

# 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

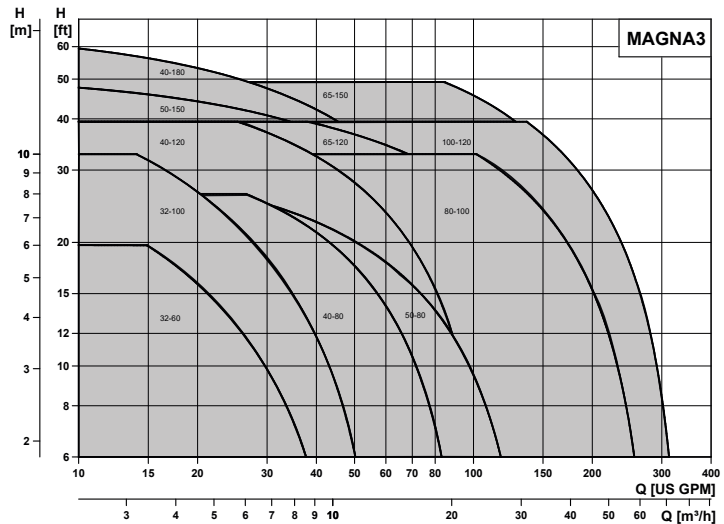
#### APPLICATIONS

- 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	-	-	981268587
MAGNA3 100-120 F (N)	-	-	98126860	-	-	981268621
<b>Twin-Head Pump Models</b>						
MAGNA3 D 65-150F	-	-	98126863	-	-	-
MAGNA3 D 80-100 F	-	-	98126864	-	-	-
MAGNA3 D 100-120 F	-	-	98126865	-	-	-

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