A common problem in condensate removal is the bioclogging of a drain line downstream from the pump. These blockages are typically organic growth of mold, mildew, algae, etc. These blockages can cause major problems with regular pumps—but not with ClearVue™. With many colgs, a little bit of pressure will provide the force needed to break the colg loose and clear it. ClearVue™ is the only pump that can sense when a colg is there and work to clear it. In these instances, ClearVue™ will first spin a bit faster, pump a bit harder and increase the pressure in the drain line trying to clear the colg.

If the colg is particularly stubborn, ClearVue™ continues increasing the pressure until the colg is cleared, or the high level alarm is activated. Once the high level alarm is activated, ClearVue™ shuts down the cooling system but continues running in the same direction to try and clear the colg. ClearVue™ uses existing water in the lines to create a pulsing action designed to clear the colg. This pulsing mode continues for several minutes to try and clear the clog. If ClearVue™ is not able to clear a very stubborn colg, ClearVue™ continues running in the drain line to attempt to clear the clog. ClearVue™ enters its self-cleaning mode to try to remove the colg. ClearVue™ will periodically enter a routine cycling mode to reduce the potential for a drain line colg. This cycle pulses water in the drain line line and sightsges the water in the tank to prevent buildup of algae and other organic materials. It is designed, a manual cleaning cycle can easily be started by pressing the CLEAN button. The cleaning cycle will begin automatically when there is sufficient water in the tank. The white “clean” indicator will flash, indicating that a clean cycle is pending. If ClearVue™ is successful in clearing the drain line it can resume the cooling system and returns to normal functioning. If ClearVue™ is not able to clear a very stubborn colg, ClearVue™ will remain in the high level alarm condition and keep the cooling unit in the off position. If the internal audio alarm is enabled, ClearVue™ will keep its internal audible alarm until addressed by a service technician. ClearVue™’s default setting for the internal audible alarm is “off” but may be turned on at address by a service technician. ClearVue™’s default setting

The ClearVue™ high level alarm connections are made with standard 1/4” quick-connect terminals located just above the power cord connection. Supplied with ClearVue™ are two yellow external alarm connection connectors. Single poles, double throw (SPDT) isolated relay contacts are provided for cooling system interruption and external alarm connection. These features are activated when the high level alarm is triggered. Connecting the common and run terminals in the coil for cool wire from the thermostat enables ClearVue™’s capability to shut down the cooling system if there is a high level alarm. Connecting the common and alarm contacts to an external alarm enables ClearVue™’s capability to trigger an external alarm, such as DiversiTech’s Universal Alarm (UA-1).


dries HUMIDITY, the best solution for the potential for a drain line colg.

The ClearVue™ high level alarm connections are made with standard 1/4” quick-connect terminals located just above the power cord connection. Supplied with ClearVue™ are two yellow external alarm connection connectors. Single poles, double throw (SPDT) isolated relay contacts are provided for cooling system interruption and external alarm connection. These features are activated when the high level alarm is triggered. Connecting the common and run terminals in the coil for cool wire from the thermostat enables ClearVue™’s capability to shut down the cooling system if there is a high level alarm. Connecting the common and alarm contacts to an external alarm enables ClearVue™’s capability to trigger an external alarm, such as DiversiTech’s Universal Alarm (UA-1).


dries HUMIDITY, the best solution for the potential for a drain line colg.

The ClearVue™ high level alarm connections are made with standard 1/4” quick-connect terminals located just above the power cord connection. Supplied with ClearVue™ are two yellow external alarm connection connectors. Single poles, double throw (SPDT) isolated relay contacts are provided for cooling system interruption and external alarm connection. These features are activated when the high level alarm is triggered. Connecting the common and run terminals in the coil for cool wire from the thermostat enables ClearVue™’s capability to shut down the cooling system if there is a high level alarm. Connecting the common and alarm contacts to an external alarm enables ClearVue™’s capability to trigger an external alarm, such as DiversiTech’s Universal Alarm (UA-1).


dries HUMIDITY, the best solution for the potential for a drain line colg.

The ClearVue™ high level alarm connections are made with standard 1/4” quick-connect terminals located just above the power cord connection. Supplied with ClearVue™ are two yellow external alarm connection connectors. Single poles, double throw (SPDT) isolated relay contacts are provided for cooling system interruption and external alarm connection. These features are activated when the high level alarm is triggered. Connecting the common and run terminals in the coil for cool wire from the thermostat enables ClearVue™’s capability to shut down the cooling system if there is a high level alarm. Connecting the common and alarm contacts to an external alarm enables ClearVue™’s capability to trigger an external alarm, such as DiversiTech’s Universal Alarm (UA-1).


dries HUMIDITY, the best solution for the potential for a drain line colg.

