



Pump and  
Partners



# Submersible Sewage Pump

REAL

CHINA PUMP  
CONSULTANCY

Sewage pumping stations

Wastewater treatment plants

Raw/potable water intake and distribution

Industry/corrosive liquids

Large-scale buildings

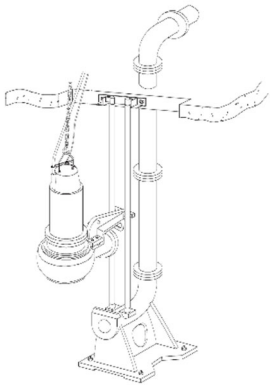
Building facilities

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- **Horizontal installation allowed**
- **Dry well installation with cooling jacket available**
- **Various material variants**
- **Different impeller type for all applications**
- **Optimized hydraulics and structure**

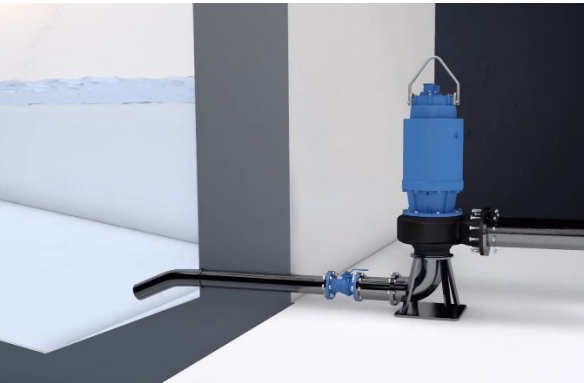
Submersible sewage pump is designed with non-clog impeller, excellent sealing of motor and cable, and necessary protections for wastewater treatment, storm water control, water supply and drainage in other industries. There are several installation methods, auto-coupling installation, fixed duck foot installation, portable installation and dry-well type fixed installation (vertical and horizontal).



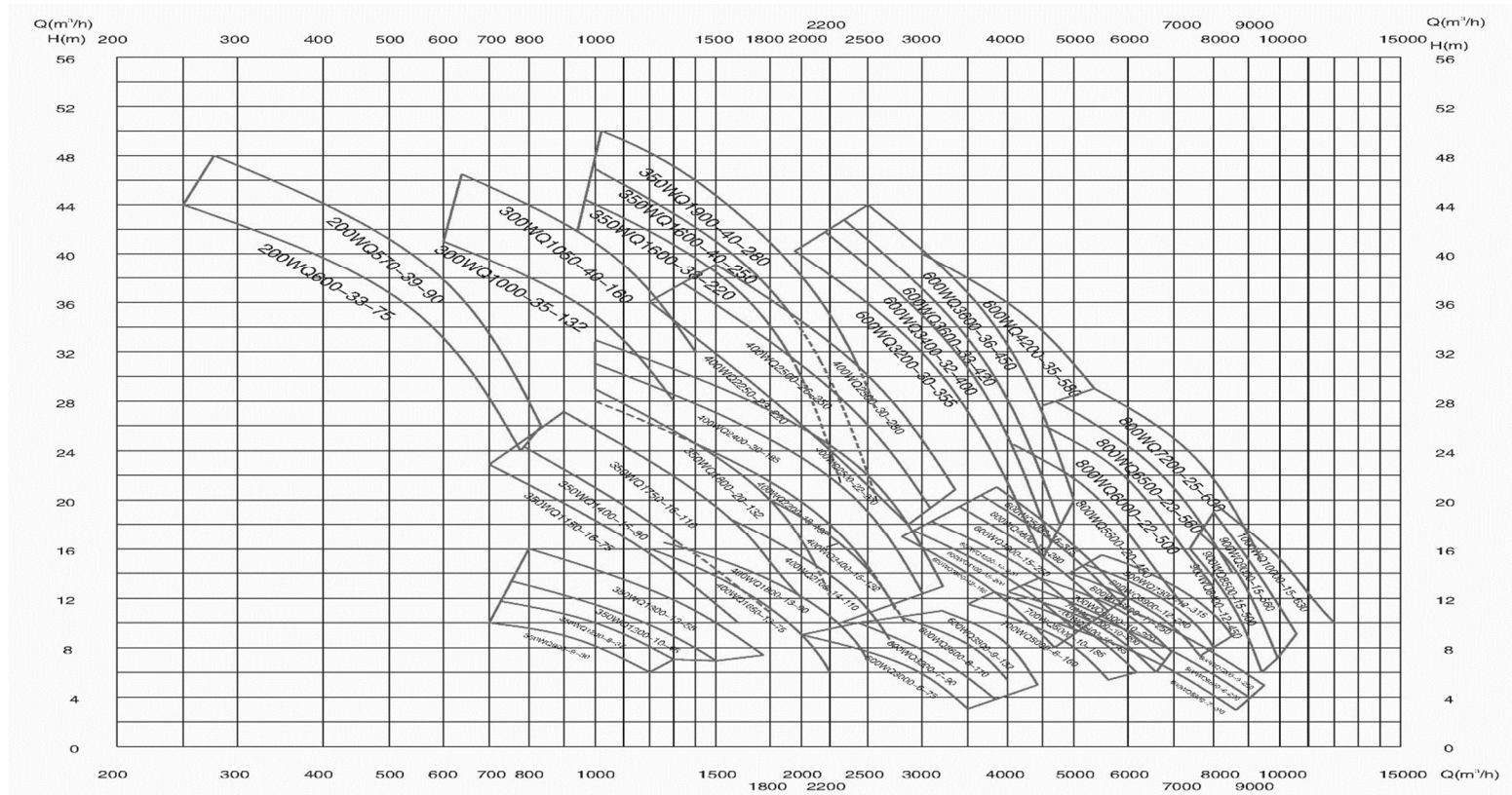
Dry well installation requires a cooling jacket surrounding motor to cool with external clean water or sealed oil, which allow dry running and avoid problems when dry well is flooded.

