

# Water Circulation Pumps & Circulators

## **9026**e ECM High-Efficiency Circulator

The 0026e<sup>™</sup> is a high-performance, variable speed, wet-rotor circulator with high-efficiency ECM permanent magnet technology. With 5 easy settings, its variable speed performance curves are equivalent to the Taco 0010, 0011, 0012, 0012 3-Speed & 0014. Ideal for large residential and light commercial hydronic heating, chilled water cooling and domestic hot water systems. The 0026e reduces power consumption by up to 85% compared to equivalent AC permanent split capacitor circulators. With a maximum of 26 feet of head and 44 gpm, it is available in either Cast Iron or NSF certified Stainless Steel.





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## **Applications**



#### **APPLICATION:**

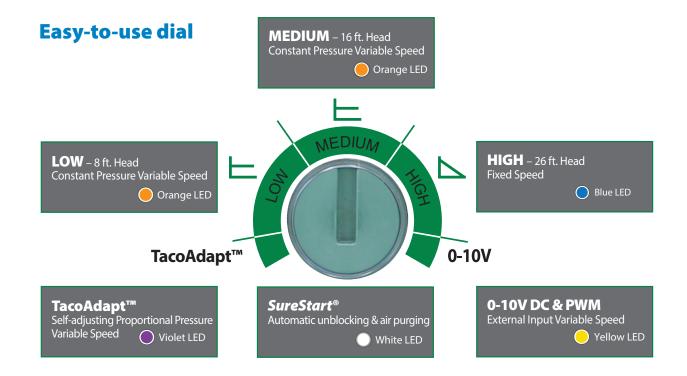
- Maximum operating pressure: 150 psi (10.3 bar)
- Maximum fluid temperature: 230°F (110°C)
- Minimum fluid temperature: 14°F (-10°C)
- Electrical specifications:

Voltage:

115/208/230V, 50/60 Hz, single phase Maximum operating power: 120W

Maximum amp rating: 1.0 (115V) / .50 (230V)

- Equipped with a cast iron or stainless steel casing
- Stainless Steel model suitable for open loop potable water systems
- Taco circulators are for indoor use only
- Acceptable for use with water or maximum of 50% water/glycol solution



## **Features**



## **FEATURES:**

- 5 easy dial settings to match system requirements
  TacoAdapt™, LOW, MEDIUM, HIGH or 0-10V
  DC analog or PWM digital signal external input
- **BIO Barrier**® protects the pump from system contaminants
- SureStart® automatic unblocking and air purging mode
- Replaces all single speed and 3-speed circulators in its class
- Multi-color LED: power on, mode setting and error code diagnostics
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation
- Nut-grabber feature on flanges for easier fit up
- Dual electrical knockouts and removable quick-connect terminal strip for easy wiring
- Whisper quiet operation
- Rotatable control cover to simplify installation







Stainless Steel Model Only Pump Replacement Chart (6-1/2" Flange-to-Flange Dimension)

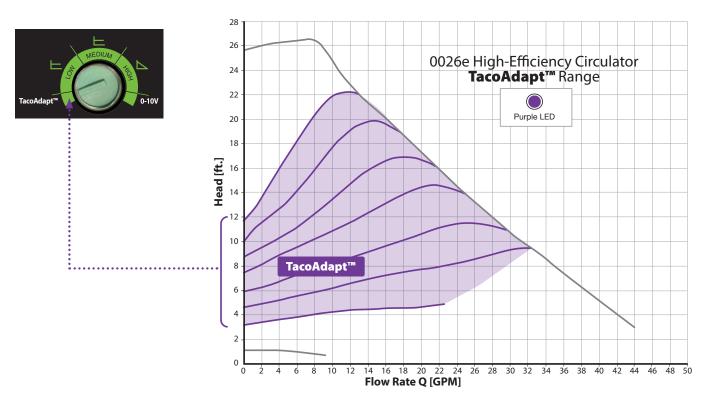
(6-1/2" Flange-to-Flange Dimension)										
Тасо	Bell & Gossett	Armstrong	Grundfos	Wilo						
2400-10	PL 50	E 13	UP 50-75	Stratos:						
2400-20	PL 30	E 11	UPS 50-44	1.25 x 3 – 25						
2400-30	Series e (e-601)	E 10	UP 43-75	1.25 x 3 – 20						
2400-40	Series 60 (601)	E 7	UP(S) 26-99							
110	Series HV	S 25	UP 26-96	Top S:						
111	Series PR	H 52	UP 26-64	1.25 x 15						
112	Series HV	H 51	UPS 32-40	1.25 x 25						
113	Series 100	H 32	UPS 32-80	1.50 x 20						
0010	NRF 36	Astro 280	Magna 32-60							
0011	ECOCircXL 20-35	Astro 210	Alpha2 26-99	Тор Z:						
0012	ECOCirc XL 36-45	Compass ECM		1.5 x 15						
0014				1.5 x 20						

