

0018e™ ECM High-Efficiency Circulator

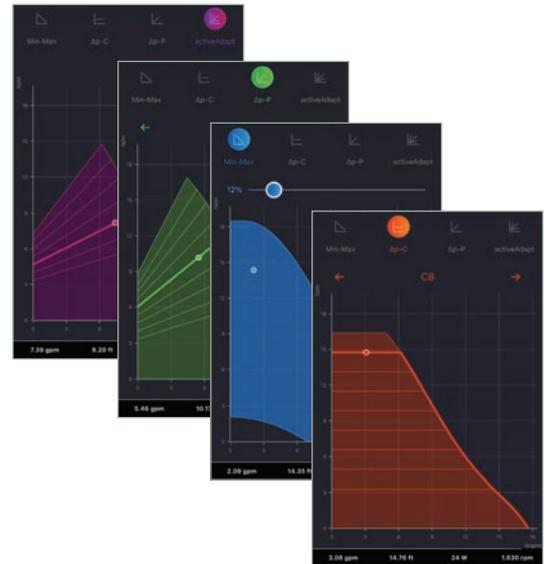
The 00e[®] series - 0018e featuring Bluetooth is a versatile, variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Download the Taco 0018e Mobile App to see and control real-time system performance. Run system operation & validation reports including performance diagnostics & 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.



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



It's time to take control!



- High-efficiency ECM motor uses up to 85% less electricity
- Simple mobile App for reading diagnostic data and setting operating modes
- **SureStart**® automatic unblocking and air purging mode
- **BIO Barrier**® filter protects pump from system contaminants
- Dual electrical knock-outs and 6" stranded wire leads included for easy wiring



Features & Applications

Maximize system efficiency, maximize system control.

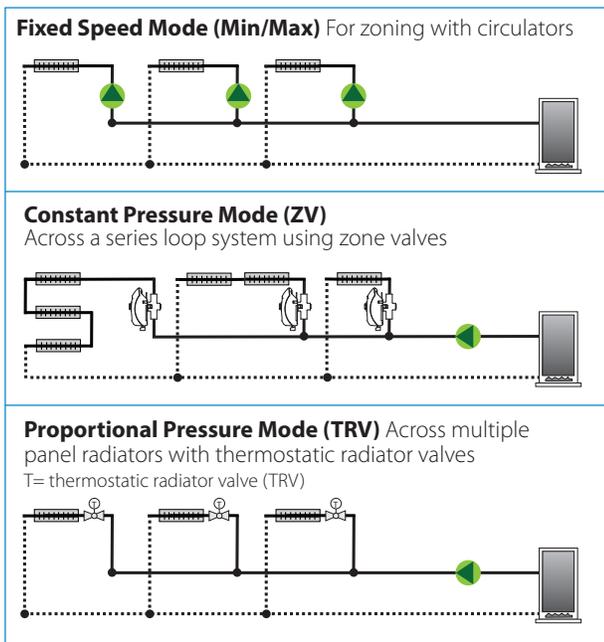
Save time on your next job with the Taco **0018e** ECM Circulator Mobile App!



- 18' Shut-off head, 16 gpm max flow
- ECM High-Efficiency motor
- Easy to use dial to set operating speed or pressure control
- Operates in 4 different modes:
 - Infinitely Variable Fixed Speed
 - Constant Pressure — Variable Speed
 - Proportional Pressure — Variable Speed
 - activeADAPT™ — Self-Adjusting, proportional pressure, variable speed
- 6 color LED displays:
 - Operating mode (Blue, Orange, Green or Violet)
 - **SureStart**® Automatic unblocking & air purge (White)
 - Error code diagnostics (Red)
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation
- Integral Flow Check (IFC®) included
- Whisper quiet operation
- Optional 2-way flange reduces SKU's and provides universal fit-up to any flange position
- Double insulated, no ground required



Typical Applications

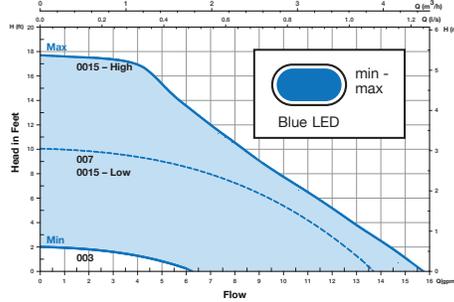
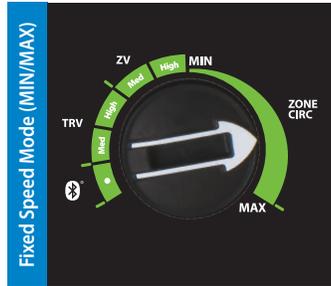


Replacement Chart (6-3/8" flange to flange dimension)

Taco	Grundfos	Armstrong	Xylem/B&G	Wilo
005	UP 15-10 F	Astro 230CI	ecocirc 19-14 auto	Star S 16F
006	UP 15-10 FR	Astro 230CI-R	ecocirc 19-14 vario	Star S 16FX
007	UP 15-42 F	Astro 250CI	NRF-22	Star S 21RFC
008	UP 15-42 FR	Astro 250CI-R	NRF-25	Star S 21FX
00R	UPS 15-42 F	Astro 20	NRF-9F/LW	Star S 21F
00R 3-Speed	UPS 15-58 FC	Astro 25		Stratos ECO 16 RFC
0015 3-Speed	UPS 15-58 FRC	Astro 30		
	ALPHA 15-55F	Astro 30-3		
	ALPHA 15-55FR	Astro 50-3		
		Compass 20-20		