## Typical application areas

- Sewage pumping stations
- Wastewater treatment plants
- Raw/potable water intake and distribution
- Industry/corrosive liquids
- Large-scale buildings
- Building facilities (car parks, hotel facilities, etc.)



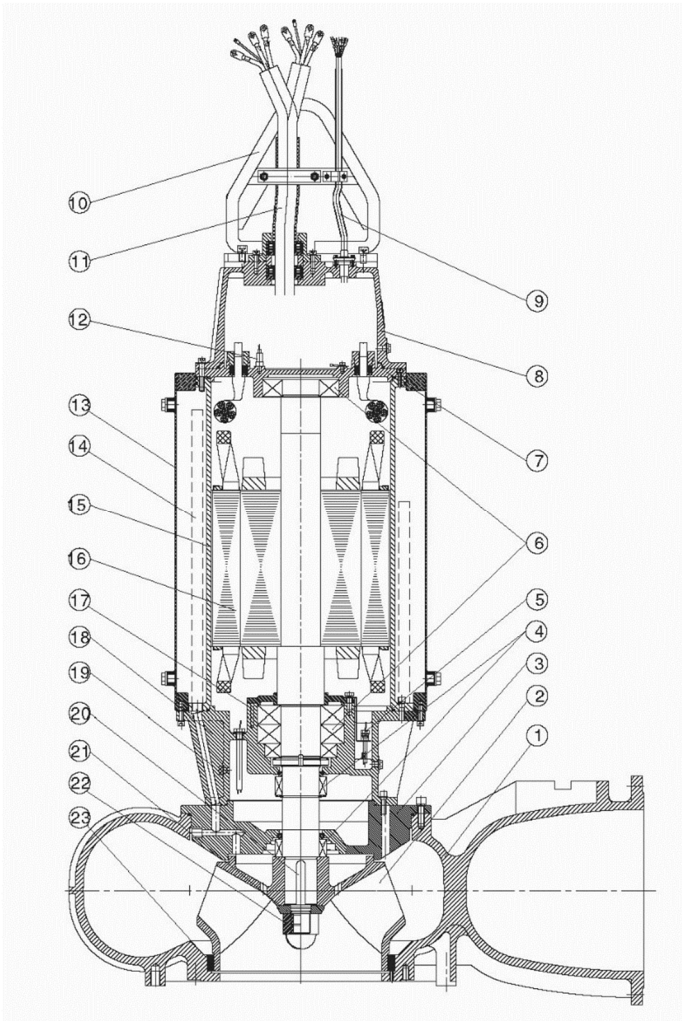
## Performance Range





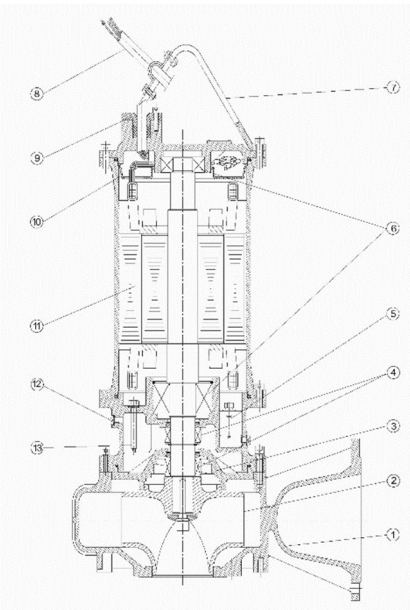


Structures



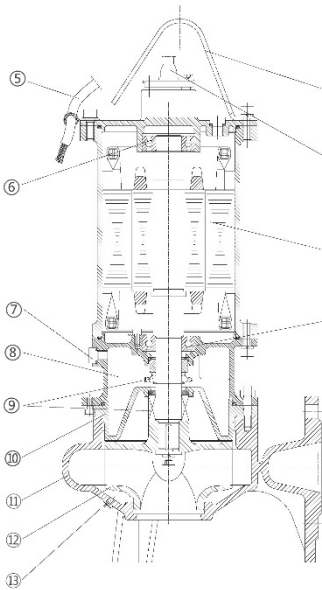
30kW and more

- 1. Casing
- 2. Impeller
- 3. Casing cover
- 4. Mech. Seal
- 5. Leakage detector
- 6. Bearing
- 7. Upper cover
- 8. Terminal box
- 9. Sensor cable
- 10. Lifting handle
- 11. Power cable
- 12. Vibration sensor
- 13. Cooling jacket
- 14. Cooling water coiler
- 15. Motor casing
- 16. Motor
- 17. Bearing temp sensor
- 18. Motor support
- 19. Plug assy.
- 20. Key
- 21. Impeller plate
- 22. Impeller nut
- 23. Wear ring



11-22kW

- 1. Casing
- 2. Impeller
- 3. Casing cover
- 4. Mech. Seal
- 5. Leakage detector
