

# The Most Intelligent Circulator on the Market

## GRUNDFOS MAGNA3

MAGNA3 is the ideal all-purpose circulator pump for commercial heating and cooling applications. The permanent magnet motor, AUTOADAPT function and integrated frequency converter, make MAGNA3 a cutting-edge piece of intelligent technology - retaining Grundfos' unrivalled industry leading experience with electronic pumps. The upgraded MAGNA3-32 medium size model expands the range of this extremely energy efficient circulator into lighter demand applications including residential heating, cooling and hot water recirculation systems.



### Key Features and Benefits

- Intelligent control mode options ensure the MAGNA3 is optimized to meet application demands:
    - AUTOADAPT automatically adjusts pump operation to meet system demands and reduces energy consumption by up to 85%
    - FLOWLimit restricts maximum flow and reduces the need for pump throttling valves
    - FLOWAdapt combines the functionality of AUTOADAPT with FLOWLimit
    - Differential temperature control adjusts the pump's flow based on  $\Delta T$
    - Range of proportional pressure curve settings
    - Range of constant pressure curve settings
    - Range of constant curve/constant speed settings
  - Electronically commutated motor uses less than 50% of the energy of a standard motor
  - 360 [mNm] starting torque clears pump of system debris and sediment
  - Magnetite resistant design ensures longer life
  - Full range of single circulators in both cast-iron and stainless steel with twin models available for three largest operational capacities
  - Integrated pump, motor and control saves time and costs with easy installation
  - Easy to use, intuitive controls with LED indicator
  - Wireless multi-pump control includes a built-in wizard, making connection to a parallel coupled pump quick and easy
  - Built in diagnostics assist troubleshooting, energy tracking and logging without need for additional equipment
  - Automatic night setback ensures that MAGNA3 runs on the minimum curve when the built-in sensor registers a temperature drop
  - Wet rotor design allows for maintenance free and quiet operation
- Innovative Grundfos Eye provides visual indication of pump status: pump running, warning or alarm
  - Grundfos GO lets you use your smart phone to access interface, regardless of pump location
  - No external motor protection required, insulating shell supplied with pump

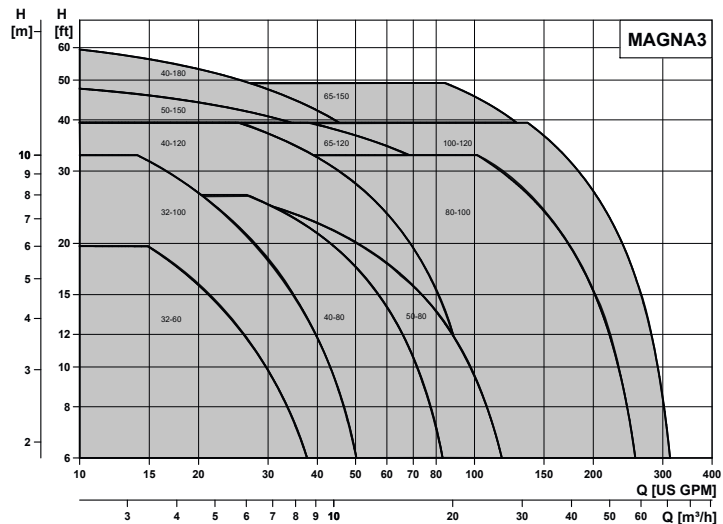
### APPLICATIONS

- Heating & cooling
- Ground source heat pump systems
- Hydronic venting
- Chilled water
- Snow melt
- Hot water recirculation
- BTU meter

MAGNA3 Technical Data

MAGNA3 INFORMATION  
(Single & Dual Head Models)

Flow, Q:	max. 484 gpm
Head, H:	max. 60 feet
Motor:	11 x 115V, 115-230V & 208-230V, 50/60 Hz
Working Pressure:	max. 175 psi
Liquid Temperature:	14° F to 230° F
Approvals:	ANSI/UL Standard 778 / CAN/ CSA Standard C22.2 No. 108 NSF/ANSI 372 (Stainless Steel housing only)



Pump Model	Cast Iron			Stainless Steel		
	115V	115-230V	208-230V	115V	115-230V	208-230V
MAGNA3 32-60 F (N)	-	98126820	-	-	98126822	-
MAGNA3 32-100 F (N)	-	98126824	-	-	98126826	-
MAGNA3 40-80 F (N)	98126800	-	98126828	98126802	-	98126830
MAGNA3 40-120 F (N)	98126804	-	98126832	98126806	-	98126834
MAGNA3 40-180 F (N)	98126808	-	98126836	98126810	-	98126838
MAGNA3 50-80 F (N)	98126812	-	98126840	98126814	-	98126842
MAGNA3 50-150 F (N)	98126816	-	98126844	98126818	-	98126846
MAGNA3 65-120 F (N)	98124696	-	98126848	98124702	-	98126850
MAGNA3 65-150 F (N)	-	-	98126852	-	-	98126854
MAGNA3 80-100 F (N)	-	-	98126856	-	-	98126858
MAGNA3 100-120 F (N)	-	-	98126860	-	-	98126862
Twin-Head Pump Models						
MAGNA3 D 65-150F	-	-	98126863	-	-	-
MAGNA3 D 80-100 F	-	-	98126864	-	-	-
MAGNA3 D 100-120 F	-	-	98126865	-	-	-