

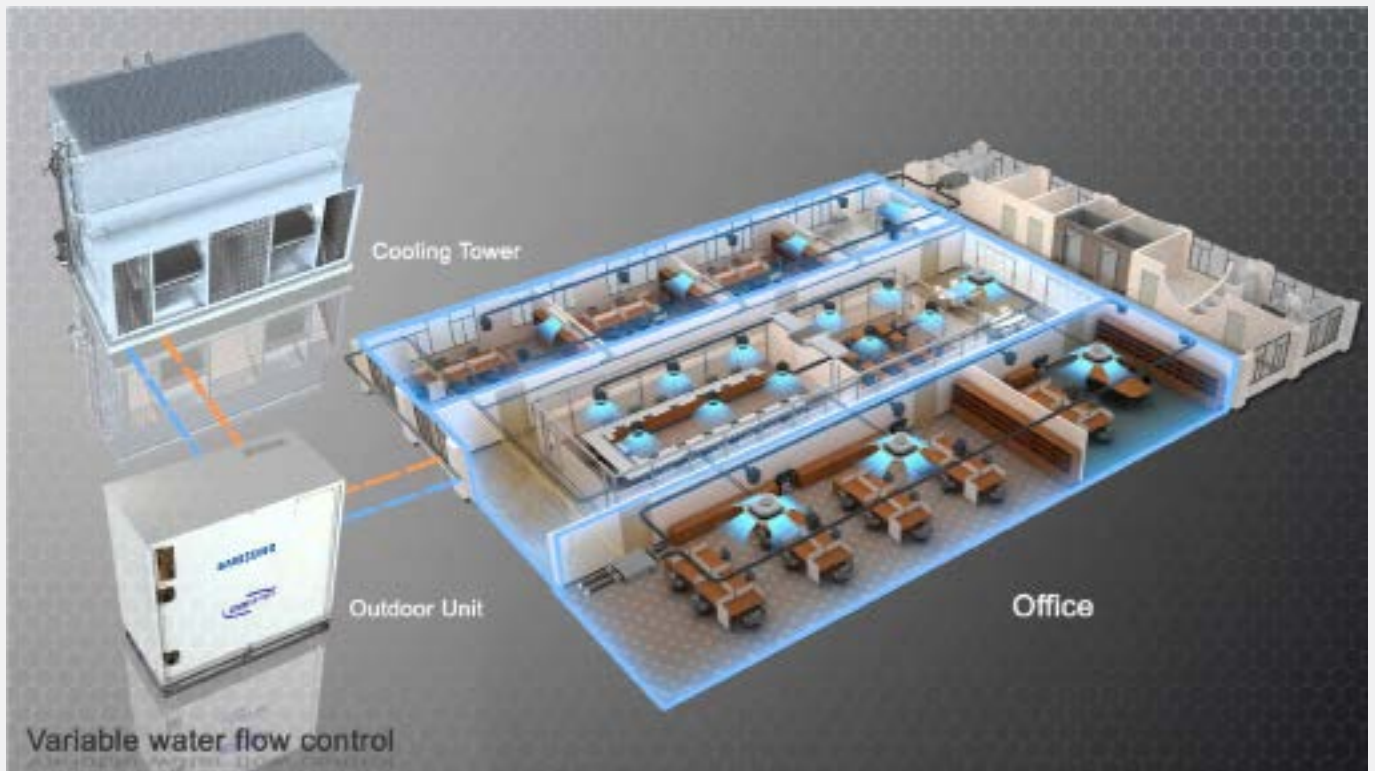
DVM S WATER

Temper the indoor environment with innovative water-based heating and cooling technology

DVM S WATER is a high-capacity outdoor cooling and heating system, ideal for large buildings. Unique to other DVM S models, the DVM S WATER air conditioning system uses water as its heat source, which connects to a cooling tower and boiler. Using a highly efficient compressor and heat exchanger, DVM S WATER provides effective and reliable performance despite changes in the surrounding environment. Its long piping and lightweight design also make it easy and economical to install almost anywhere.

The Samsung DVM S WATER air conditioner system delivers optimal comfort, efficiency and performance with features such as:

- Increased energy savings. Save on energy consumption and costs with a dual inverter system and high-performance compressors.
- Easy, flexible installation. Ease installation and minimize effort with a lightweight design and extended piping length and elevation support.
- Convenient management. Monitor system performance effectively with convenient web-based data access and management from anywhere.
- Premium comfort. Support comfortable living and working environments based on the combined strengths of various technologies.



DVM S WATER

Increased energy savings

Enhance the atmosphere and control costs with high energy efficiency

Samsung DVM S WATER features several smart technologies that combined deliver world-class energy efficiency for today's eco- and budget-conscious businesses. With these technologies, DVM S WATER boasts 8 percent higher EER than conventional models. Plus, its coefficient of performance (COP) also surpasses the competition with an average 11 percent higher rate.

