

UV Series



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

# UV Series

UV Series units are uniquely designed for below-grade applications. Each pump consists of a vertical pump and motor unit and has either a flange-type float switch mechanism to control pumping from the water level in the receiver or a flange-type float-operated makeup valve to control pumping from the water level in the boiler.

Overview  
Capacities from 2,000 to 100,000 sq. ft. EDR  
Discharge pressure up to 75 lbs.

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**UV Series Features**

- Centrifugal enclosed bronze impeller designed for handling hot water and is keyed and locked on a stainless steel pump shaft
- Simplex and duplex units available in a wide range of capacities and discharge pressures, up to 75 lbs.
- Customizable control panels with multi-function capability and Building Management System integrations
- Bronze and split packing gland for accessibility when repacking the stuffing box
- A broad range of receiver size options—increased sump-depth capabilities available in increments of 6"—maximum allowable depth is 72"
  - Deeper than standard receivers furnished with intermediate bronze bearings to support and align the pump shaft
  - Lubrication line(s) ensure sufficient recirculation water for lubricating intermediate bearing(s)
- Single float switch on simplex units
- Mechanical alternator assembly on duplex units
- Standard #304 stainless steel receiver with inlet opening
- Optional #316 stainless steel basin
- Optional welded carbon steel receiver
- 1.5 gpm through 150 gpm
- 10 psi to 30 psi (1,750 rpm only)
- 15 psi to 75 psi (3,500 rpm only)
- 115/230 volt single-phase and 208-230/460 volt three-phase

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**UV Series Technical Information**

- Motor and control switches are above floor level, reducing danger of flooding
- Open-type concrete pits are not required for install
- Can be installed with the receiver underground and the receiver cover plate flush with the floor
- All float and switch mechanisms can be removed from the main cover plate without disturbing or removing the pump and motor unit
  - Adjustable to various water levels
- Pump is bronze and fitted with close-grain cast iron pump housing, shaft housing, and main cover plate
- Interchangeable float switch mechanism and float-operated makeup valve flanges
- Heavy-duty flexible coupling connects pump shaft to motor shaft
- Electric motor flange fits into a machined register on top motor stand, guaranteeing perfect alignment
- Proper capacity float switches and electric motors for all pump sizes
- Standard-design electric motors
- Motor attached with four cap screws
- National Electrical Manufacturers Association (NEMA) C-face mounting, and ODP motors supplied with a canopy

## UV Series Condensate Return

**Capacity**  
2,000 to 100,000 sq. ft. EDR

UV Series Condensate Return units are designed to collect condensate below floor level and quickly return it to the boiler feed unit using various pressures and flows. Pumping action is controlled by the water level inside the receiver and an integral and adjustable float device is used to turn the pump(s) on and off.

