

JV & PD Series



**Skidmore**<sup>®</sup>  
A Swan Group Company

# JV & PD Series

Both JV and PD Series units produce a powerful vacuum that allows boilers to operate at a lower pressure, minimizing heat loss and reducing heating costs. Units are available in simplex, semi-duplex, and duplex models.

**Overview**  
Cast iron and steel receivers  
Capacities from 1,000 to 125,000 sq. ft. EDR  
Air capacities from 1 to 150 CFM  
Standard receiver capacities from 29 to 1,000 gallons

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**JV Series Features**

- Various flows and pressures designed to meet the strictest of specifications
- Customizable control panels with multi-function capability and Building Management System integrations
- Durable impellers, designed for smooth and efficient water passage, circulate water into the hurling tank
- Choice of cast iron or 3/8" thick carbon steel receivers in a broad range of size options
- Mechanical seals capable of handling temperatures up to 250°F
- Fast air removal allows smaller piping sizes
- 6 CFM to 72 CFM @ 5.5" hg
- 3 gpm to 120 gpm
- 10 psi to 60 psi (3,500 rpm only)
- 6 CFM to 150 CFM @ 5.5" hg (3,500 rpm only)
- 115/230 volt single-phase and 208-230/460 volt three-phase

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**PD Series Features**

- Various flows and pressures designed to meet the strictest specifications
- Customizable control panels with multi-function capability and Building Management System integrations
- Liquid-Ring Vacuum pumps range from 23 CFM up to 150 CFM @ 5.5" hg up to 15" hg
- Choice of cast iron or 3/8" thick carbon steel receivers in a broad range of size options
- Close-coupled design, cavitation protection, TEFC motors, and standard mechanical seals capable of handling temperatures up to 250°F
- Fast air removal allowing for smaller piping sizes
- 3 gpm to 120 gpm
- 10 psi to 60 psi (3,500 rpm only)
- 6 CFM to 150 CFM @ 5.5" hg (1,750 rpm only)
- 208–230/460 volt three-phase

## JVC Series Vacuum/Condensate Return

Capacity  
1,000 to 125,000 sq. ft. EDR

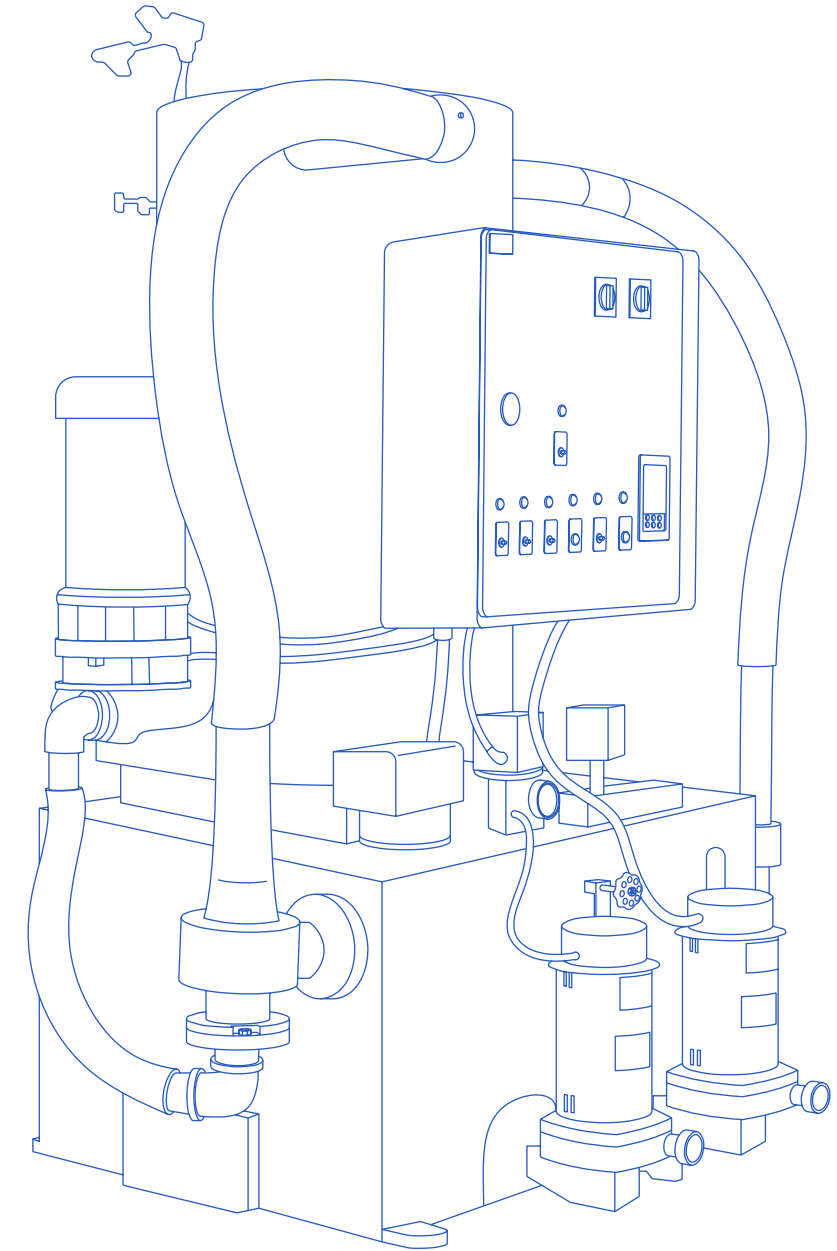
JVC Series Vacuum/Condensate Return units collect and quickly return condensate to the boiler feed unit using various designed pressures and flows. Pumping action is controlled by the water level inside the receiver and uses either a standard float switch or a mechanical alternator to turn the pump(s) on and off. The water passes through a Venturi, creating a powerful vacuum aiding in air removal from the system and allowing steam to travel long runs.

