

# THERMOGENICS THERM-O-PAC DEAERATORS

Thermogenics Inc.  
6 Scanlon Court, Aurora, ON, Canada, L4G 7B2  
Tel: 905.727.1901 Fax: 905.727.7456  
[www.thermogenics.com](http://www.thermogenics.com)

Thermogenics USA  
4426 Mt Carmel Tobasco Road, Suite A  
Cincinnati, OH, 45244  
Tel: 513.528.0500 Fax: 513.528.0592  
[www.thermogenics.com](http://www.thermogenics.com)

Thermo-O-Pac deaerators are ideally suited for use in small to medium sized steam plants.

Thermogenics will also build custom sized units to fit specific space requirements and special storage capacities. Thermo-O-Pac Deaerators are therefore suited for both retrofit in existing facilities and new installations.

## CAPACITY\*

- 5,000 to 50,000 lbs/hr

\*Higher capacities are available upon request. Please contact Thermogenics.

## PRESSURE

- Standard pressure designs come in 50 psig (3.4 bar), 100 psig (7 bar) and 200 psig (14 bar) options.

## PERFORMANCE

- Produces water with an oxygen content of less than 7 ppb (0.005 cc/L).
- Meets industry performance standard\*

\*As per ABMA's "Deaerator white paper for use with Industrial/Commercial and Institutional Boilers"

## TRIM OPTIONS AND UPGRADES

- PLC Panel Upgrade
  - Multi-communication protocols available
  - VFD on Pumps
- Suction Manifolds
- Discharge Manifolds
- Pump Lead/Lag Control
- Chemical injection
- Stainless Steel Make-Up Water Piping for Reverse Osmosis Applications



## PACKAGES

- Fully packaged systems on stand, or non-packaged systems available.

## DIMENSIONS AND WEIGHTS

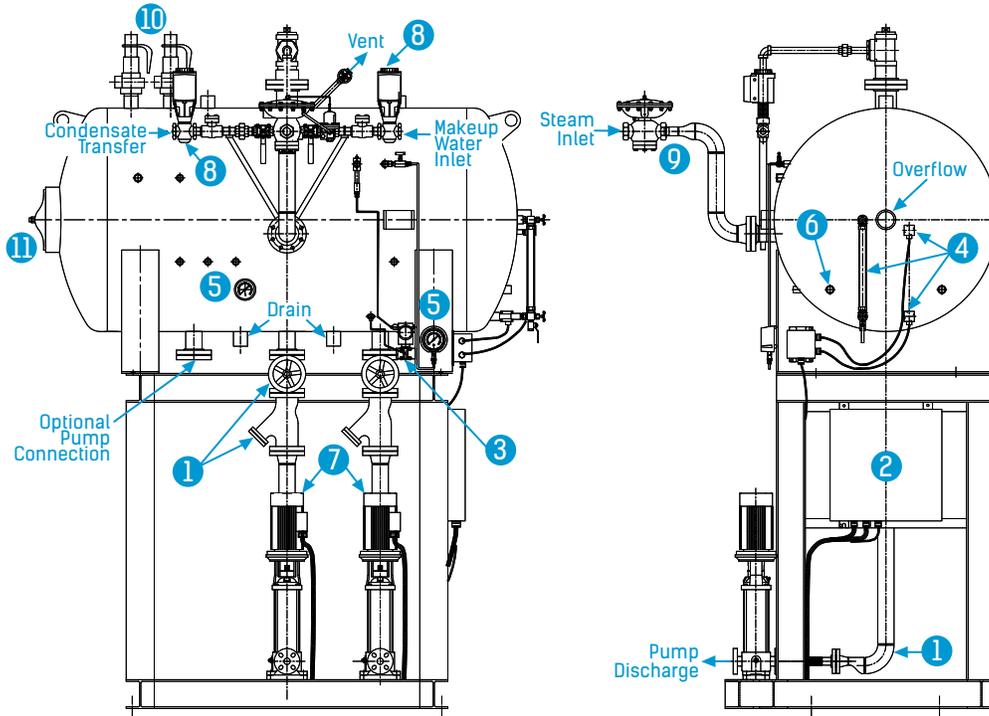
Tank Size <sup>1,2</sup> (Diameter x Length)	Approx. Package Shipping Weight <sup>3</sup>	Approx. Package Flooded Weight <sup>3</sup>
48" x 72"	2,470 lbs	6,650 lbs
48" x 99"	3,750 lbs	10,550 lbs
60" x 142"	5,350 lbs	19,850 lbs
60" x 190"	8,000 lbs	26,260 lbs

1. Custom sizes and capacities are available. Please contact Thermogenics.  
2. Standard 6' tank stand frame provided. Stand height may be customized as per site requirements.  
3. Weights may vary based on quantity and type of pumps, and trim options selected.

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## Therm-O-Pac Packaged Deaerators



1. Standard Pump Suction Piping:
  - Isolation Valve
  - Strainer
  - Welded piping
2. Standard Control Panel:
  - Level Control with Display
  - High/Low Level Alarms
  - Low Level Pump Protection
  - Pumps Starters
  - Local Pump Disconnects
3. Differential Pressure Level Control
4. High/Low Water Protection Probes and Gauge Glass
5. Temperature Indicator & Pressure Gauge
6. Chemical Injection Connection
7. Boiler Feedwater Pumps
8. Make-up Water and Condensate Transfer Control Valves.
9. Steam Inlet with Pressure Reducing Valve
10. Safety Valves
11. Manhole

• An Overflow Trap is included standard and shipped loose to be installed where needed.

## Deaerator and Condensate Typical Flow Schematic