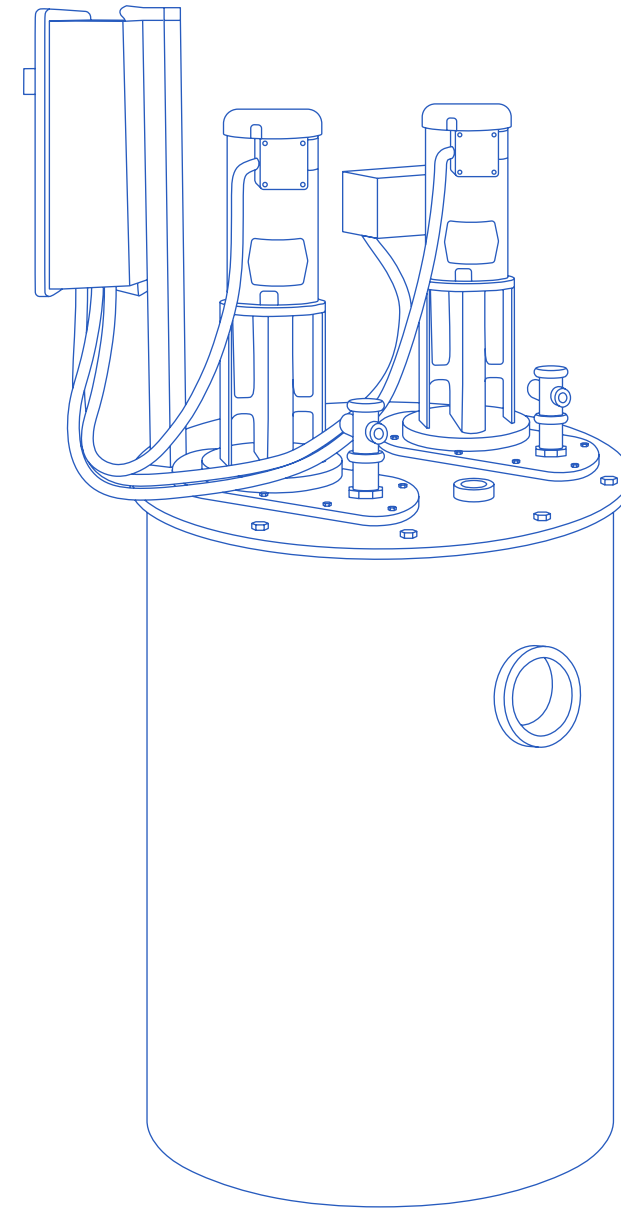
## UV Series Boiler Feed

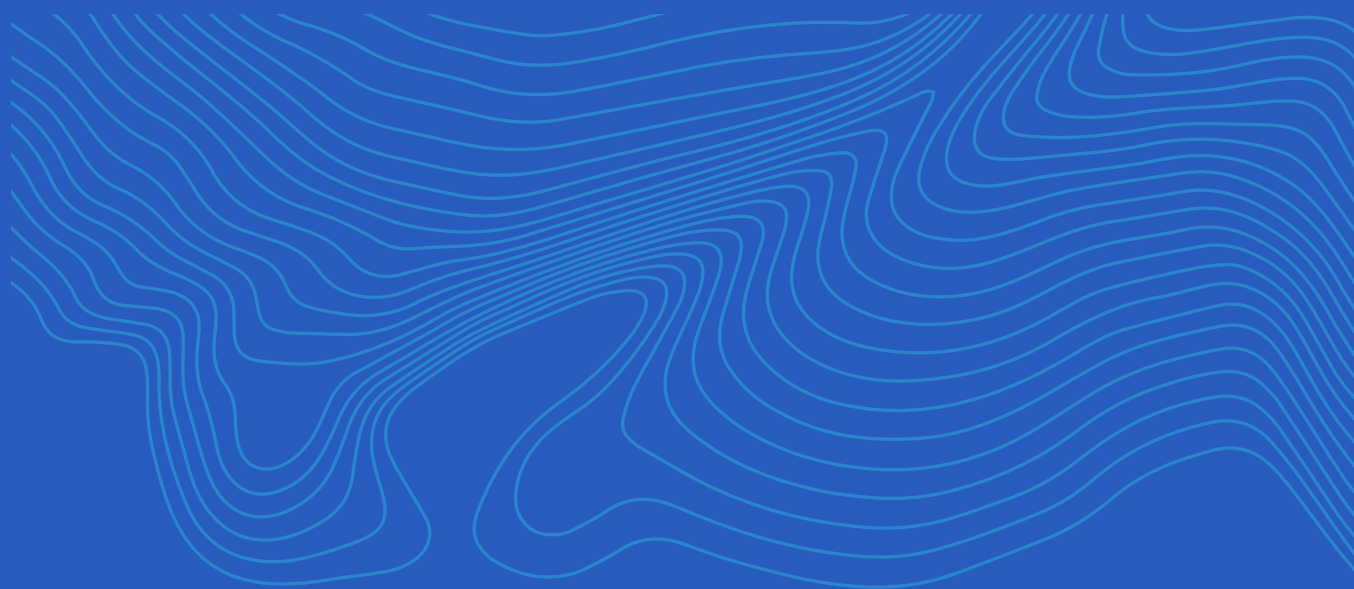
**Capacity**  
2,000 to 100,000 sq. ft. EDR

UV Series Boiler Feed units collect condensate below floor level and then pump condensate and makeup water directly into the boiler(s) using various pressures and flows. Pumping action is determined by a boiler-mounted level controller that senses boiler water level requirements. Skidmore 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.

Replacement pump and motor assemblies can be furnished to replace many obsolete manufacturers. Contact your representative for information.

Duplex UV Series Pump with Control Panel





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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