



Armstrong International, Inc.
Armstrong Condensate Management Group
Condensate Pump Package Specification

Product: TPT-QPT-DD6-LBRPC-24 Low Boy™ Receiver Package

Part 1 General

- 1.01 Summary
- 1.02 Submittals
- 1.03 Delivery, storage and handling
- 1.04 Warranty

Part 2 Products

- 2.01 Pressure Driven Condensate Pump Trap Receiver Package

Part 3 Execution

- 3.01 Installation

Part 1 – General

1.01 Summary

- A. Selection Includes
 - a. Pressure Driven Condensate Receiver Package

1.02 Submittals

- A. Submit the following in accordance with this specification:
 - a. Tag number as referred to on drawing
 - b. Manufacturer's name and model number
 - c. Capacity and Maximum Pressure Ratings
 - d. Materials of construction
 - e. Dimensions and weights
 - f. All other essential data as identified in Owner's specifications.

1.03 Delivery, Storage and Handling

- A. Receipt. Contractor or end user shall receive and store Pump Traps in a manner that will protect them from weather and construction activity.
- B. Examination. Upon receipt, contractor or end user shall visually inspect all condensate Pump Traps for damage and compare each pump to their corresponding specification.

1.04 Warranty. Product shall be free from defects in material and workmanship for a period of one (1) year from date of installation, but not longer than 15 months from date of shipment from the factory. This warranty does not extend to any

product that has been subject to misuse, neglect, or alteration after shipment from Armstrong factory.

Part 2 – Products

2.01 Pressure Driven Condensate Trap/Pump Receiver Package

- A. Acceptable Manufacturers
 - a. Armstrong Intl, Inc. Model TPT-QPT-DD6-LBRPC-24 Low Boy™ Receiver Package
- B. Body shall be an ASME code stamped carbon steel vessel rated to 200 psig @ 400°F with all stainless steel internals. The pump mechanism shall incorporate Inconel X-750 springs for superior service life. Springs made of materials other than Inconel X-750 shall not be accepted. Single compression springs shall not be accepted. Motive and vent connections shall have externally replaceable seats for viewing and inspecting the internal valves.
- C. Motive Force. The Pump Traps shall utilize steam to remove condensate from the receiving vessel.
- D. Internal pump and steam trap mechanisms shall not be integrally linked components for ease of maintenance and repair.
- E. ASME code carbon steel receiver shall measure 24" x 48". Package has 0" fill head, 6" fill head or 12" fill head designs available.
- F. Package shall be pre-piped between the pump inlets and receiver outlet as shown on drawing CD2044, and include isolation valves, bronze or stainless steel NPT check valves and unions.
- G. Pumps shall require no electricity for operation.
- H. The Pump Traps & Receiver shall include a bronze water level gauge with shut off valves.
- I. Manufacturer's standard painting will apply.

Part 3 – Execution:

3.01 Installation

- A. Installation Compliance. Install in accordance with manufacturer's instructions and as shown on the drawing.
- B. Insulation. Install the removable insulation cover in accordance with manufacturer's instructions.