Energy-efficient rapid heating and cooling

The third-generation innovative system, DDI, adopts a dual inverter compressor system. Both inverter compressors operate simultaneously, providing compressor longevity and balanced oil distribution for quick cooling and heating to save energy and the environment. Plus, the upgraded vapor injection system increases refrigerant flow by 20 percent compared to conventional products.

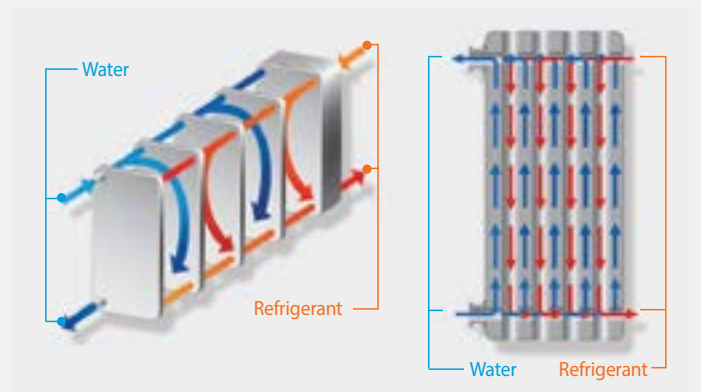
Independent cooling and heating

With the DVM S Water air conditioning system's optional Mode Control Unit (MCU), users can independently operate each indoor unit. This means users can set different temperatures for various spaces at the same time, heating some rooms or areas of the building, while cooling others.



Decreased maintenance and energy costs

DVM S WATER features advanced PHE technology, which improves cooling and heating efficiency, further benefiting the environment while reducing maintenance and energy costs.



Renewable energy source

Eco-friendly DVM S WATER uses geothermal energy as a renewable heat source instead of a cooling tower and boiler, effectively supporting businesses' environmental and cost reduction initiatives.



DVM S WATER

Easy, flexible installation

Simplify installation with a cost-saving, adaptable design

The simplified yet powerful design of the DVM S WATER unit eases the installation process. Non-polar communication between indoor and outdoor units promotes easier, safer wiring work, because the outdoor unit protects itself if the communication cable is mistakenly connected to a power terminal.

Economical design and setup

At 30 HP, the large-unit capacity of DVM S WATER facilitates economical installation with a smaller footprint and lighter weight—an ideal solution for larger buildings.



Broad installation options

DVM S WATER provides extended piping length of up to 170 m (558 ft) and installation height of up to 50 m (164 ft), offering businesses more installation options. The piping distance is far between outdoor and indoor units, so individual indoor units perform capacity connection control and automatic refrigerant equalization for more balanced performance between units.



Louver-less installation

The DVM S WATER air conditioning system's louver-less installation ensures that the outside of the building remains neat and tidy. Because the system cools with water, it eliminates the need to install an unsightly louver to allow air to circulate and to remove excess heat. Its streamlined operation supports easy installation inside a building without impacting the integrity of its architectural design.



DVM S WATER

Convenient management

Discover and resolve issues from anywhere with a smart management system

DVM S WATER features a smart management system for the ultimate in convenient management. The advanced system facilitates around-the-clock system monitoring along with self-regulating water flow control to ensure peak operation at all times.

24-hour performance monitoring

A smart Auto Commissioning Management (ACM) function continually monitors operational performance and proactively signals any abnormal operation, so users can quickly address potential problems. And if a malfunction occurs, the last 30 minutes of operational data are stored for automatic backup. This lowers the maintenance cost of periodic inspections and ensures that the system is always operating. DVM S WATER also features an application with built-in signal contacts to support BACnet, and LonWorks, two popular building management systems (BMS).



Cost-effective water flow control

DVM S WATER's built-in water flow controller helps regulate the amount of water used to cool and heat the outdoor unit. It determines the optimum flow of water based on the internal temperature of the space, economizing both the circulation pump's energy usage and costs. And because it's a standard option, businesses can eliminate the expense of purchasing a separate water flow control kit.



DVM S WATER

Premium comfort

Ensure continuous comfort with reliable performance

Samsung DVM S WATER is dedicated to supporting comfortable living and working environments based on the combined strengths of various technologies. Featuring central HVAC technology, DVM S WATER delivers stable performance unaffected by the surrounding environment. And VRF technology optimizes comfort with individual zone control with on/off temperature setting, custom air flow rates and scheduling.

Minimal noise level

Because of its low noise level, DVM S WATER won't disturb business or residential environments. Its water-cooled Plate Heat Exchanger eliminates the noise caused by an outdoor unit fan. In addition, the hermetically sealed case of the outdoor unit and compressor belt reduce any other noises produced.

