

January 7<sup>th</sup>, 2026  
 Alfa Laval Quote No. 2512-WWNP-1580699  
 Revision 1



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**Subject: City of Oceanside WWTP  
 Replacement for mfg. no. 21235  
 Sludge Spiral Heat Exchanger**

Alfa Laval is pleased to provide this budgetary quotation for a Spiral Heat Exchanger for the referenced Project.

#### **Sludge Spiral Heat Exchanger**

Alfa Laval Sludge Spiral Heat Exchanger, Model SW, with 107 ft<sup>2</sup> surface area. See attached data sheet and drawing for detailed information.

**Budget Price:** \$85,600 (for quantity of one)  
**Sales Tax:** \$7,062 (8.25% tax)  
**Freight:** \$3,500  
**Total:** \$96,162

- Material of construction is carbon steel SA-516-70.
- Unit will be designed, Fabricated, Tested and Stamped in accordance with the ASME code Section VIII, Div 1.
- Qty. (2) 6" Carbon Steel 150# Flange, Sch. 40 Sludge Inlet and outlet nozzles.
- Qty. (2) 4" Carbon Steel 150# Flange, Sch. 40 Hot Water Inlet and outlet nozzles.
- 1" Sludge channel spacing with no obstructions (pins) through the sludge channel. Tangential sludge entry to promote even disbursement of sludge across channel.
- Qty. (1) Hinged cover for easy access to sludge channel. The water side is welded closed.
- Qty. (1) 4" Cleanout port for easy access to sludge inlet.
- Qty. (2) 2" NPT Backflush connections on Sludge connections
- 1 – 3/8" 3000# coupling drain per hot water channel spiral winding.
- Qty. (1) 1" 3000# coupling sludge side drain located at the lowest point in cover.
- Qty. (1) Hardcopy of approval drawing or electronic submittal and transmission.
- Qty. (1) Hardcopy of standard format data book and e-mail submission.
- Standard packaging for covered indoor storage up to 12 months.

- Standard paint system. Surface preparation includes sandblasting in accordance to SSPC-SP-6. External carbon steel surfaces, except machined surfaces of flanges, painted with International Interlac 789 (single component modified alkyd primer/finish), 4.0 mil minimum, in Alfa Laval blue.

**Not included** in our pricing under this scope are the following:

- Piping, Valves, Temperature or Pressure Gauges
- Insulation
- Anchor bolts
- Field pressure tests
- Field performance tests
- Taxes, Bonds
- Unloading at job-site
- Installation
- Field applied paint

**Shipment:** 24-26 Weeks after receipt of approved drawings.  
Approval drawings shall be submitted 6 weeks ARO

**Validity:** Budgetary Proposal

**Terms:** Subject to Alfa Laval Standard Terms and Conditions

**Payment:** 25% at approval drawings, 75% at delivery, Net 30 days from invoice.

**Freight:** DAP Jobsite. Freight is included in price above.

## **WARRANTY STATEMENT**

1. Warranty is twelve (12) months from startup or eighteen (18) months from shipment, whichever occurs first. Our warranty is for replacement parts only. Labor for installation is the responsibility of the owner. Alfa Laval will provide supervision at its sole discretion for replacement of major parts that fail under the warranty period.
2. Alfa Laval considers the equipment accepted and the warranty to begin:
  - Upon beneficial use of the equipment, or
  - Upon written acceptance of the equipment by the Owner, whichever comes first.

Thank you for this opportunity to provide our proposal for this project. Please feel free to contact me at the number shown below should you have any questions.

Best Regards,

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