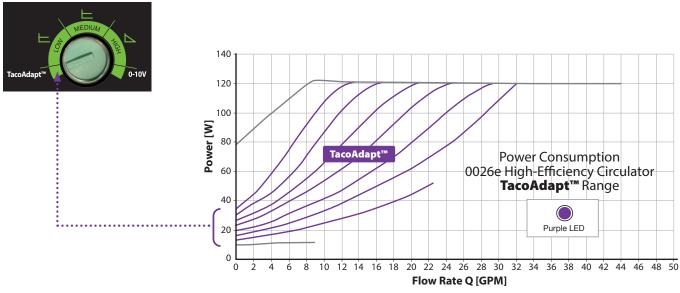
NOTE: Flange size and flange-to-flange dimensions will vary by competitive model and may require some piping changes.

## **Performance Curves**

## **TacoAdapt™ Mode:**

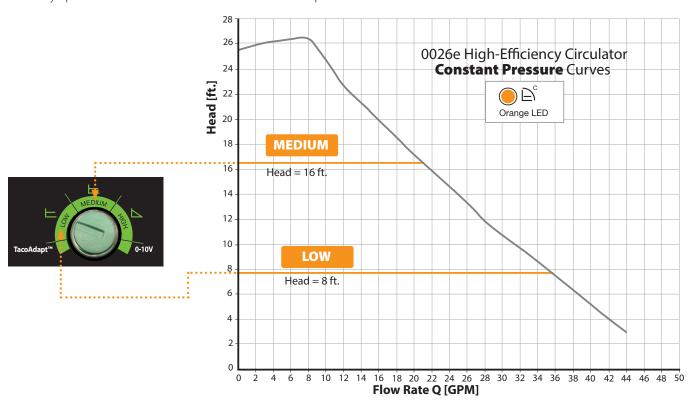
**TacoAdapt™** is an operating mode designed for constant circulation systems. On this setting, the circulator will sense changes in system flow and head conditions and adjust the operating curve automatically.

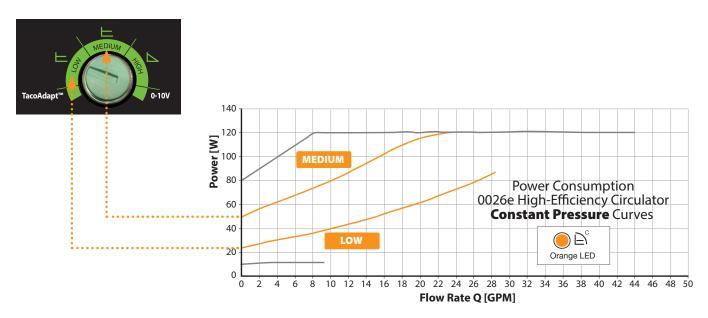




## **Constant Pressure Mode:**

At Low setting the circulator will vary speed to maintain 8 feet of head constant pressure. At Medium setting the circulator will vary speed to maintain 16 feet of head constant pressure.

