

Trusted Expertise in Domestic and Commercial Wastewater



Any Project, Any Wastewater Application

Wastewater poses a complex challenge, no matter whether it originates in a single house or a multi-family home, a commercial building or an industrial complex. Whatever the property, Sulzer is the ideal wastewater partner from the start of the project to its final sign-off.





Sulzer has vast experience in the handling of domestic and commercial wastewater. We are dedicated to helping professionals design, select, install and service any type of wastewater system. All the solutions needed to keep a building running smoothly are at our disposal.

Our extensive range of products includes drainage pumps, sewage pumps with Contrablock and vortex hydraulics, prefabricated lifting stations for both internal and external installation, and solutions for monitoring and control. These are the result of advanced R&D, built on an engineering heritage comprising over 100 years of pump design and installation.

Sulzer is synonymous with reliable and efficient pump systems with minimum operating costs. Our solutions come with everything you need, ensuring easy, plug-and-play installation with a minimum of time and set-up.

Domestic applications

Domestic properties pose wastewater challenges both large and small. In addition to waste disposal from toilets, there are diverse sources of drainage and grey wastewater including not only sinks and showers, but also drainage from yards and gardens. The high reliability of Sulzer pumps and lifting stations offer security for both metropolitan and remote properties.

Commercial applications

Commercial properties are more challenging than domestic properties. Their more diverse uses can mean special demands. Sulzer pumps and lifting stations reliably move wastewater with a high proportion of solid or fibrous material, but also chemically contaminated wastewater.

Our Comprehensive Product Portfolio

Product technology	Product name	Application				Motor-related		Product facts on page
		Domestic	Commercial	Effluent	Sewage with Solids	High-efficiency (IE3)	Explosion-proof as standard	
Light drainage pumps	Type ABS Robusta 100, 200 & 300	✓	✓	✓				6
	Type ABS JC 6 & 11	✓	✓	✓				6
	Type ABS WD 300	✓	✓	✓				6
Submersible wastewater pumps	Type ABS AS 0530-0841	✓	✓	✓	✓		●	7
Submersible grinder pumps	Type ABS Piranha 08-26	✓	✓	✓	✓		●	8
	Type ABS Piranha/PE	✓	✓	✓	✓	✓	✓	8
Submersible sewage pumps	Type ABS XFP 2.7 - 40 HP	✓	✓		✓	✓	✓	8
Sewage ejector pump	Type ABS Scavenger EJ	✓	✓		✓			8
Effluent submersible pump	Type ABS Scavenger EF	✓	✓	✓				8
Lift Stations	Type ABS Scavenger Ejector Basin	✓	✓		✓			8
	Type ABS Piranha Package Systems	✓	✓	✓	✓	✓*	✓**	8
	Type ABS Sink Tray System	✓	✓	✓				9
Monitoring and control		✓	✓					9-10

✓ = Standard ● = Optional

*only available with the Piranha PE models

**available as an option

Domestic Effluent

This includes drainage and gray water such as:

- Domestic household wastewater from dishwashers, washing machines, showers, bathtubs and saunas
- Rainwater, groundwater and other lightly polluted water
- Flood water from cellars and clay or concrete pits
- Collected wastewater from containers and drainage pits

Commercial Effluent

This includes drainage and gray waste such as:

- Surface drainage water from underground railways and garages
- Wastewater from apartment complexes and other large residential buildings, hotels, industrial plants, cinemas, theaters, hospitals, pubs and other types of public buildings
- Rainwater, groundwater and other lightly polluted water
- Flood water from cellars and clay or concrete pits
- Collected wastewater from containers and drainage pits

Domestic Sewage

This includes sewage with solids on residential properties.

Commercial Sewage

This includes all solids and sewage on commercial, industrial and public properties.



Product Overview

Light drainage pumps

LIGHT DRAINAGE PUMP TYPE ABS ROBUSTA 100, 200 & 300

FEATURES AND BENEFITS

The Robusta has been designed for pumping clear and wastewater from house, garden or yard and can pump down to a very low water level. It is supplied with built-in level control and check valve and is suitable for manual or automatic operation.

KEY CHARACTERISTICS

Flow	up to 53 USgpm
Head	28 feet
Temperatures	104°F up to 140°F
Discharge	1½"
Maximum speed of rotation	3,400 rpm



SUBMERSIBLE DRAINAGE CENTER-LINE PUMP TYPE ABS JC 6 & 11

FEATURES AND BENEFITS

Submersible drainage pumps JC 6 and JC 11 are ideal for pumping water and dirty water mixed with soil. When delivered to a site you can start using them right away. The low weight and compact design ensure convenient transport, handling, and installation.

