

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.

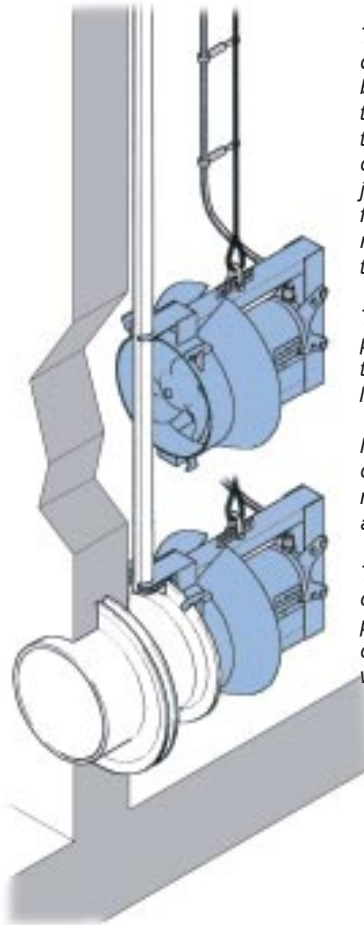
As ABS all submersible pumps and submersible mixers they have been designed for economical and reliable operating:

- 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

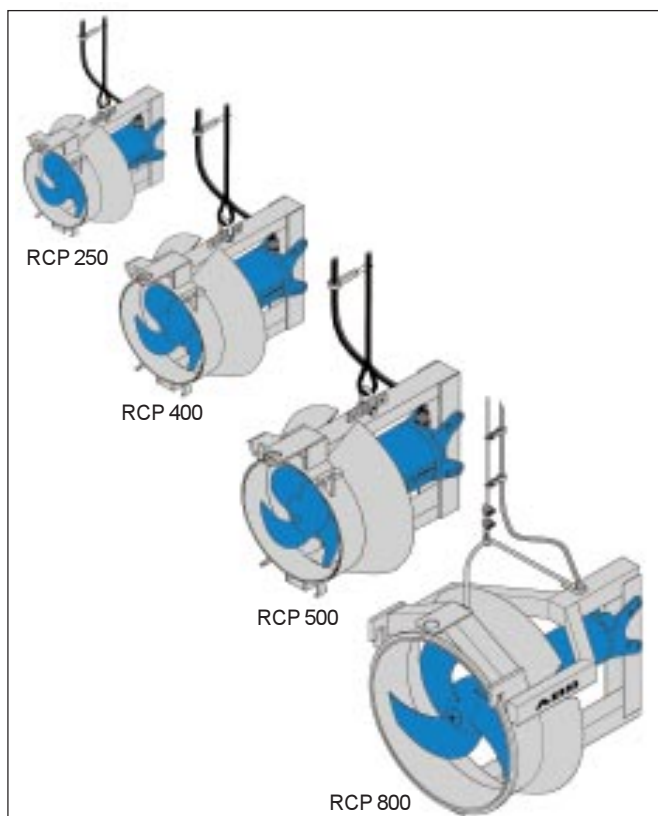


The DIN-flange of the discharge line (supplied by the customer) forms the connection flange of the ABS automatic coupling unit. A guide rail joins the connection flange with the pipe retainer at the top of the tank.

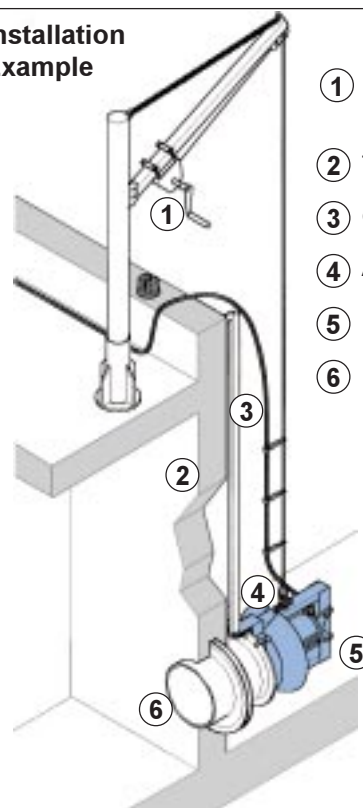
The ABS recirculation pump is connected on to the guide rail and can be lowered easily.

