

Recirculation Pumps RCP

ABS submersible propeller pumps for pumping activated sludge in treatment plants

- compact design, using the proven ABS submersible motor
- self-cleaning propeller suitable for lightly polluted sewage and activated sludge
- very good hydraulic efficiency when pumping large volumes of liquid at low heads
- high operating reliability and suitable for continuous operation
- easy to handle due to the ABS automatic coupling system



Recirculation Pumps RCP

Applications

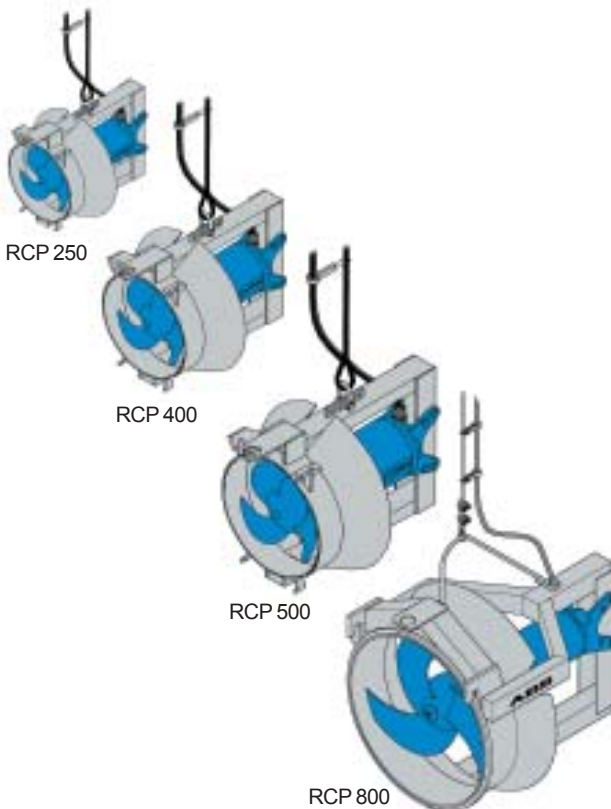
The RCP recirculation pumps have been designed for pumping activated sludge in treatment plants during the nitrification and denitrification process.

As ABS all submersible pumps and submersible mixers they have been designed for economical and reliable operating:

- Water pressure tight-encapsulated unit construction
- Shaft sealing by high quality silicon carbide mechanical seal, resistant to temperature shock
- Electronic seal monitoring for motor and gearbox with indication that an inspection is due
- Thermal motor protection by thermal sensors in the stator (Insulation Class F = 155°C)

The recirculation pumps are supplied as standard with a special three-blade propeller designed for high efficiency.

The ABS recirculation pumps RCP are supplied with the well-proven automatic coupling system using a single guide rail. The ABS automatic coupling system guarantees quick and economical installation.



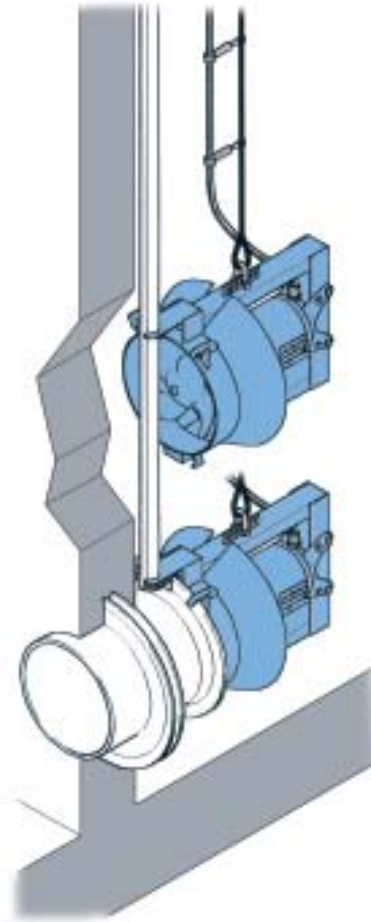
The well-proven automatic coupling system

The DIN-flange of the discharge line (supplied by the customer) forms the connection flange of the ABS automatic coupling unit. A guide rail joins the connection flange with the pipe retainer at the top of the tank.