- 6. Bearing
- 7. Lifting handle
- 8. Cable
- 9. Cable seal assy.
- 10. Wiring bracket
- 11. Motor
- 12. Plug assy.
- 13. Leakage detector



Up to 11 kW

- 1. Bearing
- 2. Motor
- 3. Cable seal
- 4. Lifting handle
- 5. Cable
- 6. Bearing
- 7. Plug assy.
- 8. Oil chamber
- 9. Mech. seal
- 10. Casing cover
- 11. Casing
- 12. Impeller
- 13. Stirring hole

**CPP provides several types of hydraulics for different applications:**

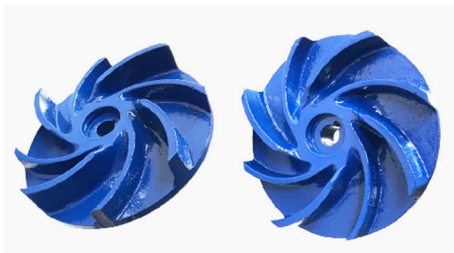
- Normal non-clog type



- Screw-centrifugal type



- Vortex type



- Grinder type



**Monitoring Unit**

In addition to pump, we provide protection module for Water and Waste Water Products provides protection and monitoring of pumps and submersible mixers by all-in-one device for motor temperature measurement, bearing temperature measurement, leakage measurement, vibration measurement and voltage measurement.



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