

TYPE VCS CONDENSATE RETURN SYSTEMS

Lockwood VCS pumping systems are available in simplex, duplex, triplex or quadruplex configurations from 1,000 to 100,000 sq. ft. EDR capacities. Discharge pressures from 10-40 psi are available on units equipped with 1750 rpm motors; 15-75 psi on 3500 rpm units. Standard selections use 1750 rpm motors only on 10 psi applications.

RECEIVERS

Cast iron, rectangular receivers are available with 15 to 110 gallon capacities.

Heavy duty, welded, rust resistant, copper bearing steel receivers are available in rectangular or cylindrical configurations with capacities ranging from 21 to 1,000 gallons. Consult your local representative for custom engineered receivers and rust resistant linings.

LOCKWOOD CENTRIFUGAL PUMPS

Four centrifugal models are available in a large selection of sizes to meet your specific application requirements: VC, VJ, VE and VA.

The pumps are bolted directly to the receiver to provide a compact, efficient design. Their close-coupled, centrifugal design with bronze enclosed type impeller assures smooth, efficient water passage. A mechanical seal, rated to a maximum temperature of 220°F, is vented to the receiver to assure adequate lubrication at all times.

All standard selections are rated for condensate temperatures up to 200°F. Consult factory for higher temperature applications, as some pumps are available that have low NPSH capability. These pumps have advanced impeller and volute design that can provide true 2' NPSH capacity without using additional impellers and parts required by other manufacturers.

Designed for long-life, low maintenance and reliable service, the pumps are easily serviceable if necessary. Parts subject to normal wear are readily accessible. Impeller and seal can be serviced without distributing piping or electrical connections.

All pumps are close-coupled to heavy duty, ball bearing electric motors. Fractional horsepower single phase motors have built-in thermal overload protection.

To help you determine the appropriate pump type for your application, specifications for each of the four types are described in the next paragraphs. Refer to selection table for additional pumping system performance data.

• VJ PUMPS

1/2 thru 2 hp

3500 rpm — discharge pressures are 15, 20, 30, 40 or 50 psi

Motor types available: Open drip proof (ODP) only
Single phase, 115/230 V, 60 Hz
Three phase, 208 or 230/460V, 60 Hz

• VC PUMPS

1/3 thru 15 hp

1725 rpm — discharge pressures are 10, 15 or 20 psi

3500 rpm — discharge pressures are 30 to 75 psi

Motor types available: Open drip proof (ODP)
Totally enclosed fan cooled (TEFC)
Explosion proof
Single phase, 115/230 V, 60 Hz
Three phase, 208 or 230/460V, 60 Hz

• VE PUMPS*

3/4 thru 2 hp

1750 rpm — discharge pressures are 20, 25 or 30 psi

Motor types available: Open drip proof (ODP)
Totally enclosed fan cooled (TEFC)
Explosion proof
Single phase, 115/230 V, 60 Hz
Three phase, 200 V, 60 Hz
Three phase, 230/460 V, 60 Hz

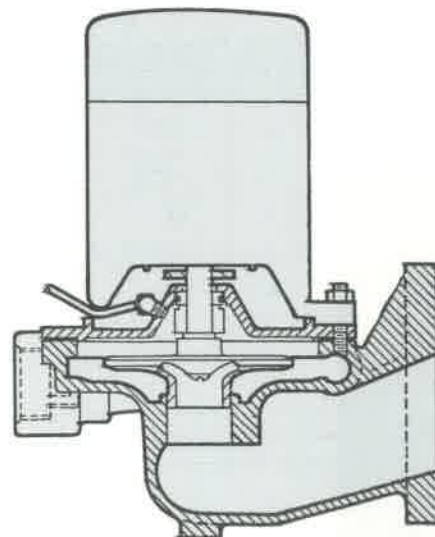
• VA PUMPS*

3, 5 or 7 1/2 hp

1750 rpm — discharge pressures are 30 or 40 psi

Motor types available: Open drip proof (ODP)
Totally enclosed fan cooled (TEFC)
Explosion proof
Three phase, 200 V, 60 Hz
Three phase, 230/460 V, 60 Hz

*Contact factory for recommended selections.



TYPICAL PUMP CROSS-SECTION