

## 0015e3<sup>®</sup> ECM High-Efficiency Circulator

Taco 0015e3<sup>®</sup> is a variable speed, high-efficiency, wet rotor circulator with an ECM permanent magnet motor. It's ideal for hydronic systems zoned with circulators or zone valves. With 3 easy settings, the 0015e3 delivers performance, reliability and ease of installation that made the 00<sup>®</sup> famous.



- Replaces ALL 3-speed hydronic circulators in its class
- 3 easy settings — **Install it, forget it.**<sup>™</sup>
- **BIO Barrier**<sup>®</sup> protects pump from system contaminants
- **SureStart**<sup>®</sup> automatic unblocking and air purging mode
- High-efficiency ECM motor uses up to 85% less electricity
- **Green Mode** active system monitoring and automatic power optimization
- Integral Flow Check (IFC<sup>®</sup>) included



## Features

# The 0015e3<sup>®</sup> ECM circulator: Three settings. One reputation.



- 3 easy settings: LOW (5 feet head), MEDIUM (10 feet head), HIGH (18 feet head), 16 gpm max flow
- Dual electrical knockouts, 6" stranded wire leads included for easy wiring
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation
- Optional 2-way flange model reduces SKU's and provides universal fit-up to any flange position
- Double insulated — No ground wire required
- Whisper quiet operation



### Orange LED:

Indicates 0015e3 running normally



### SureStart<sup>®</sup> LED:

The White LED indicates that the innovative **SureStart** automatic unblocking and air purge is active. **SureStart** gives you the confidence that you'll never get a locked rotor with the 0015e3 — **Install it, forget it.™**

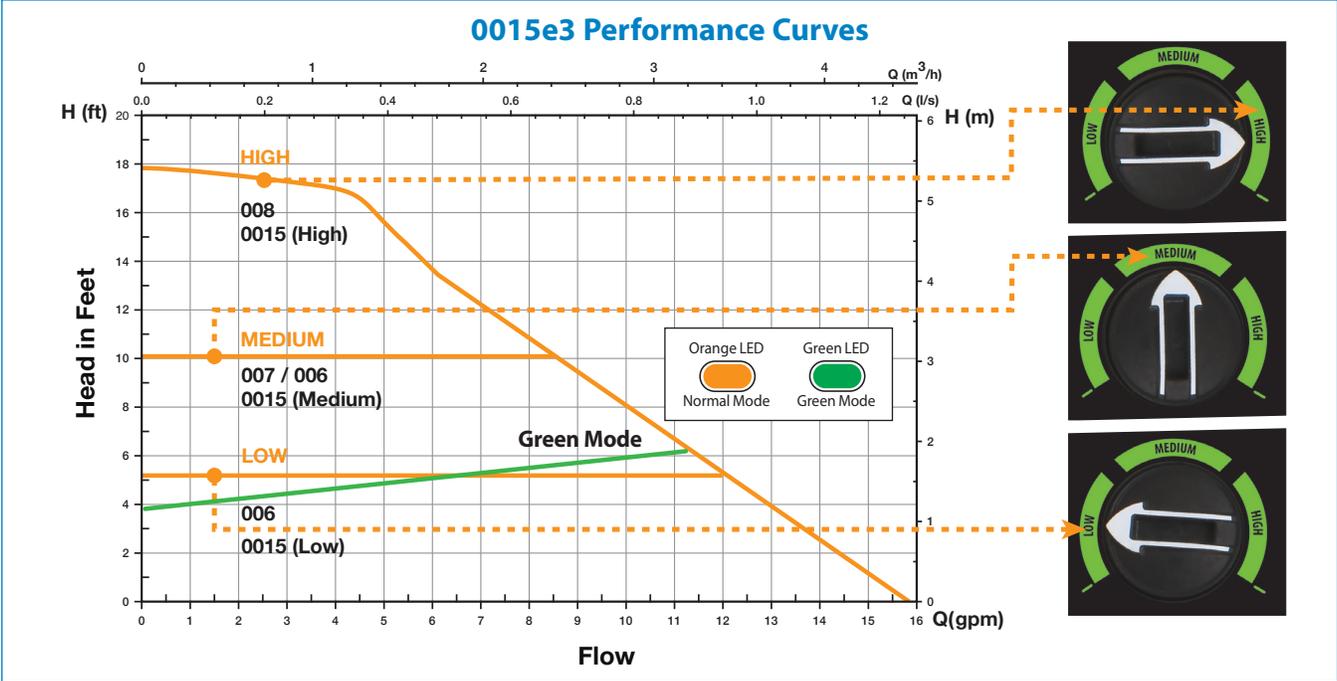


### Green Mode LED:

Indicates the 0015e3 is running in **Green Mode** for power optimization

## 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	UPS 15-58 FC	Astro 25		Stratos ECO 16 RFC
3-Speed	UPS 15-58 FRC	Astro 30		
0015	ALPHA 15-55F	Astro 30-3		
3-Speed	ALPHA 15-55FR	Astro 50-3		
		Compass 20-20		



The 0015e3 circulator provides three maximum ft of head pressure settings to match system requirements. Selection options are **LOW** (5 feet), **MEDIUM** (10 feet), or **HIGH** (18 feet). See chart above for the equivalent 00® model at each setting. The LED will be orange in all 3 settings.

