

Tonkaflo Pumps

SS Series

Multistage Centrifugal Pumps for RO & High-Pressure Water Treatment

OVERVIEW

The Tonkaflo SS Series is a multistage centrifugal pump designed for continuous-duty industrial water handling, specifically engineered for reverse osmosis feed and booster service. The pump features a 304 or 316 stainless steel outer shell and a Noryl thermoplastic impeller and diffuser stack, providing corrosion resistance and dimensional stability across a wide pH range. The separate bearing frame design isolates the motor from the pump head, preventing process fluid from reaching the motor bearings and extending service life. This pump is considered the industry standard for RO systems due to its reliable non-metallic internals, which resist scaling and chemical attack. The SS Series delivers flow rates up to 200 gallons per minute (GPM) and pressures up to 500 pounds per square inch (PSI), depending on the model and stage count. Manufacturer specifications indicate a maximum operating temperature of 180 degrees Fahrenheit (82 degrees Celsius) and a maximum working pressure of 500 PSI for standard configurations. The pump is available with either 304 or 316 stainless steel wetted shells, allowing selection based on feed water chloride content and corrosion requirements. The design complies with Hydraulic Institute standards for mechanical reliability.

APPLICATIONS

- Reverse osmosis feed pumping for seawater and brackish water desalination
- Reverse osmosis booster pumping to increase pressure between membrane stages
- High-pressure water treatment for industrial deionization and softening systems
- Boiler feed water pumping for low-capacity steam generators
- Process water systems requiring consistent high pressure for manufacturing
- Water purification systems for pharmaceutical and electronics production
- Industrial water systems including filtration, recirculation, and transfer applications

REQUEST A QUOTE

Purecowater

*Your Next Industrial Filtration Project
Made Simple.*

EMAIL US

info@purecowater.com

CALL US

+1 (513) 817-1422

WEBSITE

www.purecowater.com

Peachtree City, GA

BRANDS WE DISTRIBUTE

- Veolia / SUEZ
- Tonkaflo Pumps
- ErtelAlsop
- LG Membranes
- Fil-trek
- WTS
- Engineered Solutions

**20+ years of industrial filtration
expertise. Contact us for pricing,
sizing & availability.**

Tonkaflo Pumps SS Series



Product Specifications

| | |
|--------------------------|--|
| Manufacturer | Pentair (formerly Osmonics/GE) |
| Series | SS — Stainless Steel Shell, Noryl Internals |
| Flow Range | 1.5 to 500 gpm (0.34 to 113.5 m ³ /h) |
| Max Pressure | Up to 575 psi (39.7 bar) |
| Shell Material | 304 & 316 Stainless Steel |
| Internal Material | Thermoplastic (Noryl) impellers |
| Power | 60 Hz & 50 Hz 1-phase & 3-phase |
| Connections | Victaulic & FNPT options |
| Key Feature | Separate bearing frame — standard motor compatible |
| Distributor | Purecowater — info@purecowater.com |

Contact Purecowater to Order

info@purecowater.com

www.purecowater.com | +1 (513) 817-1422 | Peachtree City, GA

Pricing, availability, sizing assistance, and replacement parts. 20+ years industrial filtration experience.

Purecowater is an authorized distributor and OEM for Veolia/SUEZ, Tonkaflo (Pentair), ErtelAlsop, LG Membranes, Fil-trek, WTS, and Engineered Solutions. Specifications subject to change. Contact Purecowater for current pricing and availability.