



E-3 Series

Vent-Rite[®]
A Swan Group Company

E-3 Series

Vacuum pumps, like the Vent-Rite E-3 Series Jet Vacuum and Liquid Ring pumps, are an essential part of any modern heating system.

They're designed to reduce heating costs by lowering boiler pressures and minimizing heat loss.

Overview
Cast iron or carbon steel receivers
Available from 7.5 gpm to 150 gpm
Pressure ranges from 10 psi to 60 psi

E-3 Series Features

- Fast air removal allows for smaller piping sizes
- Cast iron or $\frac{3}{16}$ " thick carbon steel tank with broad range of size options
- Durable impeller designed for smooth and efficient water passage
- Customizable control panels with multifunction capability and Building Management System integrations
- Standard mechanical seals capable of handling temperatures up to 250°F
- Condensate units come standard with float switch or mechanical alternator
- Boiler feed units come standard with float-operated makeup valves; solenoid valves optional
- Various flows and pressures designed to meet the strictest of specifications

E-3 Jet Vacuum Specifications

- Water capacities available from 7.5 gpm to 150 gpm
- Pressure ranges from 10 psi to 60 psi
- CFM ranges from 2.6 to 36 @ 5½" Hg vacuum
- Motors ranging from $\frac{1}{3}$ hp to 10 hp available in 115, 208, or 230 single phase or 208, 230, or 460 three phase, 3,500 RPM

E-3 Liquid Ring Specifications

- Water capacities available from 7.5 gpm to 150 gpm
- Pressure ranges from 10 psi to 60 psi
- CFM ranges from 23 to 150
- Vacuum from 5½" Hg to 15" Hg
- Motors ranging from $\frac{1}{3}$ hp to 10 hp available in 115, 208, or 230 single phase or 208, 230, or 460 three phase, 3,500 RPM (Liquid-ring vacuum pump/motor assembly—TEFC only)

E-3 Series Condensate Return

Capacity
5,000 to 100,000 sq. ft. EDR

The E-3 Series jet vacuum condensate return units quickly collect and return condensate to the boiler feed unit using specifically designed pressures and flows. This vacuum unit comes with an accumulator tank and a top-mounted hurling tank. Pumping action is controlled by the water level inside the accumulator tank. An integral float device is used to turn the pump(s) on and off while vacuum pumps circulate water to and from the hurling tank. As water and air pass through a jet-type exhauster, it creates a powerful vacuum that helps remove air from the system, allowing steam to travel longer runs and providing quicker warm-up times.

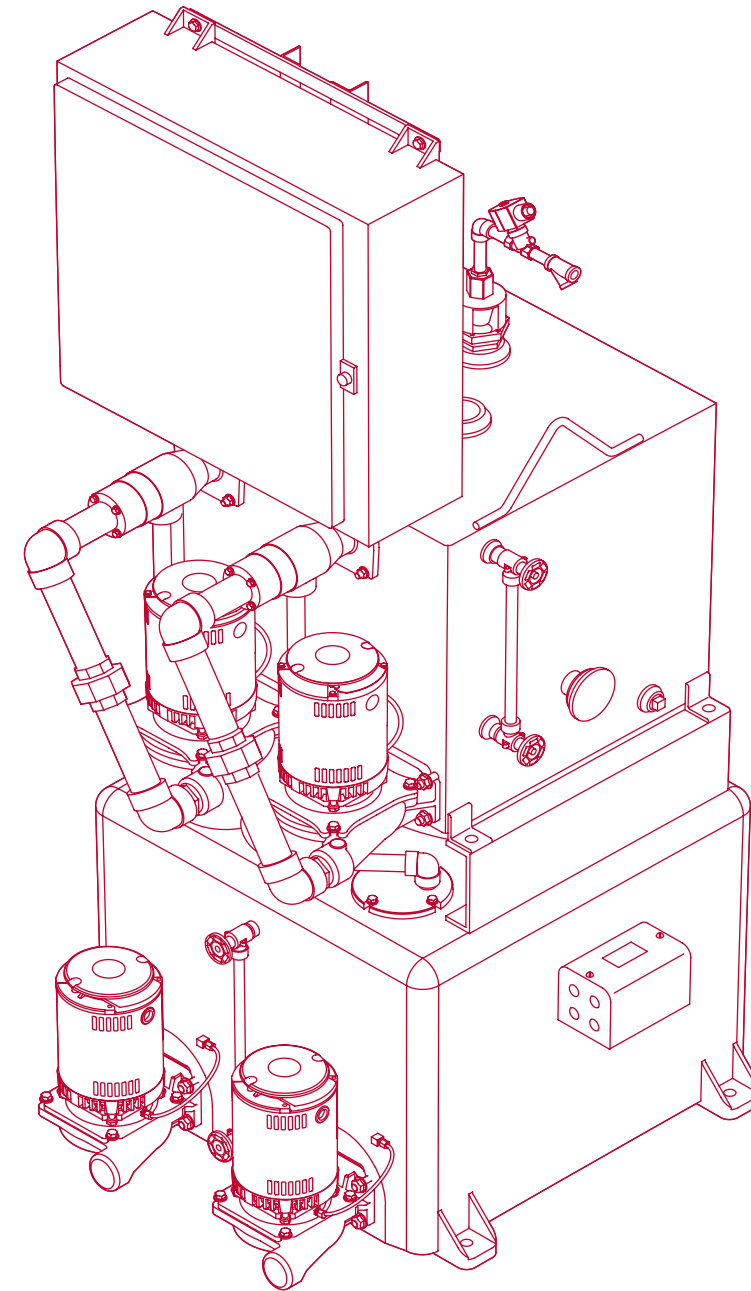
E-3 Series Boiler Feed


Capacity
5,000 to 100,000 sq. ft. EDR

The E-3 Series vacuum boiler feed units pump condensate and makeup water directly into the boiler(s) using various pressures and flows specifically tailored to boiler specifications. This vacuum unit comes with an accumulator tank and a top-mounted hurling tank. Pumping action is determined by a boiler-mounted level controller that senses boiler water level requirements.

Vent-Rite offers standard float-operated makeup valves or special electric solenoid valves on tanks designed to replenish water inside the boiler feed unit when water levels get too low. Vacuum pumps circulate water to and from the hurling tank. As water and air pass through a jet-type exhauster, it creates a powerful vacuum that helps remove air from the system, allowing steam to travel longer runs and providing quicker warm-up times.

Cast Iron Receiver (Duplex Unit shown)





Acquired from Barnes & Jones Inc. in 1979, Vent-Rite Valve Corp. was established by its current parent company, The Swan Group, in 1984. Since 2004, VRVC has used MEPCO designs for Condensate and Boiler Feed Systems and MEPCO Vacuum Systems.

And through it all, we've always been focused on putting quality first. Not only do we believe in making great products for our customers, but we believe in doing it right—every single time. That's why every pump that leaves our doors has been carefully crafted and tested against the strictest standards, ensuring you receive the safest, highest-quality product possible.

ventritepump.com

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