KEY CHARACTERISTICS

Flow	up to 95 USgpm
Head	up to 58 feet
Temperatures	up to 140°F
Discharge	2"
Maximum speed of rotation	3,330 to 3,450 rpm



LIGHT DRAINAGE PUMP TYPE ABS WD 300

FEATURES AND BENEFITS

The ABS Water Drainer 300 is appropriate for a multitude of applications such as: construction site drainage, emergency flood water drainage, flooded basements, etc. it is fully assembled with a rugged corrosion-proof housing, manual or automatic operation and treaded plastic adapters for 2" connection.

KEY CHARACTERISTICS

Flow	up to 53 USgpm
Head	28 feet
Temperatures	104°F up to 140°F
Discharge	1½"
Maximum speed of rotation	3,400 rpm



Submersible wastewater pumps

SUBMERSIBLE WASTEWATER PUMP TYPE ABS AS 0530-0841

FEATURES AND BENEFITS

The AS is a robust and reliable submersible pump for the removal of clear water, wastewater, and sewage from buildings and sites. The pump ranges from 1.0 to 3.0 kW, and is suitable for portable as well as stationary installations. Hydraulics with Contrablock or vortex impellers ensure blockage-free operation.

KEY CHARACTERISTICS

Flow	440 USgpm
Head	up to 92 feet
Temperatures	104 °F (maximum 140°F for five minutes)
Discharge	up to 3"
Maximum speed of rotation	1,450 to 2,900 rpm



Submersible grinder pumps

SUBMERSIBLE GRINDER PUMPS TYPE ABS PIRANHA 08-26 / PIRANHA PE

FEATURES AND BENEFITS

Piranha sewage pumps with shredding action provide reliable and economical discharge of effluent under pressure in private municipal and communal schemes. They offer an economical alternative to gravity sewers, and improve environmental protection for pressurized sewer systems.

KEY CHARACTERISTICS

Flow	up to 440 USgpm
Head	233 feet
Discharge	1¼" to 2"



Submersible sewage pumps

SUBMERSIBLE SEWAGE PUMPS TYPE ABS XFP 2.7 - 40 HP

FEATURES AND BENEFITS

Designed for use in standard and network pumping stations. Suitable for both wet and dry installation submersible sewage pump type ABS XFP models PE1 to PE3 (80C to 201G) using premium-efficiency IE3 motors. The XFP pumps offer significant energy saving using IE3 motors, excellent rag handling, long-term reliability and a future proof design.

KEY CHARACTERISTICS

Flow	up to 3,487 USgpm
Head	up to 265 feet
Discharge	3" to 8"



Sewage ejector pump

SEWAGE EJECTOR PUMP TYPE ABS SCAVENGER EJ

FEATURES AND BENEFITS

Designed for pumping raw water, wastewater, and sewage from buildings and sites in both domestic and commercial areas. Free solids passage up to 3 inch / 76 mm. The pump and motor section form a pressure-tight encapsulated unit which is fully flood-proof. Low noise operation and reduced maintenance costs.

KEY CHARACTERISTICS

Flow	up to 620 USgpm
Head	up to 70 feet
Temperature	104 °F (maximum 140 °F for five minutes)
Discharge	2" to 4"
Maximum speed of rotation	1750 rpm



Effluent submersible pump

EFFLUENT SUBMERSIBLE PUMP TYPE ABS SCAVENGER EF

FEATURES AND BENEFITS

Submersible pumps designed to remove clean water and wastewater containing solids up to 3/4 inch. The pump and motor section form a pressure-tight encapsulated unit which is fully flood-proof. Portable and lightweight, the pump type ABS Scavenger EF is suitable for both manual and automatic operation. Low noise operation and reduced maintenance costs.

KEY CHARACTERISTICS

Flow	up to 171 USgpm
Head	up to 108 feet
Temperature	104°F (maximum 140°F for five minutes)
Discharge	1 1/4" to 2"
Maximum speed of rotation	3,450 rpm



Lifting stations

LIFT STATION TYPE ABS SCAVENGER EJECTOR PACKAGE

FEATURES AND BENEFITS

The Type ABS Scavenger Ejector Package is a molded plastic basin assembly used for removal of domestic wastewater. Fitted with a single type ABS Scavenger Ejector pump, it is ideal for applications where gravity discharge into the sewer is not possible.



