



OSMONICS

QS Series

## Tonkaflo® Pumps

**QS**  
**SERIES**  
A quiet series of pumps for  
water boost applications

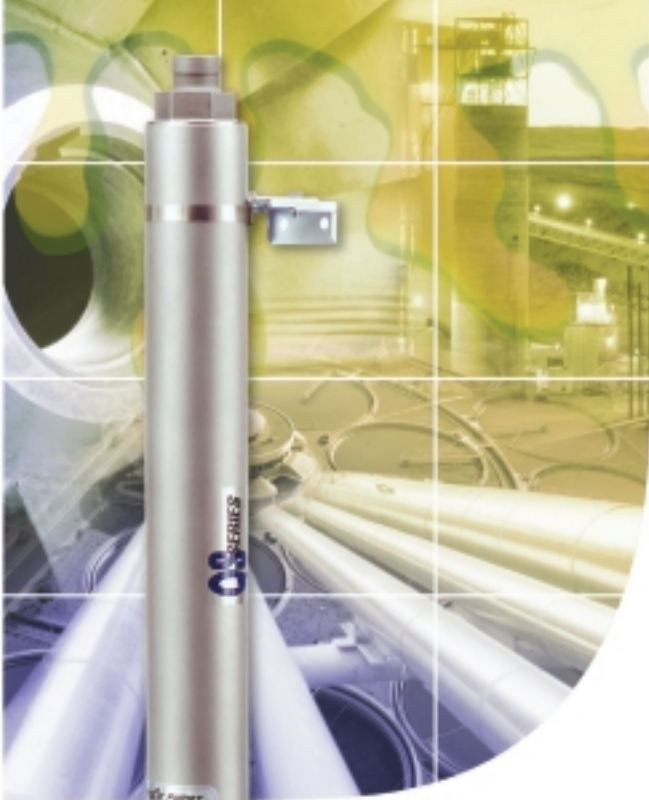
### ■ Tonkaflo® QSV Pumps

The new Tonkaflo QS Series pumps deliver the latest in quiet, trouble-free pump performance. The QSV is a vertical, in-line, multi-stage centrifugal pump driven by a submersible motor integrally-mounted in a flow tube. Engineered so that feedwater both cools the motor and creates a sound-dampening jacket, the QSV is ideal for any installation where quiet operation is a must.

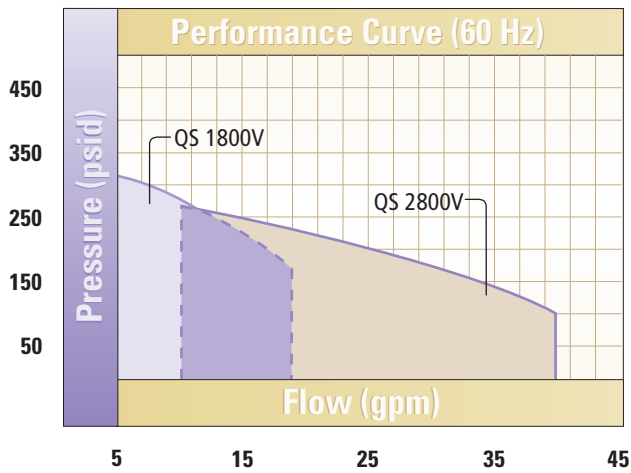
Specifically designed to meet the challenges of commercial reverse osmosis (RO) machine applications like dialysis pretreatment, QSV pumps also excel in applications such as water boost and recirculation in offices or commercial buildings.

### ■ Features and Benefits

- **Integral, Submersible Motor** is as quiet as 75 dBA or less, and requires no air flow or venting to operate.
- **Modular Flange Design** offers simplified field service, convenient replacement of either pump or motor, and fast installation that requires no coupling alignment.
- **Double-Sealed Electrical Conduit** keeps wiring dry and protected, eliminating leakage to controls that can lead to electrical shorts and motor damage.
- **Nema-Rated Electrical Junction Box** meets the electrical requirements of almost any application.
- **Sealless Design** requires less maintenance, with no mechanical seal to leak or wear out.
- **Rigid Motor Mount** prevents damage caused by motor spin within the flow tube.
- **Internal Thrust Bearing** eliminates bearing frame lubrication, offering longer life with lower maintenance requirements.
- **Standard Tonkaflo Liquid End** simplifies the specifying and ordering of spare parts.



## Performance Curve (60Hz)

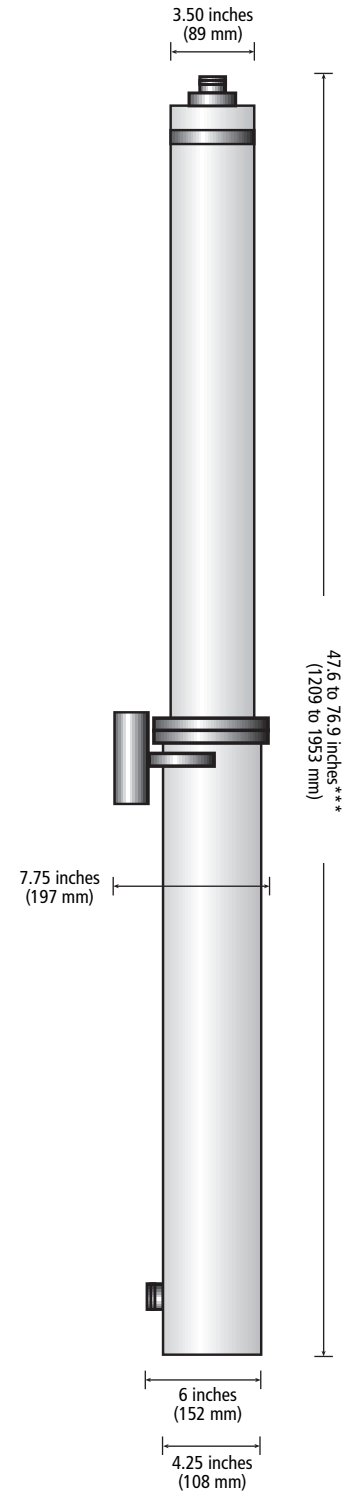


## General Specifications

- Motor:
  - 4-inch (101.6 mm) Submersible Motor
  - 60 Hz 3450 RPM, 50 Hz 2875 RPM
- Mounting: Vertical with Motor Down
- Standard Models Available: (1) 1800 60 Hz      (2) 2800 60 Hz  
 (1) 1800 50 Hz      (1) 2800 50 Hz
- Capacity: 5 to 40 gpm (1.1 to 9.1 m<sup>3</sup>/hr)
- Pressures\*: up to 420 psi (28.97 bar)
- Materials of Construction:
 

Pump Shell/Flow Tube:	316 Stainless Steel
Diffusers and Impellers:	Noryl** Plastic
Shaft:	316 Stainless Steel
Discharge Castings:	316 Stainless Steel
Flange Casting:	316 Stainless Steel
Motor:	316 Stainless Steel and Noryl
Elastomers:	EPDM
- Connections: 1.25-inch (31.75 mm) Victaulic
- Power: 60 Hz: 1-Phase; 230 Volt  
 3-Phase; 208, 230, 460 or 575 Volt  
 50 Hz: 3-Phase; 380 Volt

\* For specific performance data please see individual performance curves.  
 \*\* Noryl is a trademark of GE Company.  
 \*\*\* Dimensions vary by model.



### For More Information:

Call **Osmonics Process Water Group** at **(952) 933-2277** or **(888) 898-6766**, or visit **www.osmonics.com**



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