The ClearVue™ high level alarm connections are made with standard 1/4” quick-connect terminals located just above the power cord connection. Supplied with ClearVue™ are two yellow external alarm connection connectors. Single poles, double throw (SPDT) isolated relay contacts are provided for cooling system interruption and external alarm connection. These features are activated when the high level alarm is triggered. Connecting the common and run terminals in the coil for cool wire from the thermostat enables ClearVue™’s capability to shut down the cooling system if there is a high level alarm. Connecting the common and alarm contacts to an external alarm enables ClearVue™’s capability to trigger an external alarm, such as DiversiTech’s Universal Alarm (UA-1).
ClearVue™ determines how fast condensate is entering the tank and adjusts its speed and lift to match the conditions and keep the tank clear. The variable lift in ClearVue™ assures that the pump impeller is spinning only as fast as needed to lift the condensate water to the necessary height. A slower pump speed means significantly less noise than conventional condensate pumps. A variable speed motor is a proven quieting feature in furnace blower motors, and we bring that same feature to ClearVue™.

**Floatless Sensor™**

No float, no problems. That’s what ClearVue’s new Floatless Sensor™ will provide you and your customers. Conventional pumps use an electro-mechanical float switch to turn the condensate pump on and off and to detect a potential overflow condition. Float switches are prone to mechanical failure including debris fouling, sunken floats, and misalignment. ClearVue’s Floatless Sensor™ eliminates many of the typical problems associated with conventional condensate pumps. By eliminating the float, ClearVue™ won’t fail like conventional float switch pumps. ClearVue™ can even be installed up to 10º off level and function perfectly. ClearVue™ uses highly sensitive Floatless Sensor™ technology in different levels in the tank to provide the most accurate information to the pump’s brain. And better information means a better pump. ClearVue’s Floatless Sensor™ technology tells it how high the condensate level is in the tank and how fast the inflow is. ClearVue™ then uses this information to adjust pump speed and lift to keep the tank clear and the system running properly.

---

**Variable Speed and Lift**

ClearVue™ features variable lift and speed. It’s not just off or on like a regular pump. ClearVue™ senses the amount of condensate water in the tank and its rate of inflow and adjusts its speed and lift to match the conditions and keep the tank clear. ClearVue™ starts pumping slowly and only accelerates if needed. And since it pumps slowly, ClearVue™ is super quiet and easy to live with.

With its Floatless Sensor™ technology, ClearVue™ doesn’t have the usual problems associated with float switch pumps. No more stuck floats or misaligned contacts to cause problems and potential damage. ClearVue™ uses Floatless Sensor™ technology to detect the water level in the tank and make the right decision about what to do next. The ClearVue™ pump also features a see-through tank to give the contractor and homeowner a clear view of water blockage and buildup in the tank. This clear tank allows for quick troubleshooting due to normal buildup caused by daily condensate generation. ClearVue™ gives you the most improved, user-inspired features on the market.

What makes ClearVue™ Better?

- The ClearVue™ pump features variable speed and lift which allows ClearVue™ to change pump speed and lift based on condensate flow. Other pumps are simply off or on but ClearVue™ starts pumping slowly then gradually accelerates its lift if needed.
- Floatless Sensor™ technology means more reliable operation and no problems from stuck or fouled mechanical floats. ClearVue’s Floatless Sensor™ detects the condensate level without a float for reliable, accurate operation. No float, no problems.
- World’s only self-cleaning condensate pump. ClearVue™ features a unique self-cleaning mode to maintain itself and help keep drain lines clear. Also, if ClearVue™ senses a blockage, it will begin self-cleaning and pulse the condensate water to try to remove the blockage.
- ClearVue™ also offers a clear tank that allows the user to see what’s happening inside. This means faster and more accurate troubleshooting.

**About ClearVue™**

The new ClearVue™ condensate pump from DiversiTech is unlike any other pump available. ClearVue™ features variable lift and speed. It’s not just off or on like a regular pump. ClearVue™ senses the amount of condensate water in the tank and its rate of inflow and adjusts its speed and lift to match the conditions and keep the tank clear. ClearVue™ starts pumping slowly and only accelerates if needed. And since it pumps slowly, ClearVue™ is super quiet and easy to live with.

ClearVue™ and Lift

ClearVue™ determines how fast condensate is entering the tank and adjusts its speed and lift to match the conditions and keep the tank clear. The variable lift in ClearVue™ assures that the pump impeller is spinning only as fast as needed to lift the condensate water to the necessary height. A slower pump speed means significantly less noise than conventional condensate pumps. A variable speed motor is a proven quieting feature in furnace blower motors, and we bring that same feature to ClearVue™.