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.

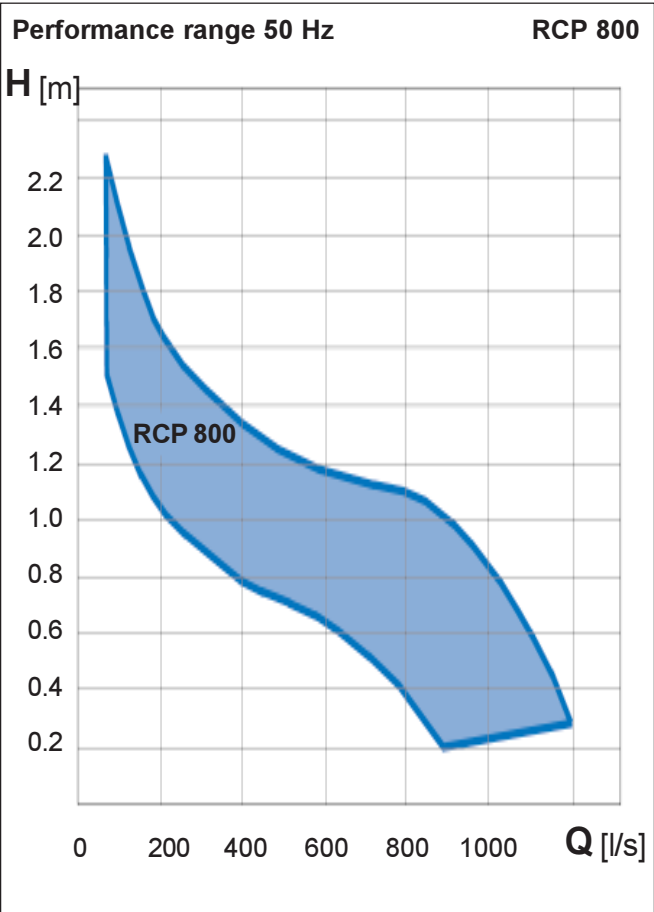
