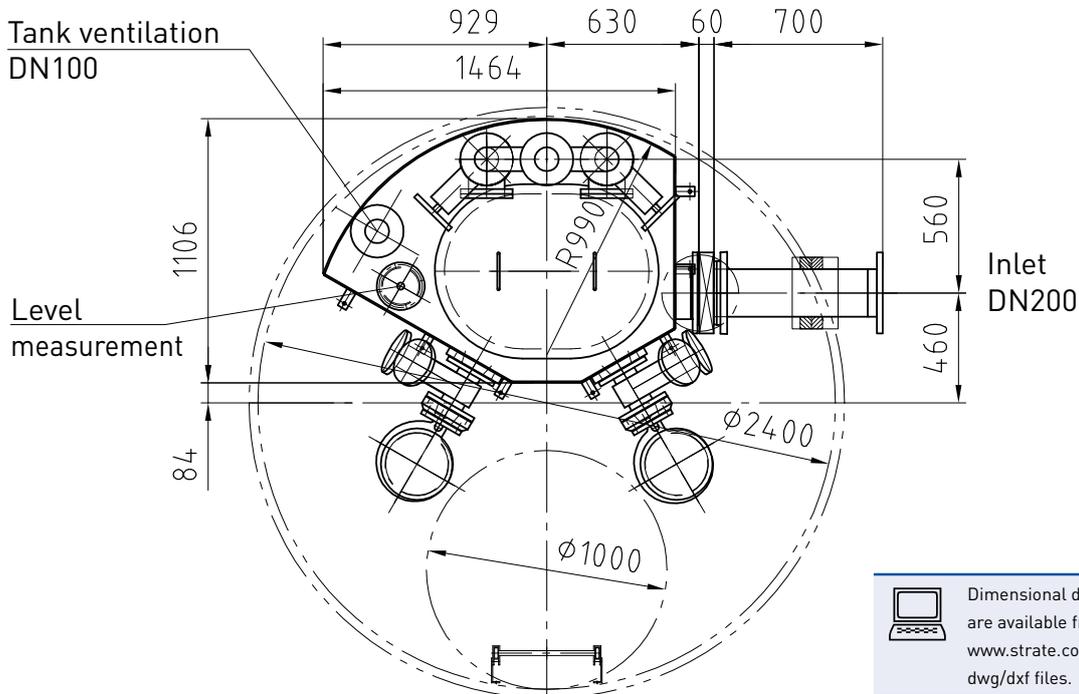
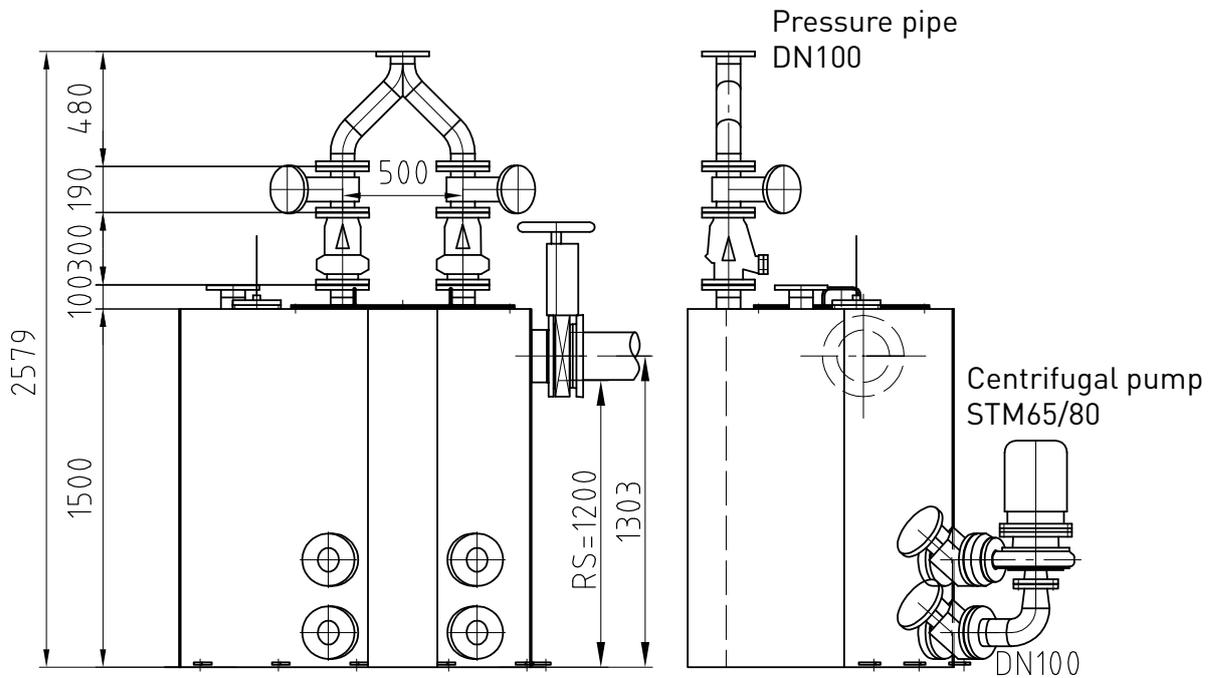
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Copyright according to DIN 34	Installation suggestion: AWALIFT 2/2 penta in the AWALIFTSCHACHT
Scale:	

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Dimensional drawings are available from www.strate.com as dwg/dxf files.

Copyright according to DIN 34	Dimensional drawing: AWALIFT 2/2 penta
Scale:	

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