

Water Circulation Pumps & Circulators

• Delta-T operation maximizes

Viridian® — **VT2218** Delta-T Variable Speed, ECM High-Efficiency Circulator

The Viridian VT2218 circulator is a temperature sensing, self-adjusting, variable speed wet rotor circulator with an ECM permanent magnet motor. Operating modes include Delta-T differential temperature, 4 fixed speeds, set point heat, set point cool and boiler protection.



Resource Saving Products



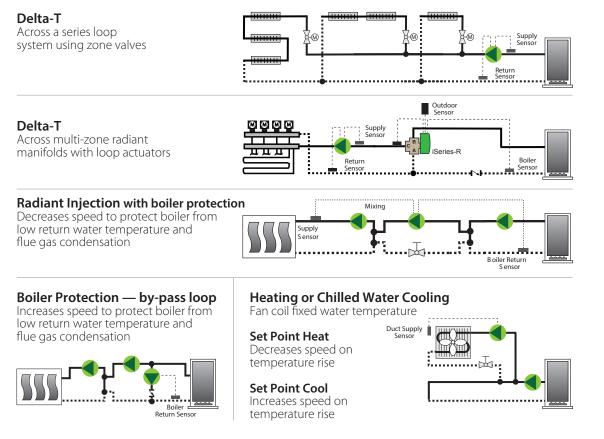
Features

The ONLY temperature sensing pump in its class.

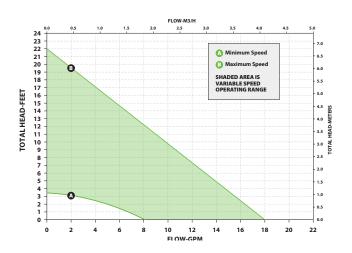
- 22' Shut-off Head, 18 gpm max flow
- ECM High-Efficiency Motor
- Operates in 5 different modes:
 - Delta-T (5-50°F) Variable Speed [factory pre-set : 20°F ΔT]
 - Multi-Speed (4 fixed speeds)
 - Set Point Heat (50-220°F) variable speed with boiler protection option
 - Set Point Cool (32-100°F)
 - Boiler Protection (100-160°F), protects boiler from low return water temperature
- Full Speed Over-ride
 - For system fill and purging
- Full backlit LCD displays:
 - Operating mode, temperature or speed setting, watts, supply & return temperatures
 - Error code diagnostics
 - English or Metric units
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation.
- Sensors and Integral Flow Check (IFC®) included
- Whisper quiet operation
- BIO Barrier[®] protects the pump from black system contaminants
- Sure Start mode automatically corrects locked rotor condition

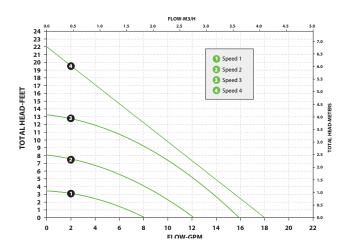


Typical Variable Speed Applications



Performance Curves for the Viridian® VT2218





Submittal Data Information Viridian[®] High Efficiency Circulator

Submittal Data # 101-169 Supersedes: 08/21/14

Effective: 07/10/15

Specifications

- Maximum Shut-off Head: 22 feet
- Maximum Flow: 18 gpm
- Maximum Operating Pressure: 125 psi
 (862 kPa)
- Maximum Water Temp: 230°F (110°C)
- Minimum Water Temp: 36°F (2°C)
- · Electrical specifications:

Voltage: 110-120V, 50/60 Hz, Single phase

Operating Power Range: 9W to 58W

Maximum AMP Rating: 0.67

- 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.

Materials of Construction:

Casing:	Cast Iron					
Stator Housing:	Aluminum/Composite					
Cartridge:	Stainless Steel					
Impeller:	Non-Metallic					
Shaft:	Ceramic					
Bearings:	Ceramic					
O-Ring & Gaskets:	epdm					
Integral Flow Check (IFC®):						
Body, Plunger	Acetal					
O-ring Seal	epdm					
Spring	Stainless Steel					



Applications

The VT2218 is a temperature sensing, variable speed circulator ideal for Delta-T or setpoint temperature applications. Typical uses include hydronic systems zoned with zone valves, radiant loops, injection pumping, snowmelt or hydro-air fan coils. Can also be used in constant speed mode for zoning with circulators, indirect water heaters or primary boiler loops.



Pump Dimensions & Weights

	Α		В		С		D		F		G		Ship Wt.	
Model	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
VT2218F	8-1/8	207	6	153	3-1/4	82	2	54	4-1/4	107	6-3/8	161	7-3/4	3.52

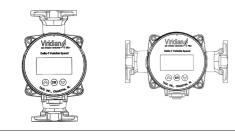
Electrical Data

Model	Volts	Hz	Ph	Max.Amps	RPM		
VT2218F	110/120	50/60	1	.67	1650 - 4200		
Motor Type	ECM, Permanent Magnet, Electronically Protected						

Maximum Watts

Speed 1	Speed 2	Speed 3	Speed 4		
9	24	40	58		

Mounting Positions







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