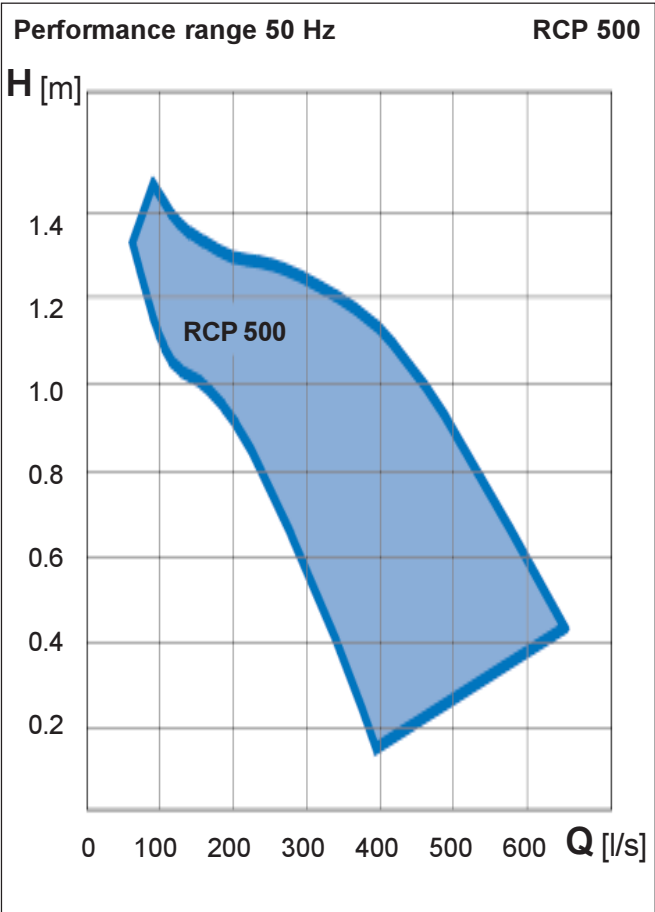
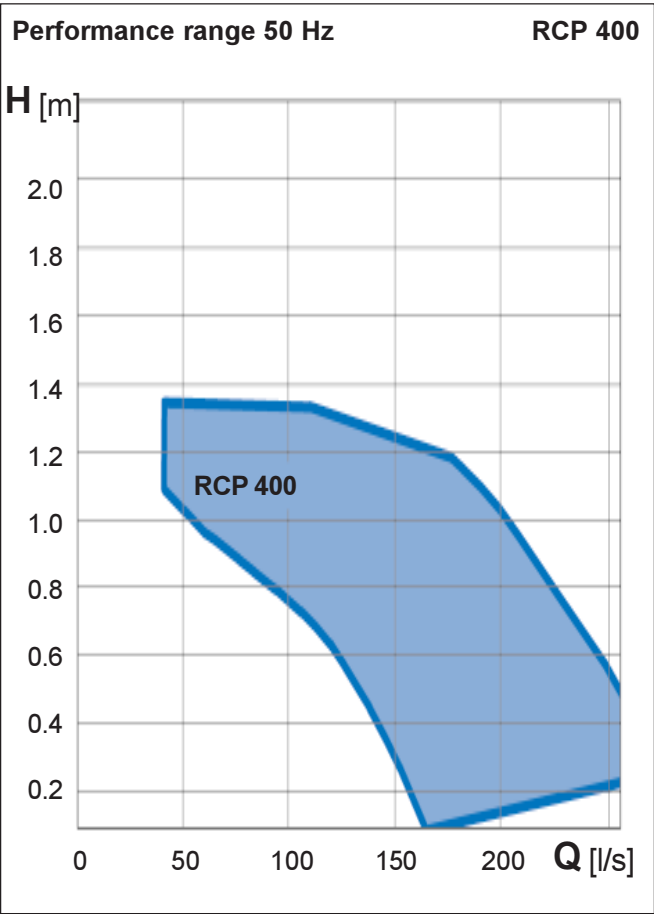
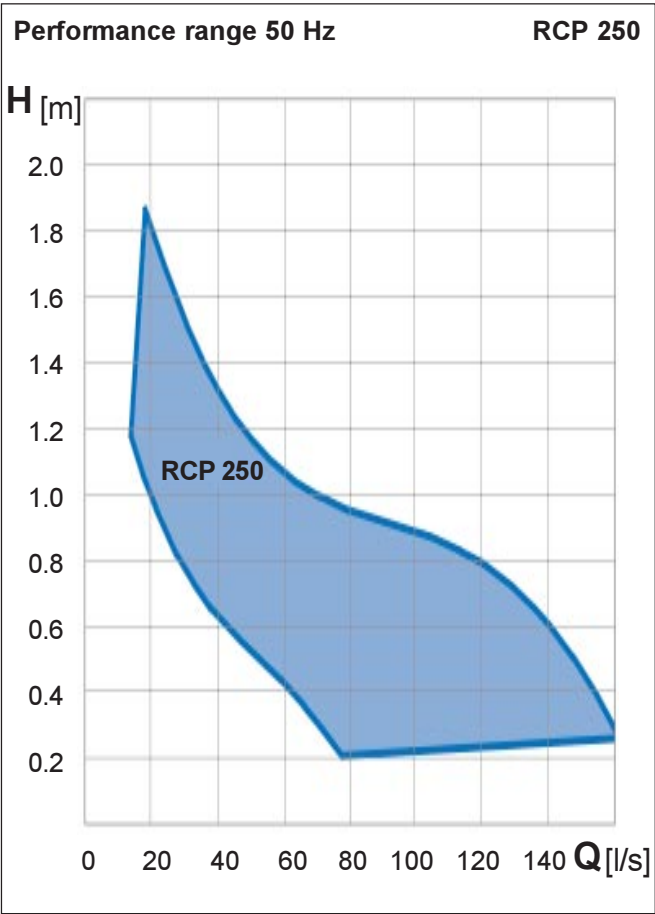