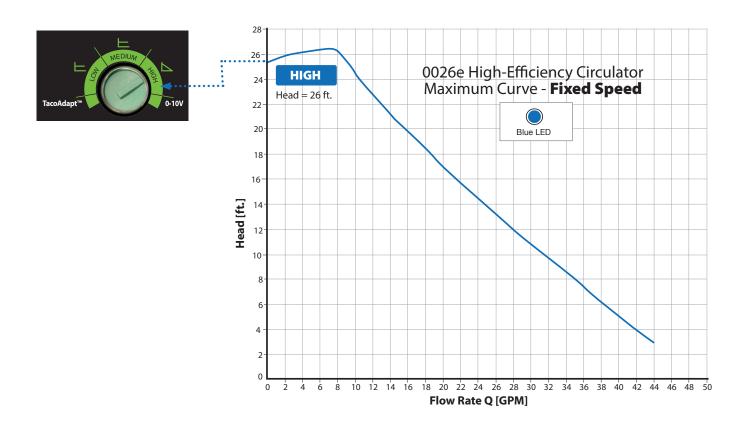


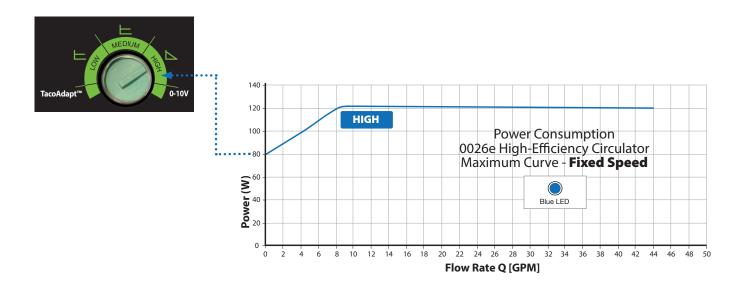


## **Performance Curves**

## **Fixed Speed Mode:**

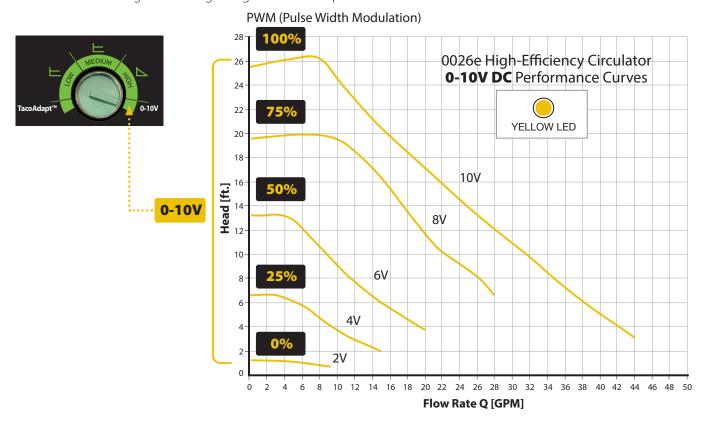
At High setting the circulator always operates at full speed.

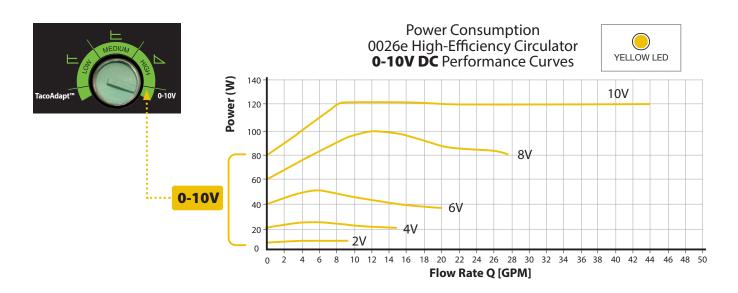




## 0-10V DC or PWM External Input:

The circulator will vary its speed and performance based on a 0-10V DC analog or PWM digital signal external input.





## **Submittal Data Information** 0026e™ ECM Circulator

Submittal Data # 101-194 Supersedes: 7/27/23

#### **Specifications**

- Maximum Shut-off Head: 26 feet
- · Maximum Flow: 44 gpm
- Maximum Operating Pressure: 150 psi (10.3 bar)
- Maximum Water Temp: 230°F (110°C)
- Minimum Water Temp: 14°F (-10°C)
- · Electrical specifications:

Voltage: 115V/208/230, 50/60 Hz Single phase

Operating Power Range: 10 - 120W

Max. AMP Rating: 1.0 (115V) - 0.50 (230V)

- · Equipped with a Cast Iron or Stainless Steel casing
- Suitable for chilled water systems
- Stainless Steel model suitable for open loop potable water systems
- Taco circulators are for indoor use only
- · Acceptable for use with water or maximum of 50% water/glycol solution

#### **Materials of Construction:**

Casing:	Ctainlass Ctaal
Stator Housing:	Composite
Control Base:	Composite
Control Cover:	Composite
Cartridge:	Composite
Impeller:	Composite
Shaft:	Ceramic
Rotor:	Neodymium
Bearings:	Ceramic
Thrust Bearing:	Carbon
O-Ring & Gaskets:	EPDM





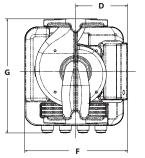


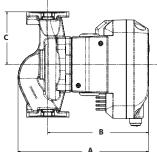


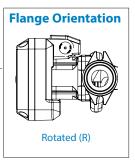
## **Applications**

**Cast Iron Model:** Closed loop, pressurized heating and chilled water HVAC systems **Stainless Steel Model:** Open loop, potable water systems

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Effective: 12/09/24

#### **Pump Dimensions & Weights**

Model Number	Casing	Flange Type	Α	В	C	D	F	G	Wt.lbs.
				[kg]					
0026e-F2	Cast Iron	R	8.05" [205]	6.22"	0.00	3.20"	3.20" 6.22" [81] [158]	7.05" [179]	10.5 [4.8]
0026e-SF2	Stainless Steel			[158]		[81]			

## **Electrical Data**

Model	Volts	Hz	Ph	Max Amps	Watts	RPM	
All Models	115/208/230	50/60	1	1	120	830 - 3800	
Motor Type	ECM, Permanent Magnet, Electronically Protected						







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