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Honeywell

Honeywell is a diversified global leader offering products and services in the areas of aerospace, control and automation technology, power generation, specialty chemicals, fibers, plastics, and electronic and advanced materials.

The company (HON) is traded on the New York Stock Exchange and is one of the 30 stocks included in the Dow Jones Industrial Average.

Additional company information can be found on the internet at [www.honeywell.com](http://www.honeywell.com).



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**Honeywell Water Solutions**  
Heating · Cooling · Potable Water

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# of course Hydronic Heating

## Residential Applications

When it's damp and cold outside we all depend on our heating systems to keep us warm and comfortable. Hydronic heating is most common in Europe since it provides even heat while operating efficiently and environmentally friendly. Whether thermostatic radiator valves, balancing valves or boiler valves - you can depend on Honeywell controls to evenly distribute and regulate heat.



## District Heating Residential Applications with District Heating

Central heat generating stations with coupling provisions are considered especially efficient and environmentally friendly heat sources. These stations power a district heating network which supplies heat directly to the home. At the home, Honeywell valves distribute this heat via a heat exchanger to the hydronic heating and hot water systems.



## Commercial Applications

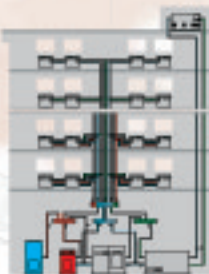
Heating and plumbing systems in large buildings are often complex. Adequate heat and hot water must be available at all times, even during peak demand. Also, there is a big potential for energy savings in these buildings. Honeywell controls, while ensuring optimal supply, save energy, thus are environmentally and budget friendly.



Honeywell valves for hydronic heating supply heat to where it's desired. They are energy efficient and provide comfortable temperature control. What's more, to meet modern standards, it's easy to upgrade older heating systems with Honeywell valves.



Even when heat is generated off-site, current heating systems work with Honeywell controls. Special valves and controls are available for district heating applications ensuring efficiency and comfort.



Honeywell controls have been successful for decades in public and large residential buildings whether inlet temperature control, heat distribution, excess system pressure protection, individual zone or room temperature control. Honeywell offers compatible product solutions for all needs.



Hydronic Heating

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## Cooling

### Four-Pipe Installations

In buildings featuring both heating and cooling systems, four-pipe installations are most commonly used for the distribution of hot and cold water throughout the conditioned space. Honeywell is the leading one stop supplier of product solutions for these applications, offering some multi-purpose controls and valves as well as others custom designed for cooling only.



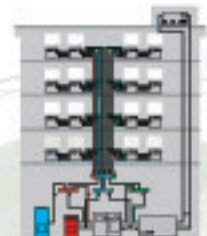
### Two-Pipe Installations

The two-pipe concept is simple and installation is economical. The same system of pipes is used in winter for heating and in summer for cooling. Because of these advantages, two-pipe installations are found in many European nations.

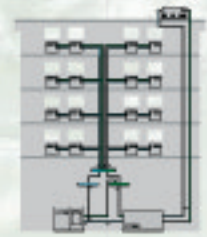


### Chilled Ceiling Buildings with Chilled Ceiling

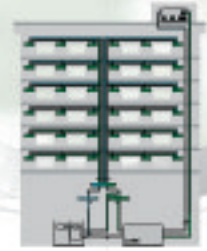
Not an insurmountable challenge for Honeywell! Our expertise with heat exchanger applications allows us to easily adapt this control to heating as well as cooling. Optimally engineered Honeywell valves easily control the higher flow rates required. Decades of experience in valve design are paying off!



The entire heating and cooling system performs optimally when equipped with Honeywell components.



Honeywell offers special controls for two-pipe-installations. These controls make it possible for the same system of pipes to be used for heating or cooling.



When the customer demands dependable chilled ceilings Honeywell controls are the installer's first choice, no matter what type of pipe, zone or sensor control is needed.



Cooling Control



Actuator



Cooling Valve



Heating Valve

## Cooling

# Cooling