Installation Example



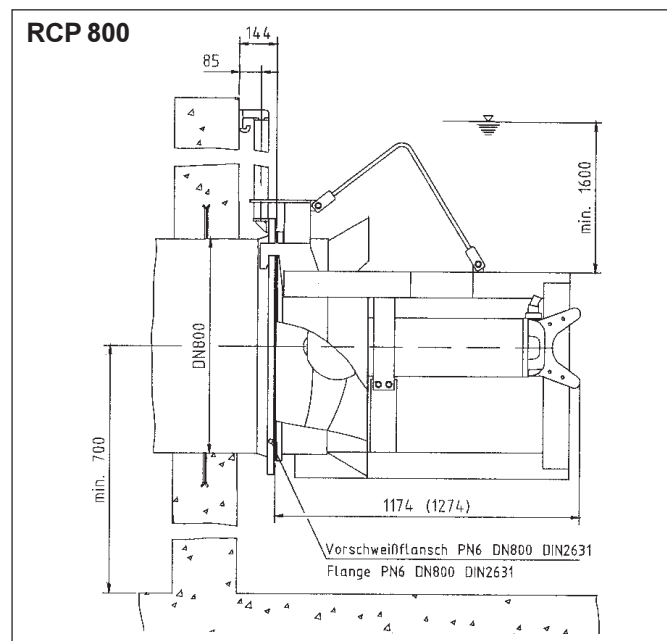
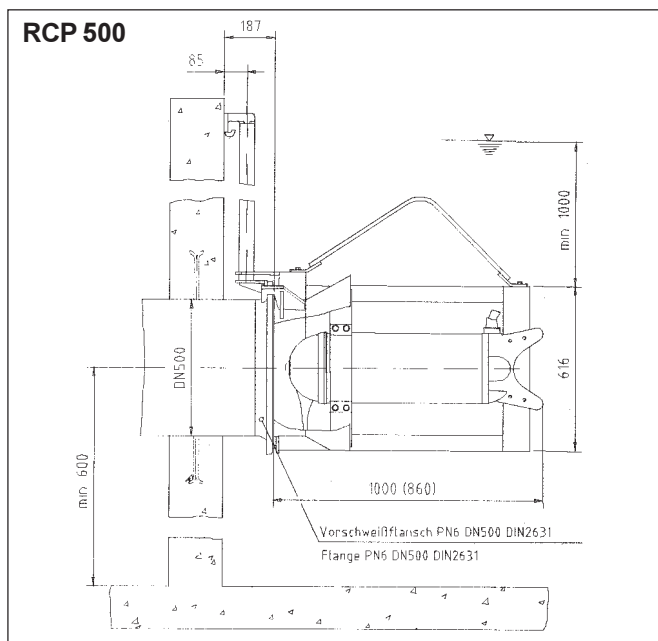
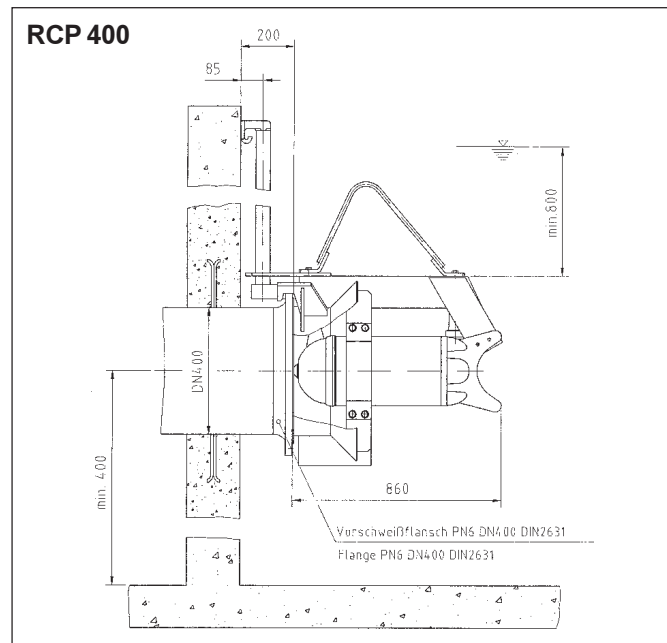
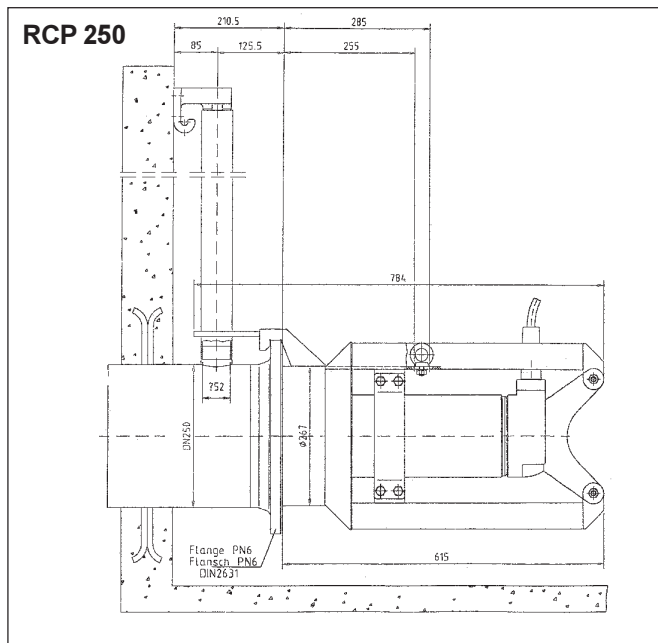
- ① Rotatable, portable lifting frame SD with rope hoist
- ② Tank wall
- ③ Guide tube
- ④ Automatic coupling system
- ⑤ Recirculation pump RCP
- ⑥ Pipe line with flange PN 6 DIN 2631 (supplied by customer)

