

### ZFn horizontal volute type process pump

#### Features and benefits

- Basic design according API 610 latest edition
- Casing designed for higher nozzle loads to comply with nuclear requirements
- Proven hydraulic design from our API 610 pump range ZE/ZF
- Enlarged shaft diameter compared to API 610 to match nuclear requirements
- Low rotor bending
- High dry running critical speed
- Designs according to RCC-M available

#### Key characteristics

Capacities	up to 2'600 m <sup>3</sup> /h / 11'440 USgpm
Heads	up to 300 m / 1'000 ft.
Pressures	up to 100 bar / 1'450 psi
Temperatures	up to 425°C / 800°F

#### Applications

- Safety related services



## Submersible pumps

### Submersible sewage pumps type ABS XFP

#### Features and benefits

- Premium Efficiency IE3 motor in accordance with IEC 60034-30
- Excellent rag handling
- Specially designed impellers for reliable delivery of wastewater containing solids and fibrous material
- Hazardous locations: Approval for ATEX ATEX (Ex II 2G Ex h db IIB T4 Gb), FM and CSA available
- Quick and easy installation, safe operation, easy maintenance and service

#### Key characteristics

Capacities	up to 2'700 l/s (50 Hz) / 3'000 l/s / 47'560 USgpm (60 Hz)
Heads	up to 80 m (50 Hz) / 95 m / 310 ft. (60 Hz)
Temperatures	up to 40°C / 104°F
Motor power	up to 550 kW (50 Hz) / up to 620 kW / 830 hp (60 Hz)

#### Applications

- Clean water and wastewater
- Sewage with sludge and rag content
- Sewage containing solids and fibrous material
- Industrial raw water
- Municipal combined sewage and storm water systems



### Submersible mixed flow column pump type ABS AFLX

#### Features and benefits

- Premium Efficiency IE3 motor in accordance with IEC 60034-30
- Highly efficient three-to five-blade open-type mixed flow impellers
- Low-vibration design and low-NPSH design
- Automatic self-centering of the pump and column pipe with a conical coupling ring
- Hazardous locations: Certification for ATEX (Ex II 2G Ex h db IIB T4 Gb), FM and CSA available as an option

#### Key characteristics

Capacities	up to 3'100 l/s / 49'000 USgpm
Heads	up to 35 m (50 Hz) / 33 m / 108 ft. (60 Hz)
Temperatures	up to 40°C / 104°F
Motor power	up to 500 kW (50 Hz) / up to 468 kW / 628 hp (60 Hz)

#### Applications

- Storm water protection, irrigation and aquaculture
- Industrial raw water and process water
- Combined sewage and surface water
- Recirculation sludge or return activated sludge (RAS)
- Hazardous locations



### Submersible propeller pump type ABS VUPX

#### Features and benefits

- Premium Efficiency IE3 motor in accordance with IEC 60034-30
- Versatile range of axial-flow propellers
- Low-vibration design and Low-NPSH design
- Automatic self-centering of the pump and column pipe with a conical coupling ring
- Hazardous locations: certification for ATEX (Ex II 2G Ex h db IIB T4 Gb), FM and CSA available as an option

#### Key characteristics

Capacities	up to 7'000 l/s (50 Hz) / 8'500 l/s / 134'700 USgpm (60 Hz)
Heads	up to 10 m / 33 ft.
Temperatures	up to 40°C / 104°F
Motor power	up to 650 kW (50 Hz) / up to 750 kW / 1'005 hp (60 Hz)

#### Applications

- Storm water protection, irrigation and aquaculture
- Industrial raw water and process water
- Combined sewage and surface water
- Recirculation sludge or return activated sludge (RAS)
- Hazardous locations



### Submersible sewage pump type ABS AFP

#### Features and benefits

- Excellent rag handling
- Specially designed impellers for reliable delivery of wastewater containing solids and fibrous material
- Hazardous locations: approval for ATEX (Ex II 2G Ex h db IIB T4 Gb), FM and CSA available
- Quick and easy installation, safe operation, easy maintenance and service

#### Key characteristics

Capacities	up to 2'470 l/s (50 Hz) / 2'800 l/s / 44'400 USgpm (60 Hz)
Heads	up to 67 m (50 Hz) / 94 m / 308 ft. (60 Hz)
Temperatures	up to 40°C / 104°F
Motor power	550 kW (50 Hz) / 600 kW / 805 hp (60 Hz)

#### Applications

- Clean water and wastewater
- Sewage with sludge and rag content
- Sewage containing solids and fibrous material
- Industrial raw water
- Municipal combined sewage and storm water systems



### Submersible wastewater pump type ABS AS

#### Features and benefits

- Hydraulic design with Contrablock system or vortex impellers
- Two- and four-pole design
- Passage of solids from 40 to 80 mm
- Automatic coupling system

#### Key characteristics

Capacities	up to 110 m <sup>3</sup> /h / 520 USgpm
Heads	up to 28 m / 115 ft.
Temperatures	40°C up to 60°C (max. 5 minutes) / 104°F up to 140°F (max. 5 minutes)
Motor power	1.2–3.0 kW / 1.8–3.5 kW / 1.61–4.02 hp / 2.41–4.69 hp

#### Applications

- Sewage and wastewater with toilet waste
- Two-inch version especially suitable for pumping wastewater from underground garages
- Vortex hydraulics
- Particularly suitable for fluids containing fibrous or abrasive matter
- Contrablock hydraulic system for larger proportions of solid or fibrous matter



### Light drainage pump type ABS Coronada

#### Features and benefits

- Fitted with automatic level control
- Supplied with built-in check valve
- Coronada SX available with a high-grade, stainless steel shaft, Viton seals, and PVC cable

