



## Water Circulation Pumps & Circulators

### 0018e® ECM High-Efficiency Circulator

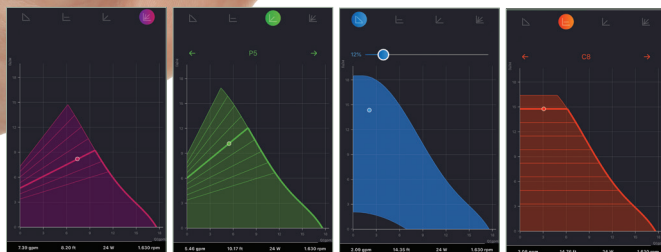
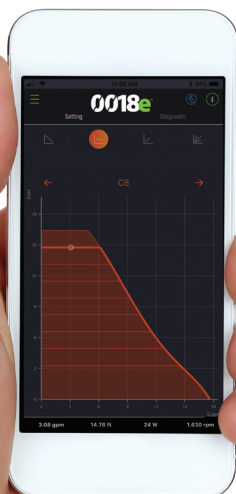
The 00e® series - 0018e featuring Bluetooth® is a versatile, variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor ideal for closed loop hydronic heating, open loop or domestic water applications. Download the Taco 0018e Mobile App to see and control real-time system performance. Run system operation & validation reports including performance diagnostics & history. Know the most efficient setting based on real-time feedback and alleviate the problems of over-pumping. You design systems with precision. The 0018e offers the performance & control to match.

#### It's time to take control!



2-Way Communication with  
the Taco 0018e ECM Circulator  
Mobile App featuring Bluetooth®

ECM Circulator



©Taco Catalog #100-157  
Supersedes: 08/16/21

Effective Date: 07/27/23  
Printed in USA

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Taco Comfort Solutions is under license.

## Features & Benefits

### Maximize system efficiency, maximize system control.



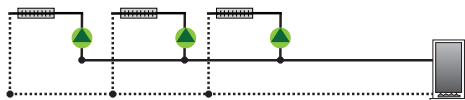
Use the Cast Iron 0018e with a Taco Switching Relay or Zone Valve Control

Use the Stainless Steel 0018e for open loop potable hot water systems with up to 1,000 feet of recirculation piping

- 18' Shut-off head, 16 gpm max flow
- ECM High-Efficiency motor uses up to 85% less electricity
- Easy-to-use dial
- 0018e mobile app for real-time performance display, system control and reporting
- 4 different operating modes:
  - Infinitely Variable Fixed Speed
  - Constant Pressure — Variable Speed
  - Proportional Pressure — Variable Speed
  - **TacoAdapt™** — Self-Adjusting, proportional pressure, variable speed
- Multi-color LED
- **SureStart®** automatic unblocking & air purge
- **BIO Barrier®** protects pump from system contaminants (Cast Iron only)
- Nut-grabber flanges for easier fit-up
- Dual electrical knock-outs and 6" stranded wire leads included for easy wiring
- Integral Flow Check (IFC®) included
- Whisper quiet operation
- Double insulated — no ground required
- Cast Iron models available with standard or universal flange
- Stainless Steel models available with universal flange or 1" union connection
  - Customizable 1/2" & 3/4" union fitting sets available in sweat, NPT or press (Sold Separately)

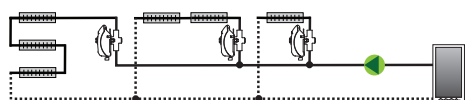
#### Typical Applications for Closed Loop Hydronic Heating Systems

##### Fixed Speed Mode (Min/Max) For zoning with circulators



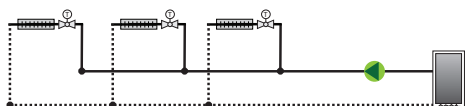
##### Constant Pressure Mode (ZV)