## JVBF Series Vacuum/Boiler Feed

Capacity  
1,000 to 125,000 sq. ft. EDR

JVBF 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. Pumping action is determined by a boiler-mounted level controller and offers standard float-operated makeup valves on receivers designed to replenish water inside the boiler feeds unit when water levels get too low. The water passes through a Venturi, creating a powerful vacuum aiding in air removal from the system and allowing steam to travel long runs.

Standard Duplex Jet Vac Unit/Steel Hurling Tank Cast Iron Receiver



## PDVC Series Positive Displacement Vacuum/Condensate Return

Capacity  
1,000 to 125,000 sq. ft. EDR

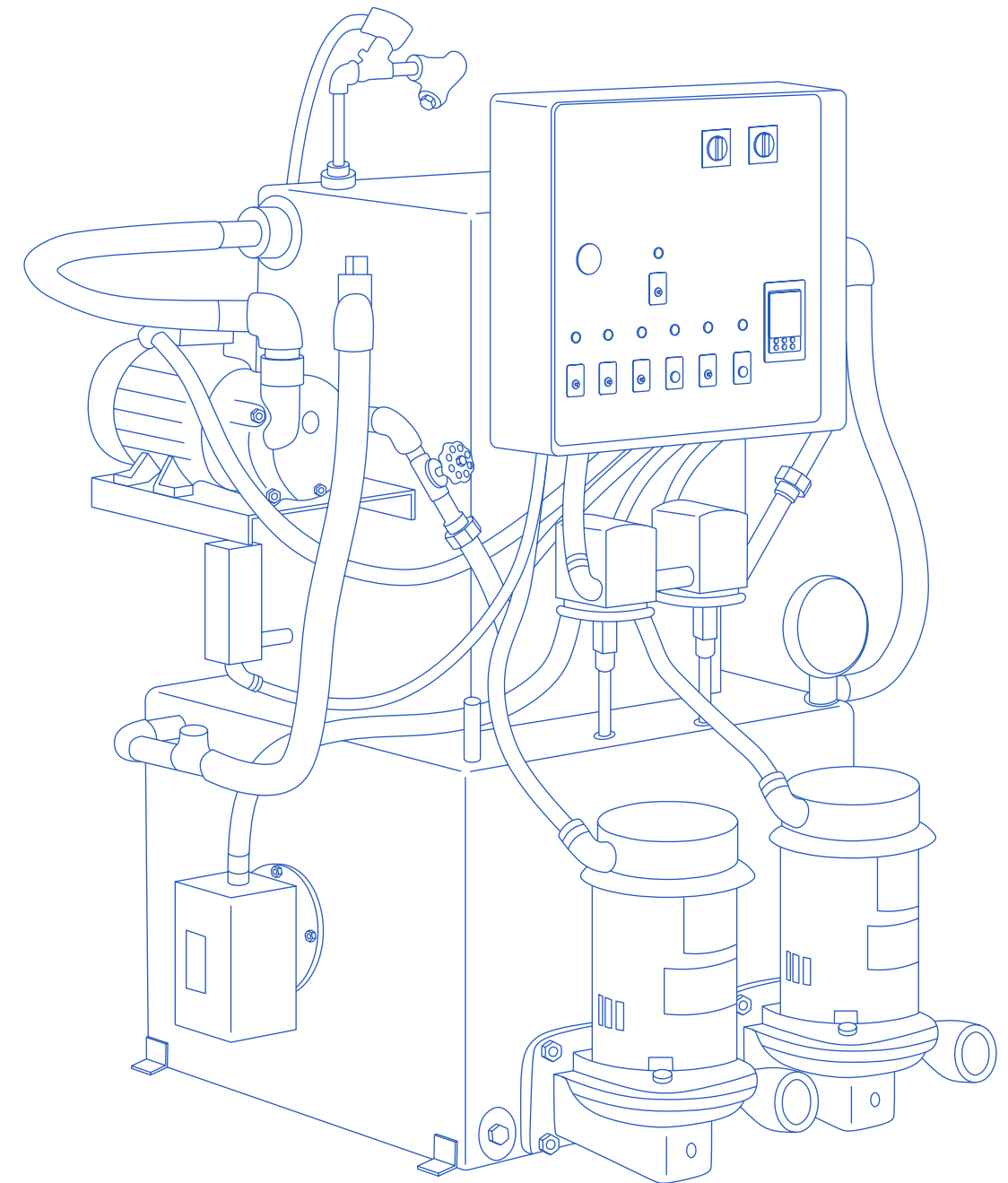
PDVC Series Positive Displacement Vacuum/Condensate Return units are designed to collect and quickly return condensate to the boiler feed unit using various designed pressures and flows. Pumping action is controlled by the water level inside the receiver and a standard float switch or a mechanical alternator is used to turn the pump(s) on and off. Liquid-Ring Vacuum pumps come with durable impellers designed for smooth and efficient water passage and produce a liquid seal in the water tank when running.