#### Key characteristics

Capacities	up to 9 m <sup>3</sup> /h
Heads	up to 7 m
Temperatures	40°C up to 60°C (max. 5 minutes)
Motor power	0.3 kW

#### Applications

- Wastewater without toilet waste
- Drainage of pits, swimming pools, and flooded cellars
- Removal of nuisance water from gullies or pedestrian underpasses
- Coronada SX for aggressive wastewater



### Light drainage pump type ABS IP

#### Features and benefits

- Fitted with automatic level control
- Stainless steel pump for corrosive media with vortex hydraulics
- Passage of solids 30 mm
- Standard version with high grade stainless steel, Viton seals and PVC cable

#### Key characteristics

Capacities	up to 18 m <sup>3</sup> /h
Heads	up to 11 m
Temperatures	40°C up to 60°C (max. 5 minutes)
Motor power	1.1 kW

#### Applications

- Pumping of aggressive media, as well as clear and rain water
- Blockage-free pumping of liquids containing a high proportion of solid or fibrous matter
- Dewatering of buildings and sites
- Emptying or filling of containers
- Suitable for use in septic tanks, for emptying flooded cellars, and for drainage



### Light wastewater pump type ABS MF 154-804

#### Features and benefits

- With or without automatic level control
- Compact shape, fittings for easy mounting, and small sump requirements enable a quick and cost-effective installation

#### Key characteristics

Capacities	up to 56 m <sup>3</sup> /h
Heads	up to 16 m
Temperatures	40°C up to 60°C (max. 5 minutes)
Motor power	0.42–1.8 kW

#### Applications

- Removal of wastewater without toilet waste and rainwater
- Pumping of flooded cellars
- Removal of nuisance water from gullies or pedestrian underpasses
- Pumping of fluids containing gaseous or abrasive particles, thanks to vortex hydraulics



### Light wastewater pump type ABS MF 154 HW

#### Features and benefits

- Compact shape, fittings for easy mounting, and small sump requirements enable a quick and cost-effective installation
- Designed to cover a wide range of internal and external dewatering applications

#### Key characteristics

Capacities	9 m <sup>3</sup> /h
Heads	7.8 m
Temperatures	80°C
Motor power	0.42–1.8 kW

#### Applications

- Pumping of high temperature discharge water from laundries, commercial washing machines etc.
- Filling and emptying of containers, drainage of flooded cellars and removal of rainwater
- Suitable for pumping of fluids containing gaseous or abrasive particles



### Submersible grinder pumps type ABS Piranha

#### Features and benefits

- Unique Piranha shredding system
- Automatic coupling system
- Piranha PE with Premium Efficiency IE3 motor
- Two and four-pole design
- Multi-stage high head 60 Hz version with shredding system available

#### Key characteristics

Capacities	up to 21 m <sup>3</sup> /h / 122 USgpm
Heads	up to 71 m / 265 ft.
Temperatures	40°C up to 60°C (max. 5 minutes) / 104°F up to 140°F (max. 5 minutes)
Motor power	1.0–11.0 kW / 1.34–16.8 kW / 1.34–14.74 hp / 1.80–22.52 hp

#### Applications

Sewage removal from living units and houses in remote settlements where:

- The laying of a conventional sewer would be too expensive
- Large ground undulations are present
- It is only possible to lay small-diameter pipe lines



### Light drainage pump type ABS Robusta

#### Features and benefits

- Fitted with automatic level control
- Supplied with built-in check valve
- 10 m / 33 ft. cable with plug
- Suitable for small sumps from 300 x 300 mm / 11.8 x 11.8 in.
- Detachable suction ring. When fitted into the screen, enables pumping down to 3 mm / 0.12 in

#### Key characteristics

Capacities	up to 14 m <sup>3</sup> /h / 58 USgpm
Heads	up to 8.8 m / 30 ft.
Temperatures	40°C up to 60°C (max. 5 minutes) / 104°F up to 140°F (max. 5 minutes)
Motor power	0.36–0.50 kW / 1/4–1/3–1/2 hp

#### Applications

- Pumping clear and wastewater from house, garden or yard





### Submersible recirculation pump type ABS XRCP

#### Features and benefits

- Strongly designed for high reliability
- Premium Efficiency motor ensures lowest possible energy consumption
- No maintenance – lubricated for life
- Hydraulic-optimized stainless steel propeller ensures highest possible mixing performance

#### Key characteristics

Capacities	up to 1.68 m <sup>3</sup> /s (50 Hz) / 1.68 m <sup>3</sup> /s / 25'680 USgpm (60 Hz)
Heads	up to 1.63 m / 4.7 ft.
Temperatures	up to 40°C / 104°F
Motor power	25 kW (50 Hz) / 25 kW / 33.5 hp (60 Hz)

#### Applications

- Pumping and recirculation of activated sludge in sewage treatment plants
- Pumping of storm water
- Pumping of surface and river water
- Hazard locations: Certification for ATEX (Ex II 2G k Ex d IIB T4), FM and CSA as option



### Submersible recirculation pump type ABS RCP

#### Features and benefits

- Compact design
- Maintenance friendly
- High hydraulic efficiencies
- High operation reliability
- Simple installation

#### Key characteristics

Capacities	1.25 m <sup>3</sup> /s (50 Hz) / 1.25 m <sup>3</sup> /s / 19'800 USgpm (60 Hz)
Heads	up to 1.8 m / 6 ft.
Temperatures	up to 40°C / 104°F
Motor power	22 kW (50 Hz) / 25 kW / 33.5 hp (60 Hz)

#### Applications

- Pumping and recirculation of activated sludge in sewage treatment plants
- Pumping of storm water
- Pumping of surface and river water
- Hazardous locations: certification for ATEX (Ex II 2G k Ex d IIB T4), FM and CSA as option