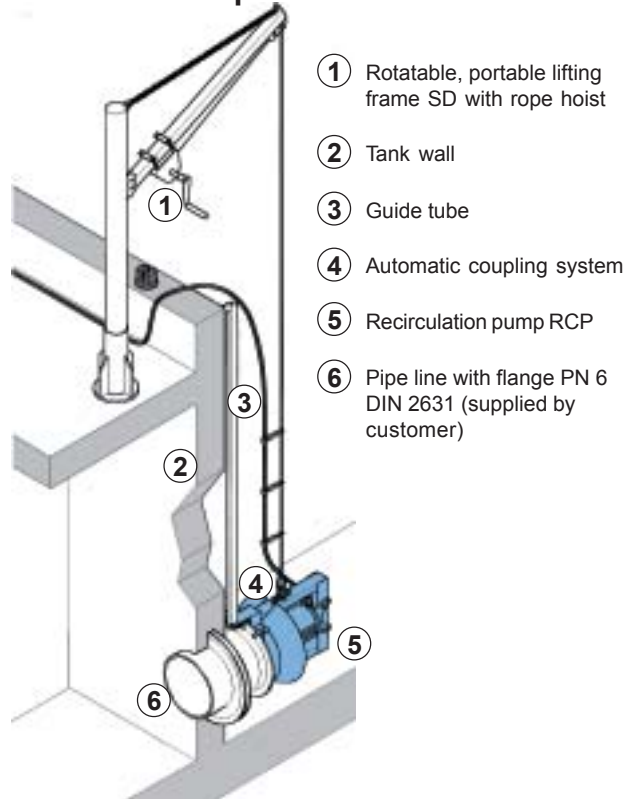
The ABS recirculation pump is connected on to the guide rail and can be lowered easily.

It reaches its correct operating position automatically and is immediately ready for use.

The ABS automatic coupling system is of a particular advantage when checking or inspection work is being carried out.