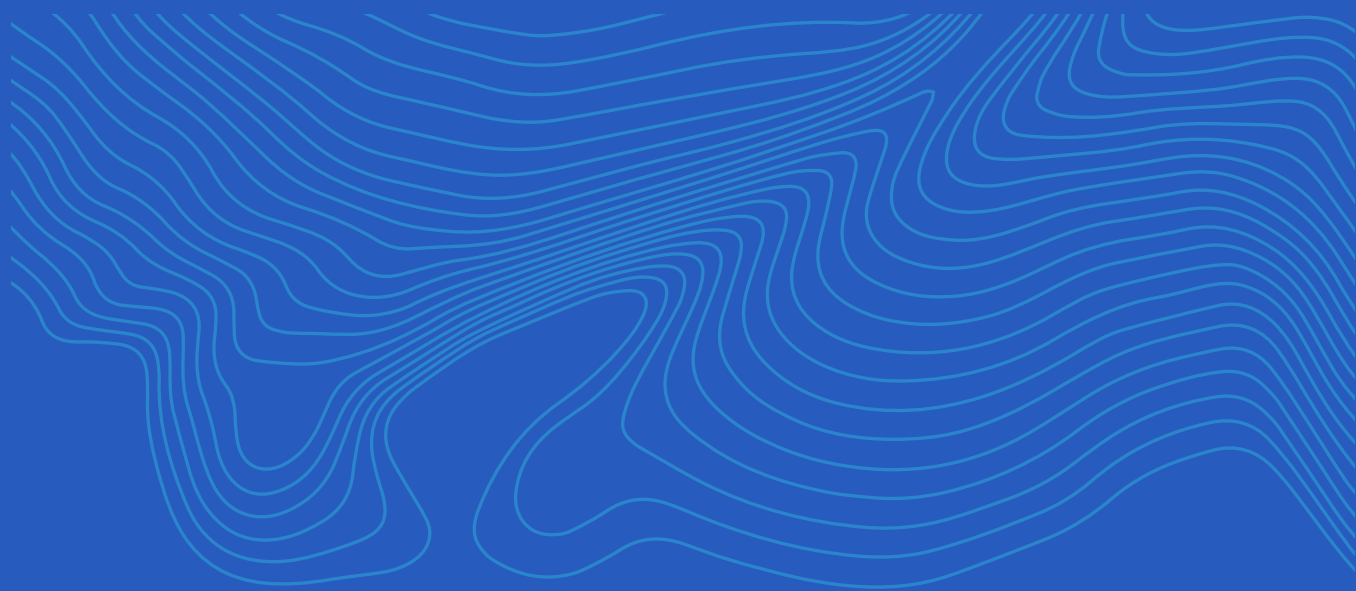
## PDBF Series Positive Displacement Vacuum/Boiler Feed

Capacity  
1,000 to 100,000 sq. ft. EDR

PDBF Series Positive Displacement Vacuum/Boiler Feed units are designed to pump condensate and makeup water directly into the boiler(s) using various pressures and flows specifically tailored to boiler specifications. Pumping action is determined by a boiler-mounted level controller and offers standard float-operated makeup valves or special electric solenoid valves on receivers designed to replenish water inside the boiler feed unit when water levels get too low. Liquid-ring Vacuum pumps come with durable impellers designed for smooth and efficient water passage and produce a liquid seal in the water tank when running.

Duplex Jet Vac Unit (with LR Pump and options)/Steel Hurling Tank Cast Iron Receiver





We believe great ideas make great products. We built our company culture on this philosophy in 1921, and continue to stand by it today.

Every pump that leaves our doors has been carefully crafted and tested against the strictest standards, assuring you receive the highest-quality product possible.

[skidmorepump.com](http://skidmorepump.com)

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