LIFT STATION TYPE ABS PIRANHA PACKAGE SYSTEM

FEATURES AND BENEFITS

The Type ABS Piranha Package System was specifically developed for reliable and economical removal of domestic wastewater into a pressurized system. Available in simplex or duplex for indoor or outdoor installation, the system includes a prefabricated tank, grinder pump, control panel and float.



LIFT STATION TYPE ABS SINK TRAY

FEATURES AND BENEFITS

The sink tray systems are designed to eliminate water from laundry trays, dehumidifiers, Washing machines, wet bars, water softener, etc. The system comes fully assembled and installs above the floor for easy installation.



Monitoring and controls

CONTROL AND MONITORING SYSTEM TYPE ABS OIL ALERT SYSTEM

FEATURES AND BENEFITS

Designed to pump water out of elevator sump pits, transformer vaults and leachate wells while containing the oil or hydrocarbons in the pumping tank, The complete system includes a submersible effluent pump with 20' of cable, NEMA 4x oil alert simplex control panel with present level sensor and remote alarm with auxiliary contacts.



LEAKAGE RELAY TYPE ABS CA 461

FEATURES AND BENEFITS

CA 461 is designed to detect leakage in pumps and mixers. The amplifier is housed in a norm enclosure fitted for DIN-rail mounting. The unit is available in two executions, 24 VDC or 110-230 VAC supply.



TEMPERATURE & LEAKAGE RELAY TYPE ABS CA 462

FEATURES AND BENEFITS

CA 462 is designed to detect temperature and leakage in pumps and mixers. The amplifier is housed in a norm enclosure fitted for DIN-rail mounting. The unit is available in two executions, 24 VDC or 110-230 VAC supply.



PUMP CONTROLLER TYPE ABS PC 242

FEATURES AND BENEFITS

The PC 242 is a two-pump controller designed mainly for use in either gravitation or pressurized municipal wastewater pumping stations. It has many advanced features to minimize costs in the pumping station throughout its entire life cycle. The graphic color display enables intuitive menu navigation with arrow buttons. It has an 8-channel analog data logger (2 weeks capacity), and provides a one-week history on counters and accumulators (run time, start count and flow), as well as a time stamp on up to 4,000 pump and alarm events.



PUMP CONTROLLER TYPE ABS PC 441

FEATURES AND BENEFITS

The PC 441 is a monitor and controller for one to four pumps, designed mainly for use in municipal wastewater pumping stations. The PC 441 has many advanced features to minimize operating costs and increase the availability of the pumping station throughout its life cycle. The graphic color display enables intuitive menu navigation with arrow buttons. It has an 16-channel analog data logger (2 weeks capacity), and provides a one-week history on counters and accumulators (run time, start count and flow), as well as a time stamp on up to 4,000 pump and alarm events.



Sensors

PRESSURE SENSOR TYPE ABS MD 124

FEATURES AND BENEFITS

The MD 124 is a 4-20 mA loop-powered pressure sensor. It has a robust construction and is easily mounted on a standard 35 mm DIN rail. MD 124 is ideal for measuring liquid levels using the "bubble tube" principle.



SUBMERSIBLE PRESSURE SENSOR TYPE ABS MD 126

FEATURES AND BENEFITS

The MD 126 is a high-accuracy submersible hydrostatic level sensor. Encapsulated in stainless steel and resistant to sewage water, it is designed to measure levels in liquids such as storm water and wastewater in sump pumps. When connecting the 2-wire loop powered sensor in series with a DC power supply, the MD 126 gives a 4 to 20 mA output signal which is proportional to the level of the liquid.