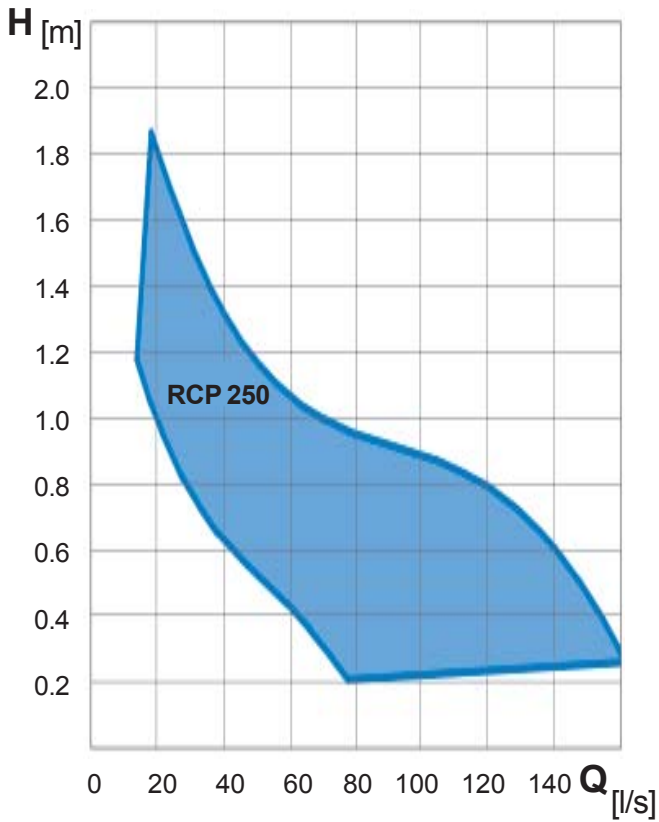
Installation Example



Recirculation Pumps RCP

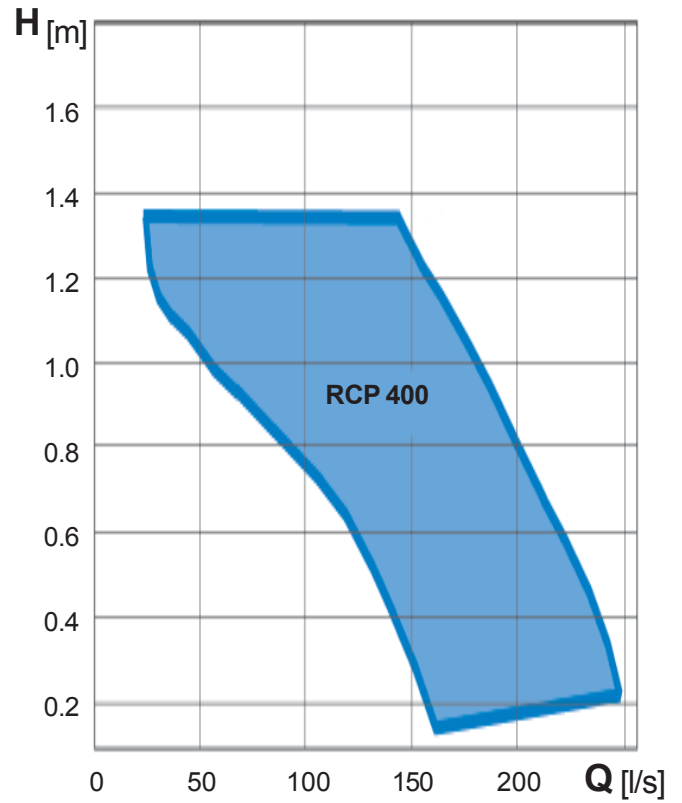
Performance range 50 Hz

RCP 250



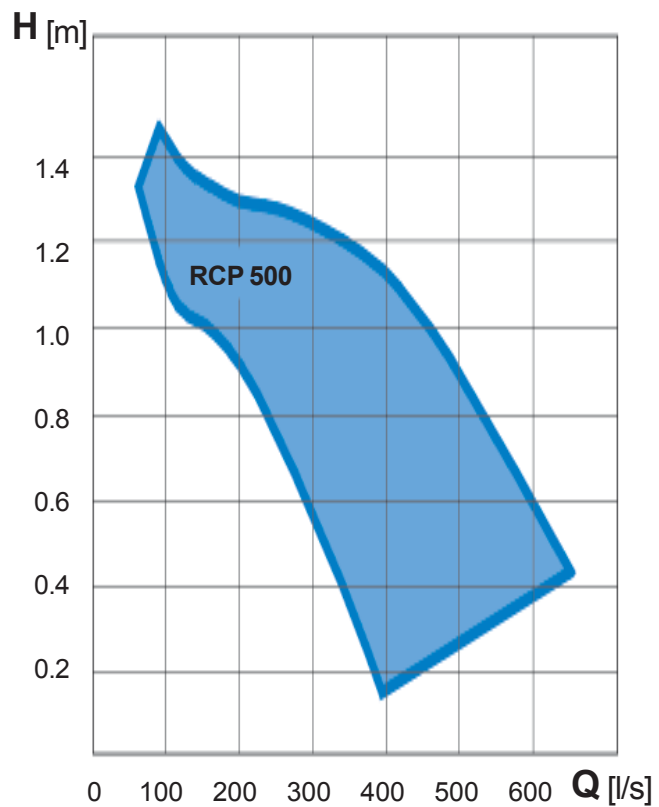
Performance range 50 Hz

RCP 400



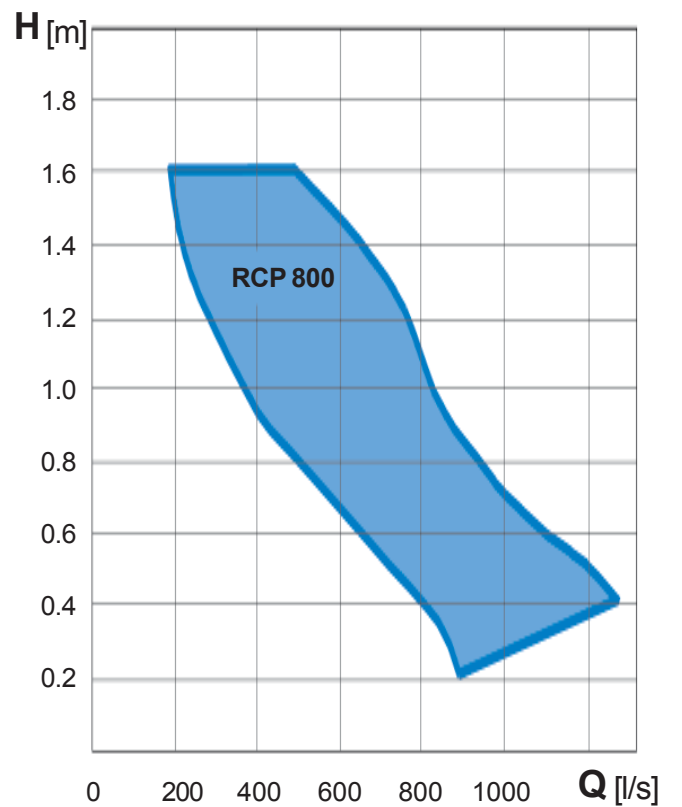
Performance range 50 Hz

RCP 500



Performance range 50 Hz

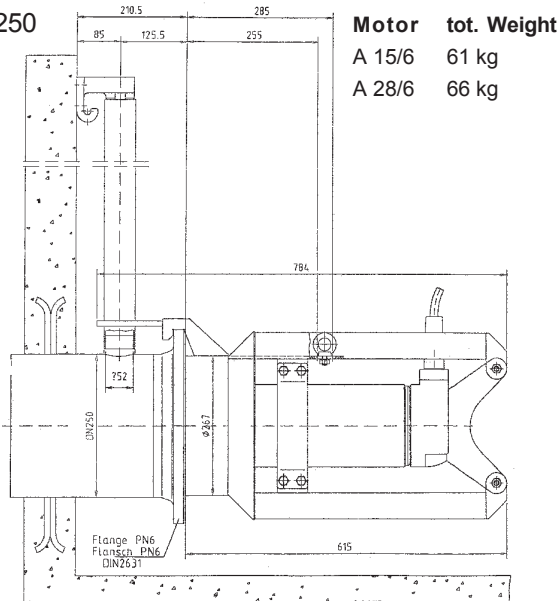
