

Performance and Technical Specifications:

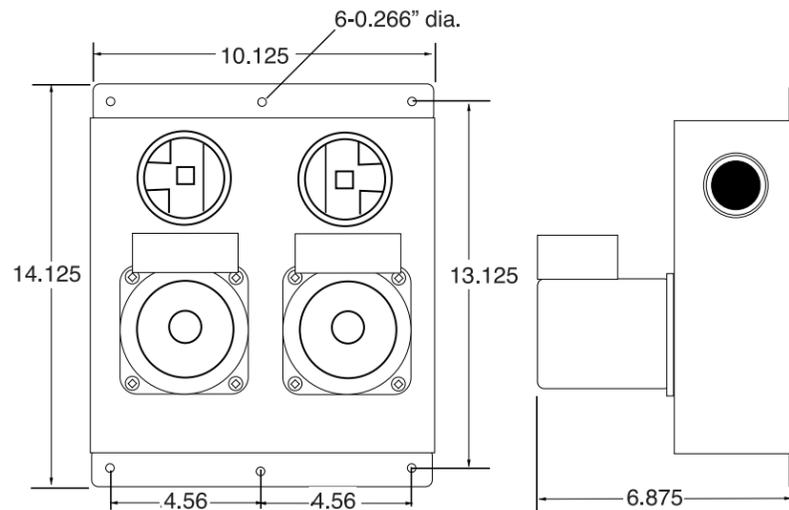
Specifications:

	Brass: AFCG1 Composite: AFCG1C	Brass: AFCG2 Composite: AFCG2C
Circulators	1 x Grundfos UP26-99F	2 x Grundfos UP26-99F
Loop piping connections	1" FPT	
Max operating pressure	150 psi	
Operating temp range	20-120°F	
Approved antifreezes	Methanol, Ethanol, Ethylene Glycol, Prop Glycol	
Weight	Composite: 25 Lbs. Brass: 36 Lbs.	Composite: 31 Lbs. Brass: 43 Lbs.
Mounting	Any configuration with pump shaft horizontal	

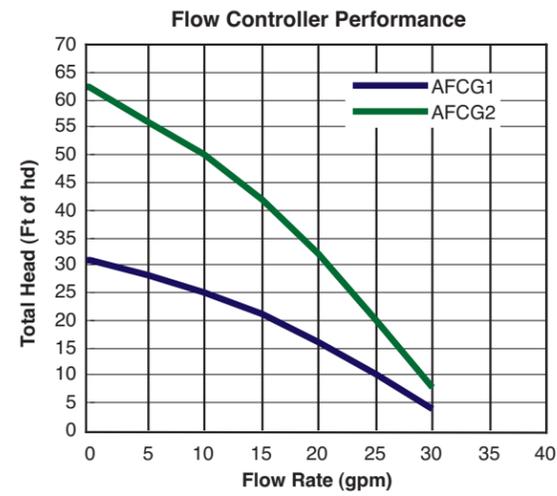
Electrical:

Model	Volts/ph	Amps	Watts Input	HP
Single Pump	230/1	1.07	245	1/6
Dual Pump	230/1	2.14	490	1/3

Dimensions:

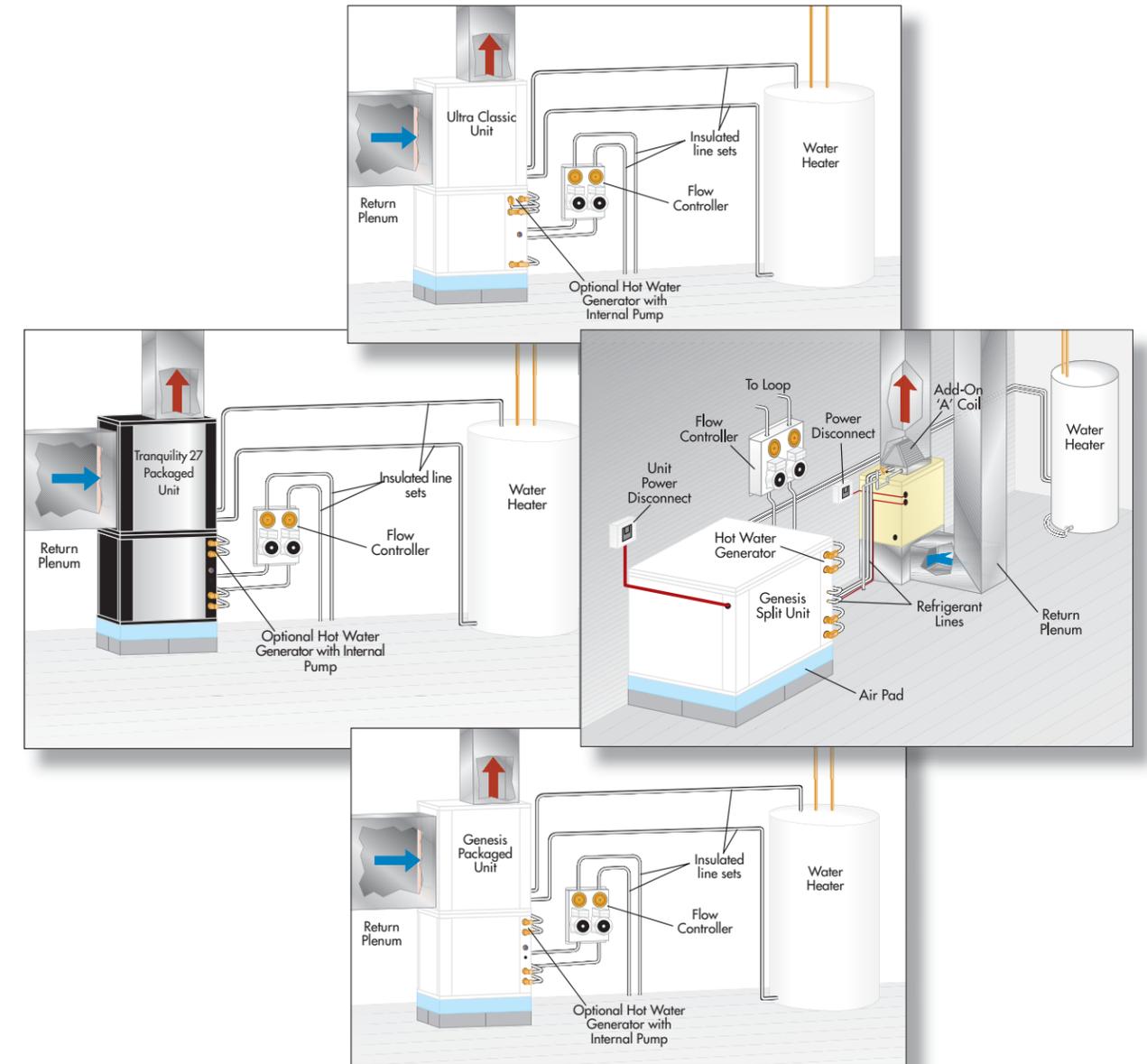


Performance:



Flow Controller™

Geothermal Loop Pumps



CLIMATEMASTER®
 7300 S.W. 44th Street
 Oklahoma City, OK 73179 U.S.A.
 Phone: (405) 745-6000
 Fax: (405) 745-6058
www.climatemaster.com

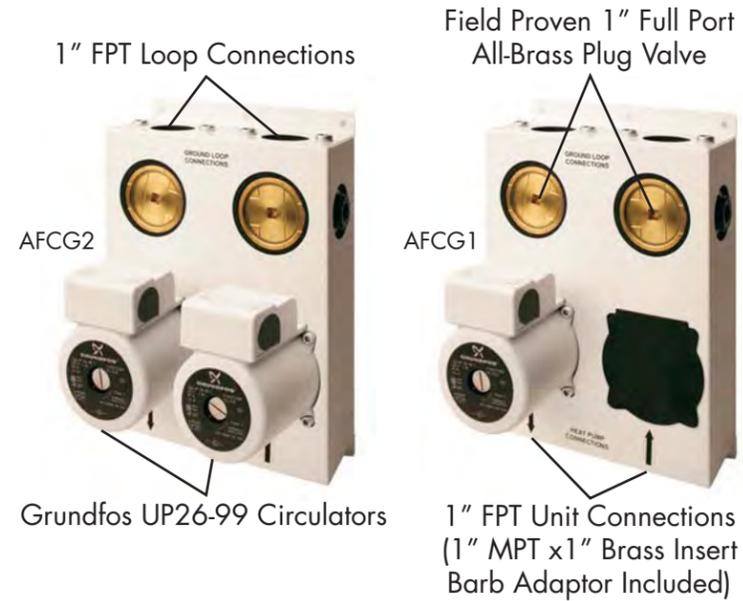
ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 1-405-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or commendation of its products.

As an ENERGY STAR® Partner ClimateMaster has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