Recirculation Pumps RCP



Recirculation Pumps RCP

Dimensions



We reserve the right to make changes in the course of technical development.

ABS
A company in the Cardo Group

Austria: Tel.+43 2236 64261,65 Fax+43 2236 64266	Denmark: Tel.+45 42 48 52 55 Fax+45 42 48 60 88	Germany: Tel.+49 2246 13 0 Fax+49 2246 13 200	Hungary: Tel.+36 1 209 1150 Fax+36 1 209 1022	Norway: Tel.+47 67 55 47 00 Fax+47 67 55 47 50	South Africa: Tel.+27 11 397 1612 Fax+27 11 397 1795	U.S.A.: Tel.+1 203 238 2700 Fax+1 203 238 0738
Belgium: Tel.+32 2 725 79 00 Fax+32 2 725 71 19	Estonia: Tel.+372 656 33 98 Fax+372 656 33 85	Germany: Tel.+49 6257 9317 0 Fax+49 6257 9317 99	Ireland: Tel.+353 53 63 200 Fax+353 53 42 335	Poland: Tel.+48 22 63 38 646 Fax+48 22 63 38 644	Sweden: Tel.+46 31 706 1600 Fax+46 31 272 920	International: Head Office Sweden Tel.+46 31 83 63 00 Fax+46 31 18 49 06
Brazil: Tel.+55 41 348 1991 Fax+55 41 348 1879	Finland: Tel.+358 9 506 88 90 Fax+358 9 55 80 53	Great Britain: Tel.+44 1293 82 19 75 Fax+44 1293 82 19 76	Italy: Tel.+39 051 86 10 07 Fax+39 051 86 18 48	Singapore: Tel.+65 46 33 933 Fax+65 46 22 122	Switzerland: Tel.+41 71 694 6555 Fax+41 71 694 6556	www.abspumps.com
Canada: Tel.+1 905 670 4677 Fax+1 905 670 3709	France: Tel.+33 1 49 35 24 50 Fax+33 1 48 54 42 82	Greece: Tel.+30 1 95 325 01 Fax+30 1 95 325 04	The Netherlands: Tel.+31 43 352 50 50 Fax+31 43 363 33 95	Spain: Tel.+34 91 670 28 51 Fax+34 91 666 58 68	Turkey: Tel.+90 216 455 2256 Fax+90 216 455 2265	

ABS - FOR COST-EFFECTIVE PUMPING