



THE ELIMINATOR

CONDENSATE AND STEAM FUELED WATER HEATERS

Water Heating Packages

Installation and
Operating Instructions

May, 2018

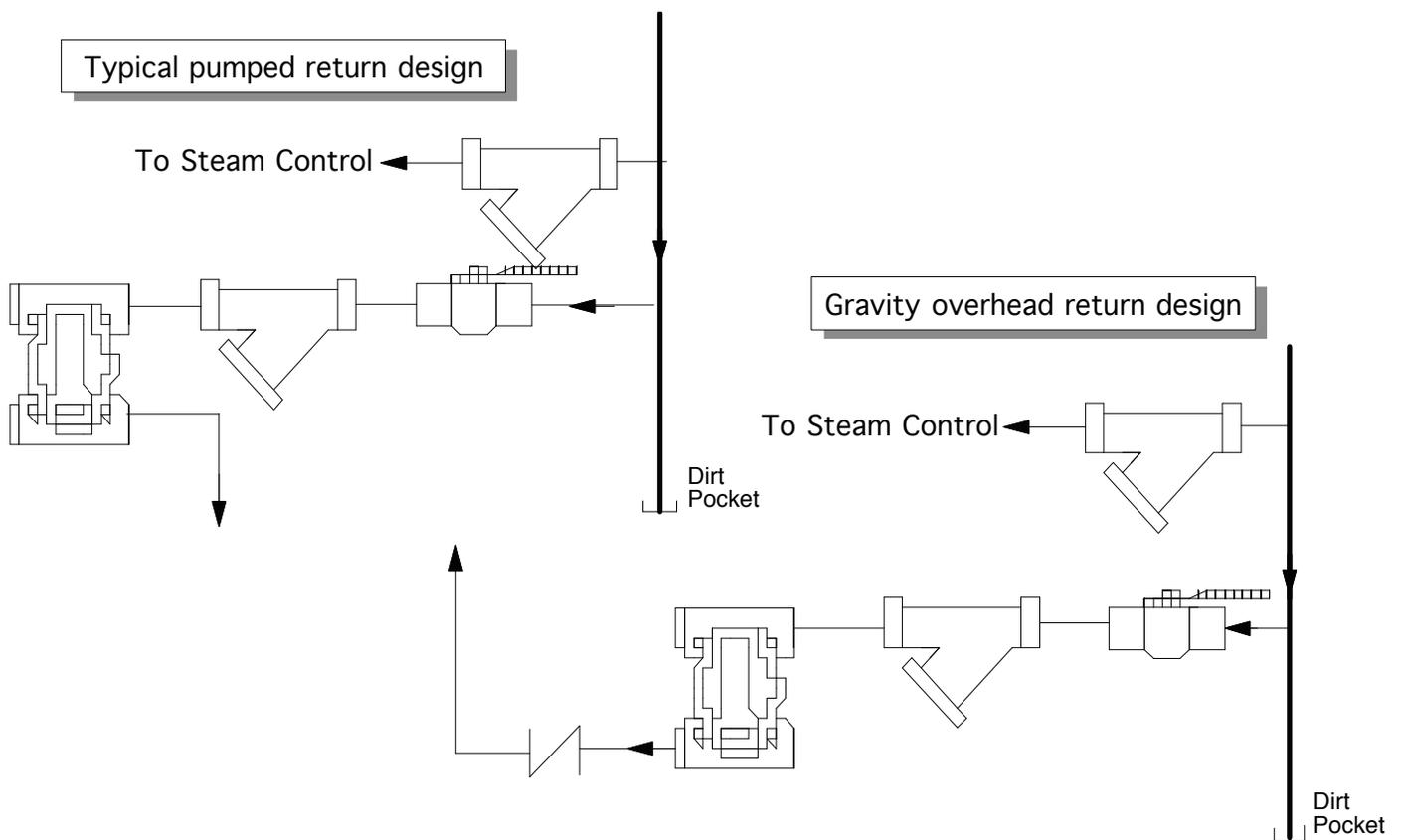
The Eliminator Condensate and Steam Water Heating Packages

Installation and operating instructions

GENERAL—Before making any steam connections confirm that the maximum operating pressure does not exceed any of the materials supplied. Blow down the steam lines that will be leading to the new equipment. Install a dirt pocket in piping ahead of new equipment.

STEAM PIPING—If there is no steam trap located in the steam line near the point you will connect The Eliminator, the addition of a steam trap to remove any accumulated condensate prior to going through the steam control is required. The pipe size feeding this trap should be 1 to 2 pipe diameters larger than the Steam Trap being added. The wye strainer supplied **MUST** be installed ahead of steam control. The steam control should be installed in a horizontal line for best operation. (See detail drawing below)

CONDENSATE PIPING—If the condensate discharge piping from the steam coil side of this system is to be elevated, be sure that adequate differential pressure exists at all times to provide proper drainage and install a check valve in the discharge piping to prevent backflow when not in use. Depending on existing condensate system design and layout a condensate receiver and transfer pump may need to be installed for the return, off of The Eliminator condensate coil. Consult your local distributor or local installer for information on your particular system design.