SUBMERSIBLE PRESSURE SENSOR TYPE ABS MD 127

FEATURES AND BENEFITS

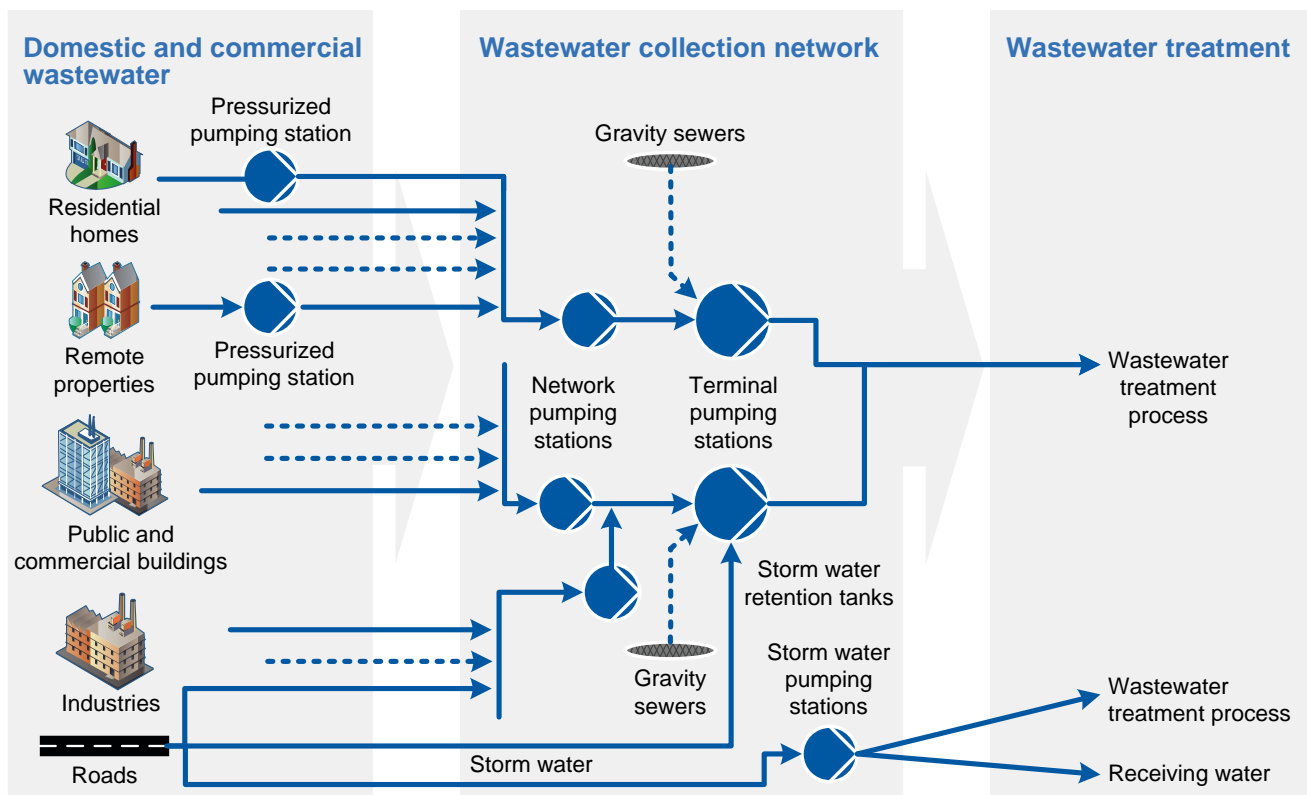
MD 127 is a sewage water resistant, stainless steel encapsulated, submersible, hydrostatic level sensor of very high accuracy and over pressure capability. It is designed for level measurement in liquids like stormwater and wastewater in pump sumps. When connecting the 2-wire loop powered sensor in series with a DC power supply, the MD 127 gives a 4 to 20 mA output signal which is proportional to the level of the liquid.



Trusted Expertise in Domestic and Commercial Wastewater

Sulzer offers solutions for quick and effective collection of wastewater from residential and public properties, and for transferring it to the municipal wastewater network. Small wastewater pumps, lifting stations, prefabricated pumping stations and equipment for monitoring and control are all a part of the process.

Wastewater collection process



ABSEL – Sulzer’s Wastewater Pump Selection Program

With ABSEL, you can select specific pumps by configuring the application area, pump series and duty point using the “Hydraulic Selection” function. Alternatively, you can navigate through our pump offering by using the “Pump Browser”.

Once you have selected a pump, you have the option to download complete product information in PDF format with pump and motor performance curves, a product description, dimensional drawings, operational cost calculations and data sheets.

You can also run a friction loss calculation on dry or wet well applications using the “PipeCalc” function. The “PipeCalc” database contains a wide variety of predefined pipes and fittings such as elbows, valves, transition pieces, inlets and outlets. To provide a first calculation in seconds, the “PipeCalc” function offers you a predefined piping arrangement in a pumping station.



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