



# **Turbonics** INC. **Valve Control Box**

Heating through the use of hydronic fan coils provides customers a high efficient healthy way of temperature control in an occupied space. No airborne particles as seen with ducted air systems combined with the heat transfer characteristics of hydronics makes Turbonics fan coils with the VCB the optimal solution for both retrofit and new construction projects.

Turbonics innovative Valve Control Box (VCB) is designed with the installer in mind as it streamlines installations of our fan coil units and valve controls, saving valuable labor time and equipment costs when compared to field fabricated installations. The VCB is a factory installed option on Kickster KWM6+ and 11+ fan coils.

Our prefabricated VCB also employs all of the modern controls and components for application flexibility while optimizing performance efficiency. Turbonics fan coils and the VCB are perfectly matched to provide more options for controls, features and operation than any other fan coil on the market. With a 300psi rating and universal connections to any line voltage thermostat, the VCB eliminates the need for costly pump regulating stations and additional heat exchangers throughout the structure. VCB systems allow for reduced flows and smaller pumps resulting in overall less energy usage for a truly LEED qualified green solution.

## Application Benefits

- 300psi working pressure for high rise projects
- Installation ease for multi-unit construction
- Individual thermostat control per unit
- Eliminate excess piping, pumps and heat exchangers
- Single point electrical connection
- Easy system balancing

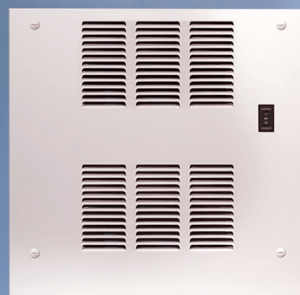
The VCB eliminates excess piping and provides easy single-point electrical connections for seamless installation. Add zone valves, auto flow control valves, full flow ball valves, purge valves and an on/off aquastat, which are all standard features to the mix and you have a turn-key solution for easy installation and serviceability never seen before in a factory fabricated system.

## Typical Installations:

- Condominiums
- Housing Complexes
- Dormitories
- High Rise Office Buildings and Apartments



**Kickster**  
Wall-Mount Hydronic Fan Coils

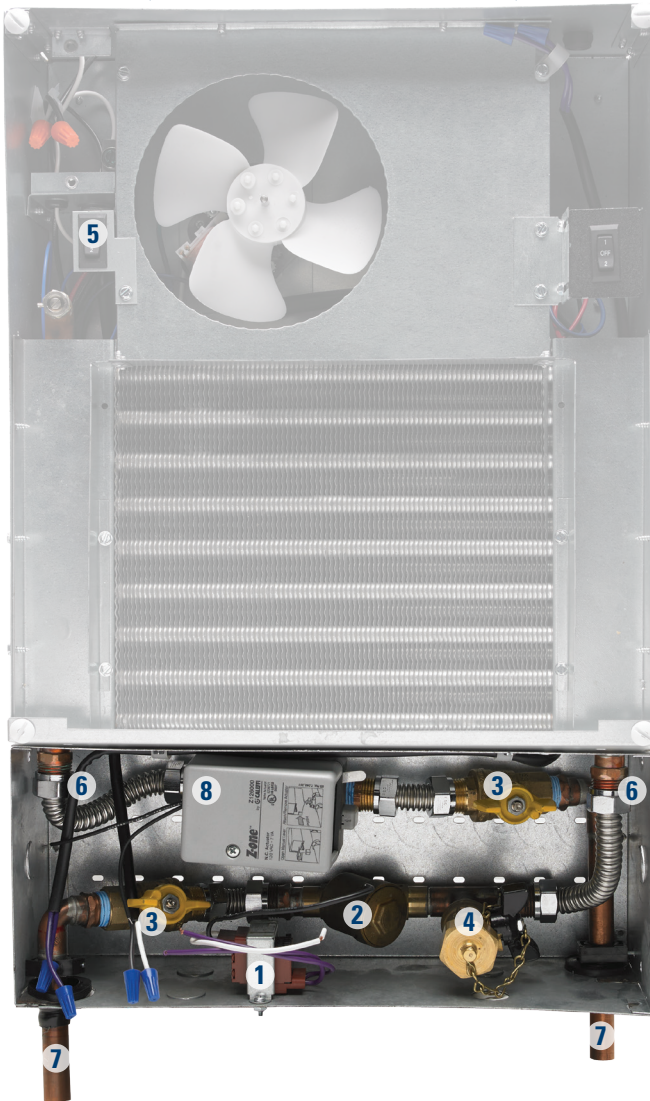




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**Box Fits Between Studs: 14.3" Width**

(Kickster Wall Mount KWM-11 Shown)



## **Benefits of the Hydronic Valve Control Box:**

- Installer Ready
- Factory Assembled and Tested
- Commercial Grade Componentry
- Easy to Install and Service
- Pre-wired Components
- Fixed Cost Installation – Eliminates Field Fabrication
- Clean Professional Factory Design
- Easy Connection to Thermostats & Additional Zone Valve Actuators
- Self-Balancing Hydronic System

## **Components:**

1. Transformer
2. Auto Flow Control Valves – With Interchangeable Flow Cartridges For Self-Balanced Systems
3. (2) Full Port Ball Valve Shutoffs – Ease of System Isolation for Service
4. Purge Valve – Easy Removal of Air/Sediment
5. On/Off Aquastat – Ease of Set-Up/Testing and Service
6. Stainless Steel Flexible Connectors
7. Standard 1/2" Sweat Connection
8. Zone Valve w/24V Actuator (120V Optional, No Transformer)



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