



Armstrong International, Inc.
Armstrong Condensate Management Group
Double Duty™ - 4 Steam Trap and Pump Combination

Product: Double Duty™ - 4 Trap and Pump Combination

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Part 1 – General

1.01 Summary

- A. Selection Includes
 - a. Pressure Driven Steam Trap and Pump Combination

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. Guarantee that the equipment will be free from defects in materials and workmanship for a period of 12 months from date of installation but in no event longer than 15 months after shipment from Armstrong's factory.

Part 2 – Products

2.01 Pressure Driven Steam Trap and Pump Combination

- A. Acceptable Manufacturers
 - a. Armstrong Intl, Inc. Model DD-4
- B. Body shall be constructed of Ductile Iron with all stainless steel internals. Pump shall have an integral (internal) swing check valve. Provide stainless steel check valve (external) for pump discharge. Pump shall have a maximum operating pressure of 72 psig @ 350°F.
- C. Motive Force. The Pump Trap shall utilize steam to remove condensate from the receiving vessel.
- D. Trap/Pump shall require no electricity for operation.
- E. The DD-4 shall include a bronze water level gauge with shut off valves.
- F. Overall height of the trap/pump shall not exceed 10.8".
- G. Provide Trap/Pump with pressure gauge assembly.
- H. 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.