The Eliminator Condensate and Steam Water Heating Packages

Installation and operating instructions (continued)

MAINTENANCE—All wye strainers in steam lines should be mounted with wye parallel to floor and blown down regularly (frequency based on use and steam system condition). All traps should be inspected and cleaned regularly. The steam control valve seat and disc should be inspected and cleaned regularly.

STEAM TRAP PIPING—Hamilton Engineering uses only Float & Thermostatic Steam Traps after the steam heating coil. All models have multiple inlet and outlet connection points, use the points that provide the best layout while keeping the float assembly in the appropriate installed position. We use Inverted Bucket Steam Traps ahead of the steam coil. This trap is supplied only with our “Deluxe Pre-Plumbed Package.” Piping to the inlet of this trap should be 1 to 2 pipe sizes larger than the trap inlet and must contain a “dirt leg.”

CONTROLS—The Eliminator comes with (1) of (3) control packages:

Over Temperature control package—(for single or dual coil models *using return condensate only*)

This package consists of (1) 1" - 3 way bypass valve, (1) 1" - wye strainer and (1) tank aquastat.

Set the aquastat at the highest water temperature you can allow to feed your washer to get the greatest savings.

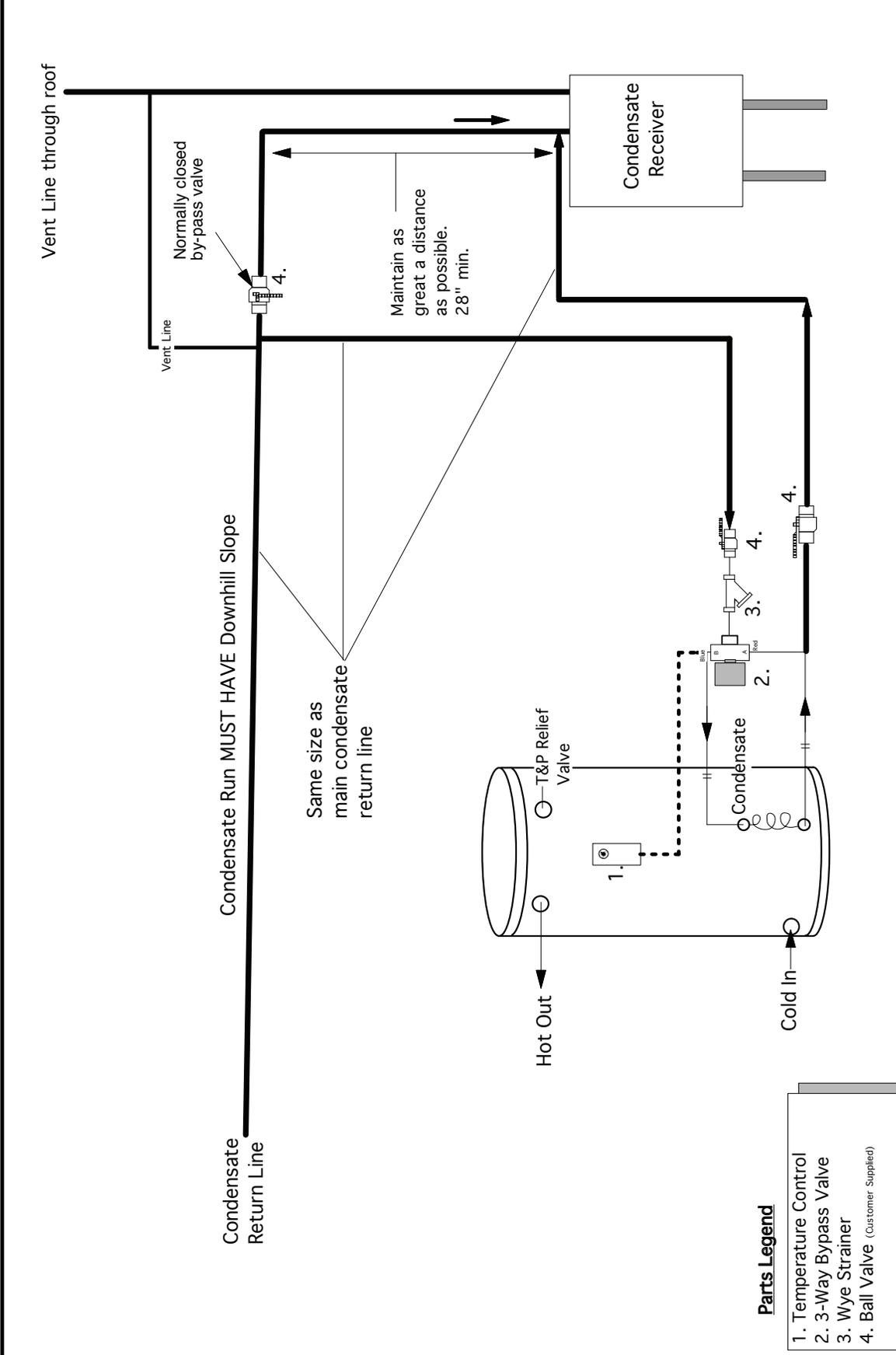
Steam control package—(for single or dual coil models *using steam only*)

This package consists of (1) 1/2" steam solenoid, (1) 1/2" wye strainer, (1) 1/2" steam trap and (1) tank aquastat. Set the aquastat at the desired water temperature to your washer.

