

# VMX CONDENSATE PUMPS

## CONDENSATE PUMPING UNIT SPECIFICATIONS

**Capacity:** To 12,000 sq.ft. EDR or 18 gpm

**Discharge Pressures:** 20, 30 and 40 psi

**Condensate Temperatures:** To 200°F



Condensate pumps are used in low pressure steam heating systems to collect and quickly return condensate to the boiler or boiler feed unit. Pumping action is controlled by an integral float switch on simplex (one pump) units or mechanical alternator on duplex (two pump) units. Unlike boiler feed units, which are controlled by a boiler mounted control and equipped with a make-up valve mechanism, condensate pumps usually do not directly supply boiler make-up water.

## SIMPLEX UNITS

Simplex units are equipped with vapor tight, heavy duty float switch control with stainless steel float. Easily field adjustable, to provide proper pump control and operation.

Receivers are available in your choice of cast iron or welded steel construction.

Long lasting, close grained cast iron receivers; available in 6, 15, 21 and 45 gallon sizes.

Welded, copper bearing steel receivers; available in 10, 20 and 45 gallon capacities.

Simplex units may be ordered mounted on duplex reservoirs to provide an opportunity for conversion to a duplex unit at a later time.

## DUPLEX UNITS

Duplex units offer some additional distinct advantages over simplex units. They are used where an unusually heavy amount of condensate must be returned or where it is desirable to have a stand-by pump available. Equipped with a float operated, automatic mechanical alternator, they provide several benefits.

**System overload protection** – The second pump is activated if the rate of condensate return exceeds the limits of the first pump.

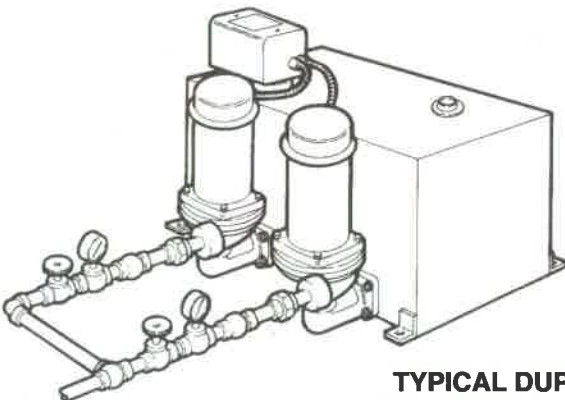
**Extra long service life** – Each of the two pumps is activated automatically on alternating pumping cycles so the work load is evenly distributed between the two pumps.

**Back-up system protection** – A second pump is automatically actuated if the first one fails to start. With optional isolation valves, maintenance or repairs can be made on either pump without shutting down the other one or interrupting system operation.

Duplex unit receivers are available in your choice of cast iron or welded steel construction.

Long lasting, close grained cast iron receivers; available in 15, 21 and 45 gallon sizes.

Welded, copper bearing steel receivers; available in 20 and 45 gallon sizes.



**TYPICAL DUPLEX PUMP INSTALLATION**