**Setting Selection Guideline:**

- LOW = 85 ft. x 3/4" copper\*
- MEDIUM = 165 ft. x 3/4" copper\*
- HIGH = 245 ft. x 3/4" copper\*

\* Longest circuit in system

The 0015e3 performance curves are ideal for hydronic zoning to reduce velocity noise or banging of zone valves closing against high head pressure circulators.

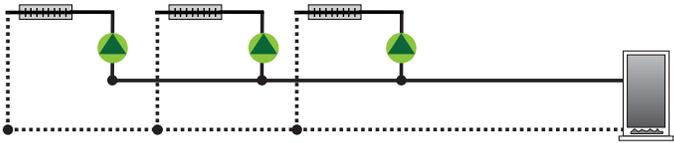
The factory default setting is **MEDIUM** which is ideal for most residential baseboard type systems zoned with circulators or zone valves. Adjust the dial to change the operating curve to meet system requirements.

**Green Mode:**

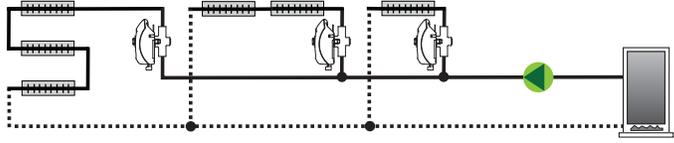
When set to **LOW setting only**, after 12 hours of constant running, the 0015e3 will automatically change to Green Mode, Low Proportional Pressure curve for power optimization. (See Green Mode curve above). The LED will change to Green while in this mode. When the circulator cycles OFF, the 0015e3 will reset to the original LOW setting.

**Typical Applications**

**For zoning with circulators**



**Across a series loop system using zone valves**



# Submittal Data Information Taco 0015e3<sup>®</sup> ECM Circulator

Submittal Data # 101-201

Effective: 03/20/18

Supersedes: 04/20/17

## Specifications

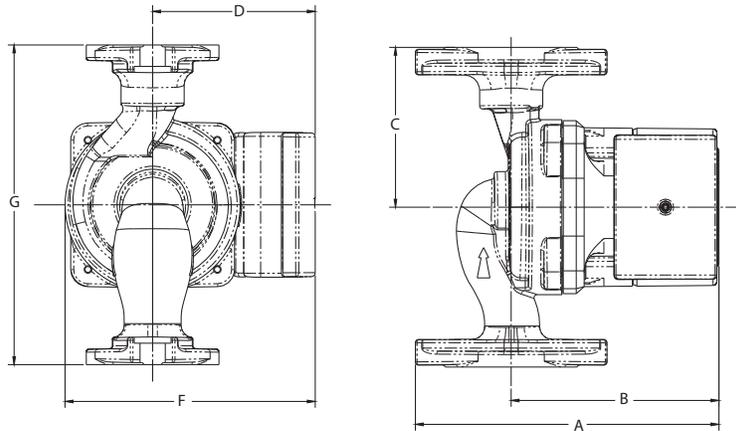
- Max. Shut-off Head: 18 feet
- Max. Flow: 16 gpm
- Max. Operating Pressure: 125 psi (8.6 bar)
- Max. Water Temp: 230°F (110°C)
- Min. Water Temp: 36°F (2°C)
- Electrical specifications:
  - Voltage: 120V, 60 Hz
  - Single phase
  - Max. Operating Power: 44W
  - Max. AMP Rating: 0.54
- Equipped with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

## Materials of Construction:

Casing: .....Cast Iron  
 Stator Housing: .....Composite  
 Cartridge: .....Composite  
 Impeller: .....Composite  
 Shaft: .....Ceramic  
 Bearings: .....Carbon  
 Thrust Bearing: .....Ceramic  
 O-Ring & Gaskets: .....EPDM

## Applications

The 0015e3 is a variable speed, high-efficiency, wet rotor circulator with an ECM permanent magnet motor. Its ECM performance is equivalent to the Taco 0015 3-Speed circulator and is ideal for hydronic systems zoned with circulators or zone valves. The 0015e3 is not suitable for potable water or chilled water systems.



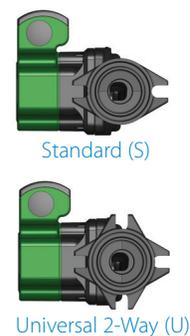
## Pump Dimensions & Weights

Model (Part Number)	Flange Type	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0015e3-2F2 (VM1816-HY2-FC2A00)	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
0015e3-2F4 (VM1816-HY2-4C2A00)	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 Type



## Electrical Data

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



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