Combination control package—(for dual coil models *using condensate and steam*)

This package consists of (1) 3 way bypass valve, (1) 1" wye strainer, (1) 1/2" steam solenoid, (1) 1/2" wye strainer and (2) tank aquastats. Set the high limit portion of the control to the hottest water temperature allowable in your washer to get the greatest savings. Set the low limit (110 volt to steam solenoid) at the lowest water temperature allowable you can supply to the washers for the steam portion of the package.

Wiring diagrams for all of the control packages follow in this package. If you have any questions that your local distributor or installer can't answer, please call us at **800.968.5530**.



Condensate Run MUST HAVE Downhill Slope

Same size as main condensate return line

Parts Legend

- 1. Temperature Control
- 2. 3-Way Bypass Valve
- 3. Wye Strainer
- 4. Ball Valve (Customer Supplied)

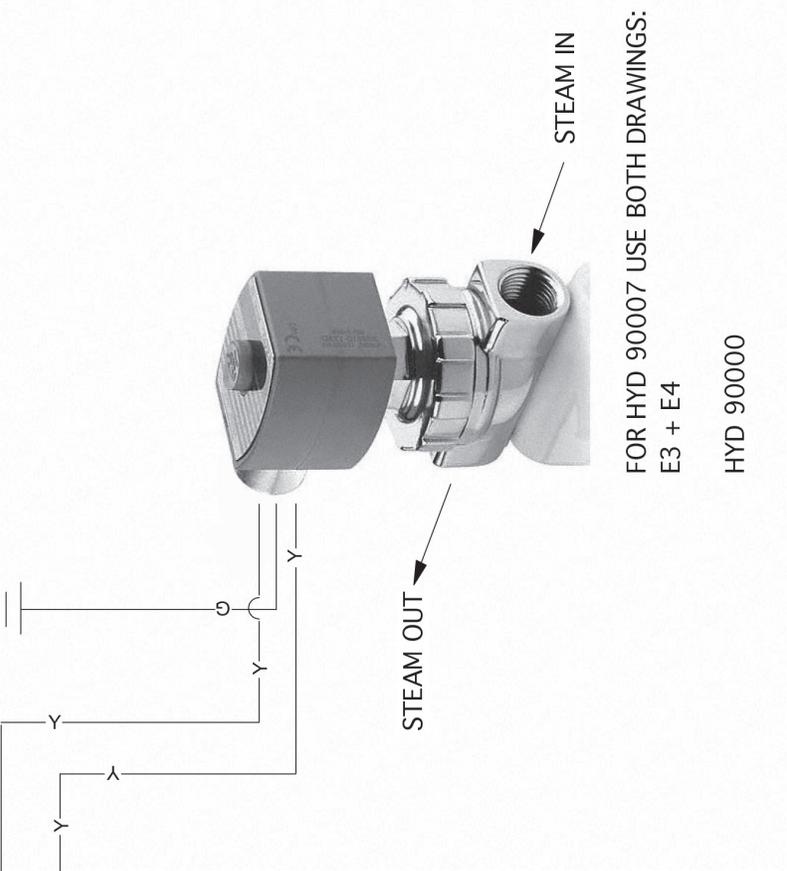
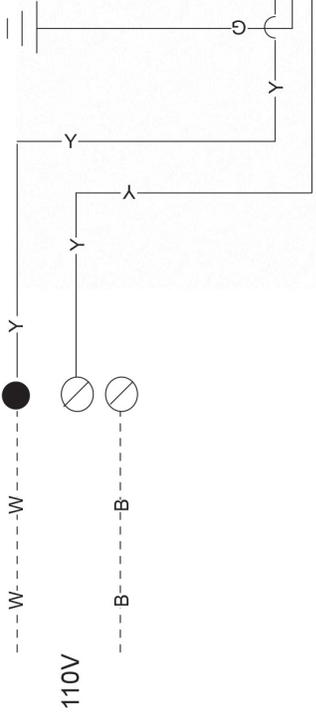
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Dwg. By: JED/CDM	Date: 9/21/99	Scale: NTS
Customer: Manual Dwg. - Overtemp Piping		
Description: Hamilton Eliminator with single coil piping and controls.		

Dwg. No.:	Revised By:

Wiring for Steam Package



FOR HYD 90007 USE BOTH DRAWINGS:
E3 + E4

HYD 90000

FIELD SUPPLIED -----



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