



High-Efficiency Circulator

Grundfos ALPHA2

Grundfos ALPHA2 is versatile and efficient whether you use one of its seven speed or pressure control settings or simply leave it on the factory setting AUTOADAPT. The ALPHA2 with its ECM motor design reduces energy consumption by 50%, and in AUTOADAPT mode, will automatically analyze the heating system, find the optimum setting, continue to adjust its operation to changes in demand, and reduce power consumption by up to 85% ensuring the lowest possible energy consumption without sacrificing comfort.

Key Features and Benefits

- Simple push button control enables the ALPHA2 to be programmed in one of 3-constant speed, 3-constant pressure, or AUTOADAPT control modes. The current operating mode is always visible on the ALPHA2's LED display
- The large LED display shows the current energy consumption in Watts and estimated flow in gallons per minute
- For installation, you have the flexibility to use either our unique ALPHA Plug with line cord or the ALPHA2 with terminal box for conduit connections
- ALPHA2 is complete with an integrated check-valve, foam insulation jacket for CI only, and nut captures for flanges.

The Grundfos ALPHA2 circulator and AUTOADAPT are predicated on:

- 65 years of hydronic experience of how pumps work in countless applications and operating environments
- 15 years of ECM motor experience in the market
- ALPHA2 materials and design resist blockage from magnetite and iron oxide particles found in closed hydronic systems
- ALPHA2 is made at our Grundfos manufacturing plant in Fresno, California

- ALPHA2 comes in both cast iron and stainless steel models
- Robust startup enables the ALPHA2 to continuously attempt to restart – indefinitely – in blocked rotor conditions
- ALPHA2 can be used as a replacement for more than 30 competitor pump models

Applications

- Heating and cooling
- Hot water recirculation

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Possibility in every drop

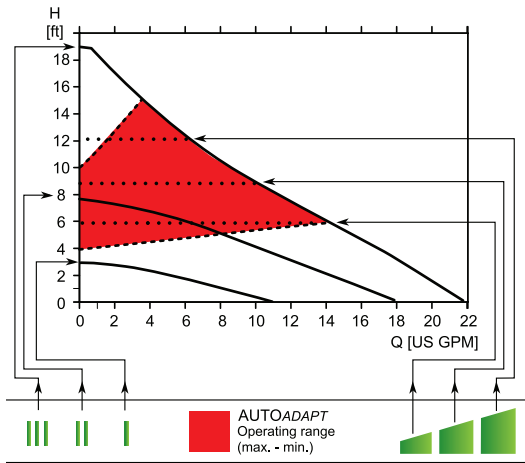
Technical Data

ALPHA2	
Flow, Q:	max. 21 gpm
Head, H:	max. 19 ft
Motor:	1 x 115V
Liquid Temperature:	36°F to 230°F
Working Pressure:	max. 150 psi
Watts:	5-45 W
AMPS:	0.65 A
Approvals:	ETL, NSF 61, NSF 372

Product Offering

Model	Description
ALPHA2 15-55F	Cast iron flange with terminal box
ALPHA2 15-55FR	Cast iron rotated flange with terminal box
ALPHA2 15-55SF	Stainless flange with terminal box
ALPHA2 15-55F/LC	Cast iron flange with line cord
ALPHA2 15-55FR/LC	Cast iron rotated flange with line cord
ALPHA2 15-55SF/LC	Stainless flange with line cord

Performance Data



ALPHA approximate power usage

Speed setting	Min.	Max.
High fixed speed	39W	45W
Medium fixed speed	15W	30W
Low fixed speed	5W	8W
Constant pressure	8W	45W
Constant pressure	14W	45W
Constant pressure	22W	45W
AUTOADAPT	5W	45W

Cross Reference Chart

Model	Grundfos	Taco	B&G	Armstrong	Wilco
ALPHA2 15-55F (LC)	UP 15-10F UP 15-42F UPS 15-42F UPS 15-58FC ALPHA 15-55F	005-F2-3 006-F7 007-F5-5 008-F6-1 008-F6-3 00R-F6-1 0015-MSF3-1	NRF-25 NRF-9F/LW Ecocirc 19-14 vario Ecocirc 19-14 auto	Astro 230CI-R Astro 250CI-R Compass 20-20	Star S 16FX Star S 21FX Star S 21RFC Stratos ECO 16 RFC
ALPHA2 15-55FR (LC)	UP 15-10FR UP 15-42FR UPS15-58FRC ALPHA 15-55FR	005-F2-2 007-F5 008-F6 00R-MSF 0015-MSF3	NRF-22 NRF-9F/LW	Astro 230CI Astro 250CI Astro 20 Astro 25 Astro 30	Star S 16F Star S 21F Star S 21RFC Stratos ECO 16 RFC

Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.