RCP 800



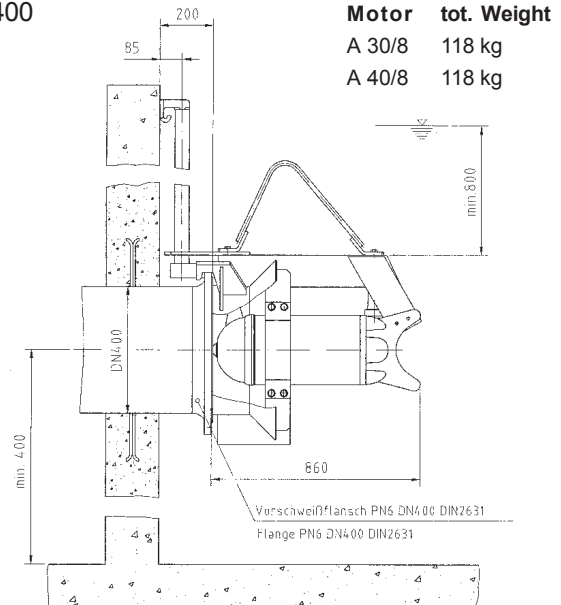
Recirculation Pumps RCP

Dimensions

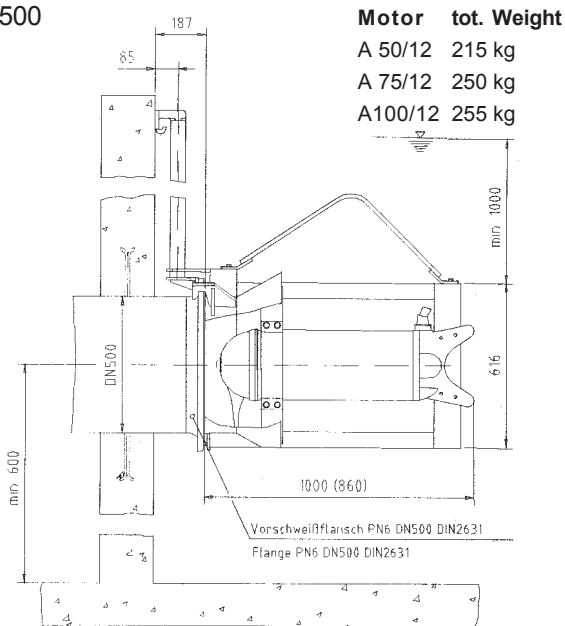
RCP 250



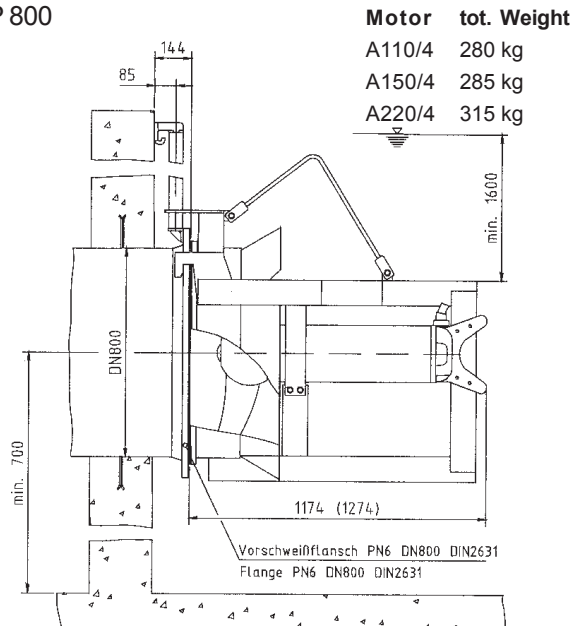
RCP 400



RCP 500



RCP 800



ABS reserves the right to alter specifications due to technical developments.

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