Across a series loop system using zone valves

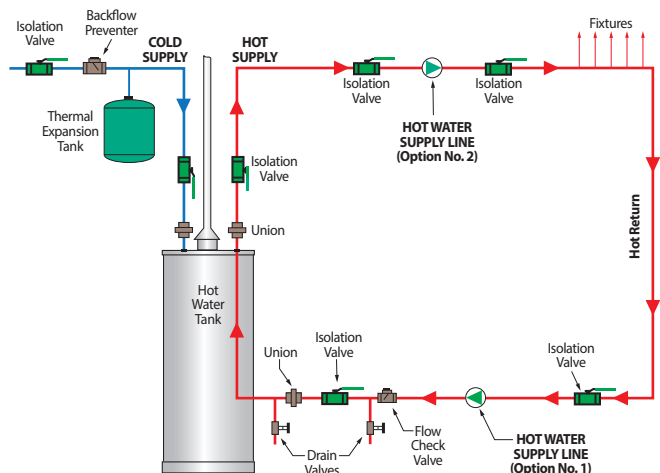


##### Proportional Pressure Mode (TRV) Across multiple panel radiators with thermostatic radiator valves

T = thermostatic radiator valve (TRV)



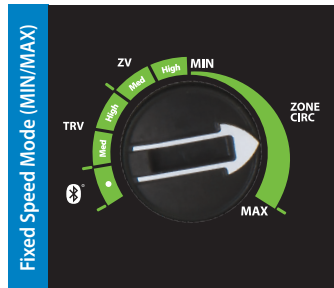
#### Typical Installation for Open Loop Hot Water Recirculation Systems



## Modes & Performance

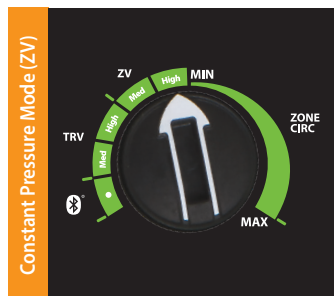
### Versatility & dependability

The 0018e is factory-programmed for **MAX Speed Setting**. Simply turn the dial to change speed, operating mode or activate Mobile App.



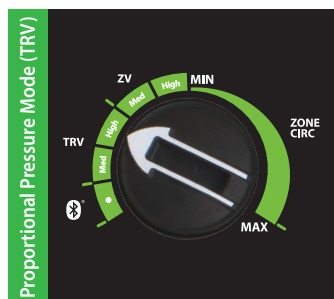
Fixed speed mode (Zone Circ) allows the installer to fine tune the circulator flow rate to precisely match design load conditions. It is infinitely variable between MIN/MAX settings.

Ideal for zoning with circulators and for domestic hot water recirculation.



In constant pressure mode (ZV), the circulator maintains a constant pressure differential ( $\Delta p-c$ ) in the system as heating load increases or decreases. Selections options are Medium or High.

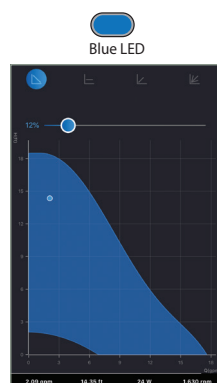
Best option for zoning with zone valves.



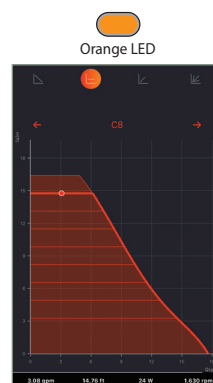
In proportional pressure mode (TRV), the circulator maintains a proportional pressure differential ( $\Delta p-v$ ) in the system as heating load increases or decreases. Flow will change in relationship to the change in pressure differential. Selections options are Medium or High.

Best option for panel radiators with thermostatic radiator valves (TRV) and for standard piping with crossover valves.

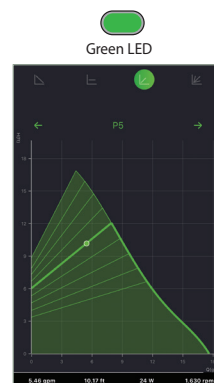
Go to the App Store or Google Play on your SmartPhone or tablet and download the **FREE Taco 0018e ECM Circulator Mobile App** to start taking control!



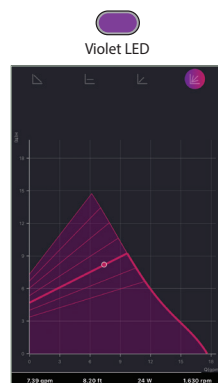
Infinitely Variable Fixed Speed



Nine Constant Pressure Curves



Nine Proportional Pressure Curves



TacoAdapt™: Self-adjusting Proportional Pressure

