

“Old School Values, With a New School Touch”

Aurum Manufacturing is a Canadian based manufacturer specializing in replacement solutions for outdated fan coil systems. Aurum is dedicated to working closely with suppliers, vendors and contractors to deliver superior products for the end user. All Aurum model fan coils are made with the highest degree of quality and craftsmanship. Over the years, we have manufactured equipment for thousands of projects and applications for commercial and residential high-rise buildings. Stemming from a family with over 50+ years of mechanical experience in the high-rise industry, Aurum has focused their goal on creating solutions for energy efficiency, effective air control and movement. We work to build better economical and comfort solutions for all users involved.

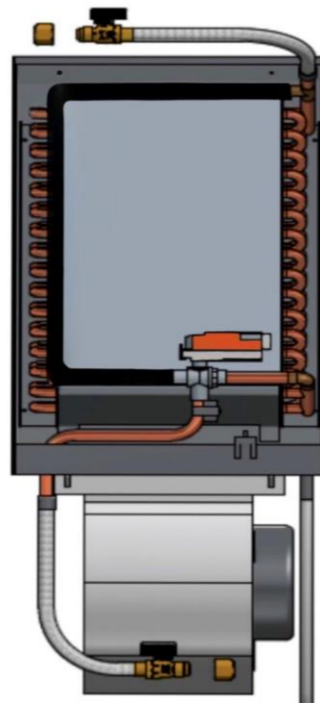
Aurum is working towards revolutionizing the HVAC industry through our commitment to purpose-driven engineering and continuous research of energy efficiency and air movement. We stand by our design and being a leader in the HVAC industry, we pride ourselves in being able to customize our models to meet and exceed our customers’ needs. Our standard fan coil units have been manufactured to fit the dimensions of almost all buildings that have been built within the past 50+ years. We also provide fan coil units of multiple sizes. Aurum’s flexibility and expertise allows us to provide designs that fit the building, rather than forcing the building to fit the equipment.

At Aurum, our core values define who we are and the decisions we make. Our product is designed with old school values, but with a new school touch. We stand by our mission statement to build products with the same type of precision, detail, craftsmanship and reliability as they were built years ago. In addition, our expertise allows us to build our products using the same reliable ideas that have supported us through decades but by revolutionizing these concepts using modern day technologies and superior efficiencies. Here at Aurum, our priority is to provide you with quality, reliability, comfort and care. We believe that success without integrity is meaningless. Aurum promises to work tirelessly to meet and exceed the expectations of our customers with everything we do.

Benefits of a New Aurum Retrofit

With standard, and customizable sizing, Aurum Manufacturing’s new fan coil replacement chassis is suitable for almost every high-rise built within the last 50+ years. New Aurum Retrofits are designed to meet and exceed operations of previous fan coil systems by...

- ◆ Increasing the airflow in your home
- ◆ Increasing energy efficiency in fan coil operations
- ◆ Coming equipped with features that increase chance of detecting floods from overflows in drain pan
- ◆ Enhancing and creating optimal comfort in your home
- ◆ Reducing operation noise
- ◆ Lowering fan coil energy consumption
- ◆ Decreased air pressure drops with new coil
- ◆ Larger surface area of coil

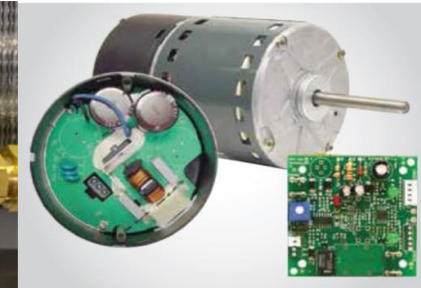


ZONETIGHT ACTUATOR AND VALVE



AQUASTAT

ECM TECHNOLOGY



FLOAT SENSOR

ECM Technology

- ◆ 80% electrically efficient (30-40% increase)
- ◆ 90,000+ hours operating life span

20 Gauge Stainless Steel Construction

- ◆ Virtually eliminates the possibility of rust occurrence

Zonetight Actuator and Valve (2 or 3 way)

- ◆ Zero Leakage
- ◆ Self-cleaning technology to be clog resistance
- ◆ Consumes 95% less power than conventional actuator

Drain Pan Float Sensor

- ◆ Increases chance of detecting floods that occur from the condensate pan, or condensate hose by cutting power to fan coil
- ◆ By cutting power to the thermostat, and/or signaling to audible alarm (optional) allows for easy identification from owner

Optional Features include audible water sensor, cabinet floor moisture sensor, and secondary room temperature sensors

24V Control Centre


- ◆ Easy plug and play compatible with most smart thermostats on the market

Aquastat


- ◆ Senses water temperature
- ◆ Sends signals to actuator to regulate

Easy Future Serviceability

- ◆ Union connections from valve bodies
- ◆ Braided stainless steel hoses are equipped with union connections for easy connect/disconnect from building supply and return.

 Dimensional Data Aurum Manufacturing			
Aurum Model	Length	Width	Height
BTR350Z / DTR350Z BTR450Z / DTR450Z BTR600Z / DTR600Z	15"	13.75"	23.75"
BTR800Z / DTR800Z	16.5"	13.75"	25.5"
BTR600ZW / DTR600ZW BTR800ZW / DTR800ZW BTR1000ZW / DTR1000ZW	16.5"	17.75"	25.5"



 Performance Data Aurum Manufacturing									
Aurum Model	Total ACFM	GPM Req.	Air Dry Bulb	Air Wet Bulb	% RH	Entering Water Temp	Standard Air Velo	Total SCFM	Total BTUH
BTR350Z DTR350Z	375	1.5	80	67	51.1	45	378	361	11037
BTR450Z DTR450Z	450	2	80	67	51.1	45	454	433	13213
BTR600Z DTR600Z	625	3	80	67	51.1	45	433	602	18232
BTR800Z DTR800Z	825	3	80	67	51.1	45	508	794	24733
BTR100Z DTR1000Z	1000	3.5	80	67	51.1	45	474	963	31202

Performance Data is subject to change without notice due to constant improvements and developments for the unit. Visit us online at www.aurum-m.ca for up-to-date data.



REPLACEMENT SOLUTIONS FOR AGING FAN COIL SYSTEMS