CLIMATEMASTER®
 The Global Leader

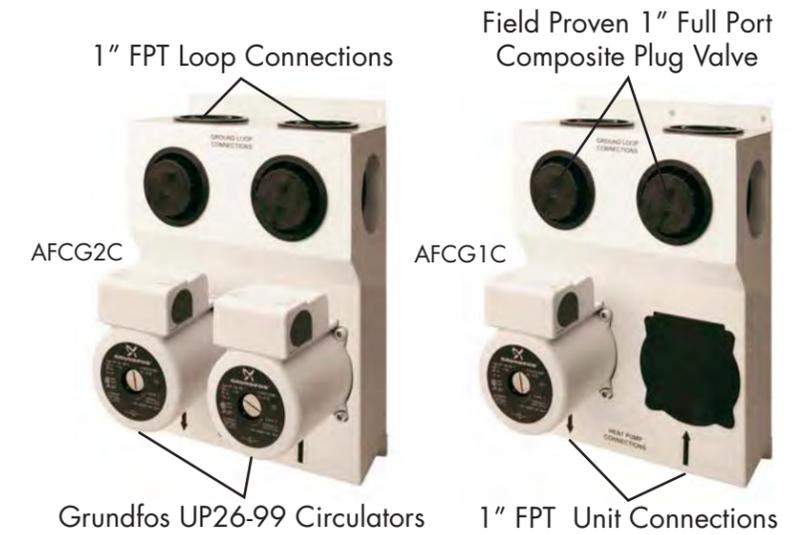
Flow Controller: Brass

- Single or double pump configurations
- Compact size, easy to install
- Highly reliable and field proven Grundfos UP26-99 Circulators
- Single Pump: 15 GPM @ 20' of head pressure
- Dual Pump: 15 GPM @ 40' of head pressure
- 3-way valve allows loop and unit to be flushed, filled, and isolated
- Attractive corrosion resistant epoxy powder coated galvanized cabinet
- Low pressure drop 1" full flow all-brass plug valve
- Easy-View valve position indicator
- Fully isolated polyurethane foam cabinet eliminates condensation
- 5-year limited warranty*



Flow Controller: Composite

- Single or double pump configurations
- Compact size, easy to install
- Highly reliable and field proven Grundfos UP26-99 Circulators
- Single Pump: 15 GPM @ 20' of head pressure
- Dual Pump: 15 GPM @ 40' of head pressure
- 3-way valve allows loop and unit to be flushed, filled, and isolated
- Attractive corrosion resistant epoxy powder coated galvanized cabinet
- Low pressure drop 1" full flow all-composite plug valve
- Easy-View valve position indicator
- Fully isolated polyurethane foam cabinet eliminates condensation
- 5-year limited warranty*



Item	Part Number	Description
Brass Flow Controller & Unit - Adaptors		
Transition Fittings	GTMA56INS	1.00" Brass MPT x 1.25" Barb Insert
	GTMA5INS	1.00" Brass MPT x 1.00" Barb Insert
	GFMA65	1.25" PE Fusion x 1.00" Brass MPT
	GFMC66S	1.25" PE Fusion x 1.25" Brass NPT
	GFMC56S	1.00" PE Fusion x 1.25" Brass NPT
	69183134	1.00" Brass MPT El x 1.00" Barb Insert with .25 port
	90B0001N02	1.00" Brass MPT x 1.25" NPT (PDW Adaptor)

Flow Controller - Hose Kits & Fittings		
Brass valve FPT Flow Controller Hose Kit	AHK5E	Includes brass fittings for unit and flow center with PT ports, & 10' of 1.00" rubber hose. 1.00" MPT x 1.00" Barb El w/PT port & 1.00" MPT x 1.00" barb insert.
Additional Hose	ARH510	10' of 1.00" Rubber Hose
	ARH550	50' of 1.00" Rubber Hose

Caution use of too much hose can cause pressure drop problems

Flow Regulators		
Flow Regulators are used with open loop systems in conjunction with a solenoid valve. System requirements are 1.5 to 2.0 GPM/ton for open loop applications. Note: use ball valve downstream to quiet operation.	AFRV*	2 GPM-10 GPM are Brass 0.75" FPT x 0.75" FPT * Specify GPM when ordering. Example 6 gpm = AFR6 - Call Factory for pricing and availability for larger than 9 gpm -

Pressure/Temperature Ports		
Used for accessing water pressure and temperature	70022002	Brass 0.25" MPT - Qty. 1
	70022003	Brass 0.50" MPT - Qty. 1

* When sold with a ClimateMaster unit.



Item	Part Number	Description
Composite Flow Controller - Double o-ring adaptor fittings, set of two		
Fusion	AFC6F	1.25" PE Socket Fusion
	AFC5F	1.00" PE Socket Fusion
Insert	AFC4I	1.00" Brass Barb Insert
Cam	AFC4C	1.00" Cam lever - for flush connections
Thread	AFC4T	1.00" MPT Brass Thread



AFC4I



AFC4C

Flow Controller - Hose Kits & Fittings		
Composite Valve Flow Controller Hose Kit	AHK5EC	Includes double O-Ring x 1.00" barb insert for connection to flow controller, 1.00" MPT x 1.00" barb insert el w/PT port for unit connection, & 10' of 1.00" rubber hose.
Additional Hose	ARH510	10' of 1.00" Rubber Hose
	ARH550	50' of 1.00" Rubber Hose

Caution use of too much hose can cause pressure drop problems

Pump Slaving Module		
Module w/NEMA enclosure	APSM	Allows a single flow controller to be controlled by 2 different units. Eliminates additional field wiring and extra relays.



APSM Module



AFC5F

AFC6F