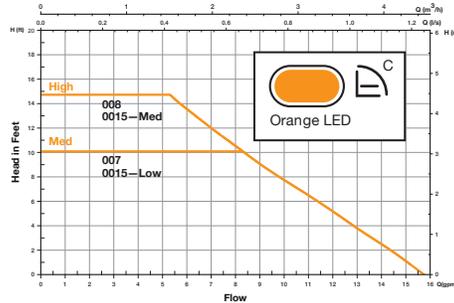
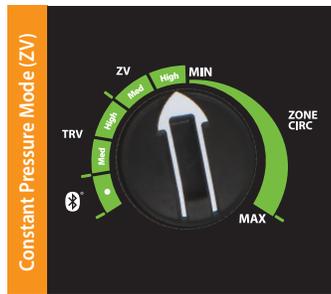
Versatility & dependability

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



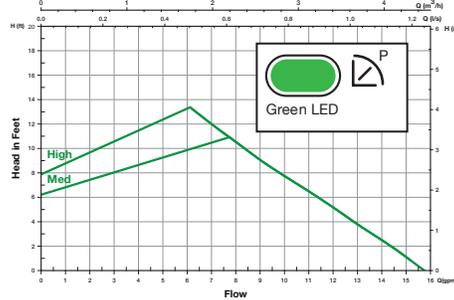
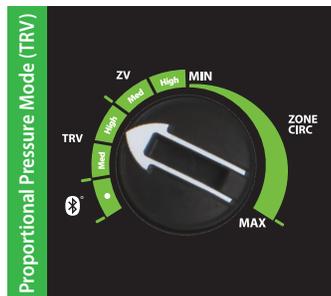
Fixed speed mode (Zone Circ) allows the installer to fine tune the circulator flow rate to precisely match design load conditions. It is infinitely variable between MIN/MAX settings.

Ideal for zoning with circulators.



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).

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!

Blue LED

Infinitely Variable Fixed Speed

Orange LED

Nine Constant Pressure Curves

Green LED

Nine Proportional Pressure Curves

Violet LED

activeADAPT:
Self-adjusting Proportional Pressure

2-way Bluetooth® communication

Submittal Data Information Taco 00e[®] series — 0018e[™]

Submittal Data # 101-207
Supersedes: New

Effective: 12/27/18

Specifications

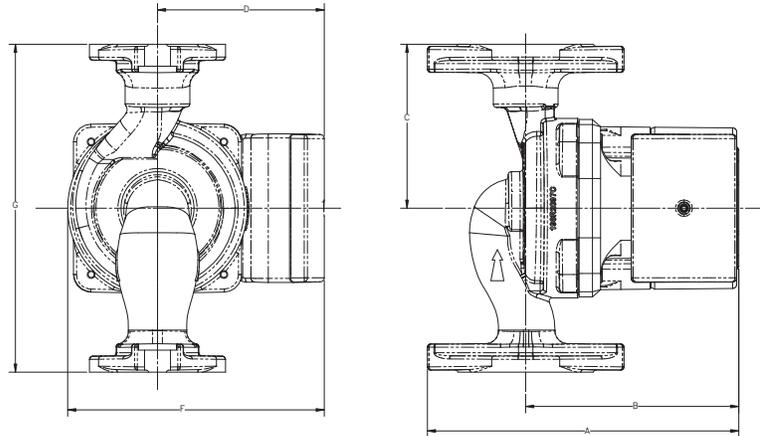
- Maximum Shut-off Head: 18 feet
- Maximum Flow: 16 gpm
- Maximum Operating Pressure: 125 psi (8.6 bar)
- Maximum Water Temp: 230°F (110°C)
- Minimum Water Temp: 36°F (2°C)
- Electrical specifications:
 - Voltage: 120V, 60 Hz
 - Single phase
 - Operating Power: 4W - 44W
 - Max. AMP Rating: 0.54
- Equipped with a cast iron casing and should be used for closed loop systems only
- Not suitable for chilled water or open loop potable water systems
- Taco circulator pumps are for indoor use only
- Acceptable for use with water or maximum of 50% water/glycol solution

Materials of Construction:

Casing:Cast Iron
 Stator Housing:Composite
 Cartridge:Composite
 Impeller:Composite
 Shaft:Ceramic
 Bearings:Carbon
 Thrust Bearing:Ceramic
 O-Ring & Gaskets:EPDM
 Integral Flow Check (IFC):
 Body, Plunger.....Acetal
 O-ring SealEPDM
 Spring.....Stainless Steel

Applications

The 0018e circulator is a variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include infinitely variable fixed speed to fine tune any zone, constant pressure for zone valve applications, proportional pressure for panel radiators with thermostatic radiator valves or self-adjusting activeADAPT™ auto mode. The 0018e is not suitable for chilled water or open loop potable water systems.



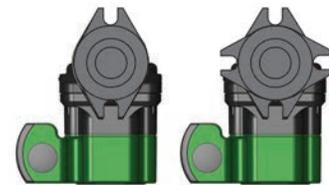
Pump Dimensions & Weights

Model Number Part Number	Flange Code	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0018e-2F2 VR1816-HY2-FC2A01	S	6	152	4-1/8	104	3-3/16	80	3-1/4	82	5	126	6-3/8	161	5.8	2.6
0018e-2F4 VR1816-HY2-4C2A01	U	6	152	4-1/8	104	3-3/16	80	3-1/4	82	5-1/8	130	6-3/8	161	6	2.7

Mounting Positions



Flange Orientation



Standard (S)

Universal (U)

Electrical Data

Model	Volts	Hz	Ph	Max.Amps	Max. Watts	RPM
All Models	120	60	1	.54	44	1590 - 4830
Motor Type	ECM, Permanent Magnet, Thermally Protected					



A Taco Family Company

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