

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 ΔT
 - 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

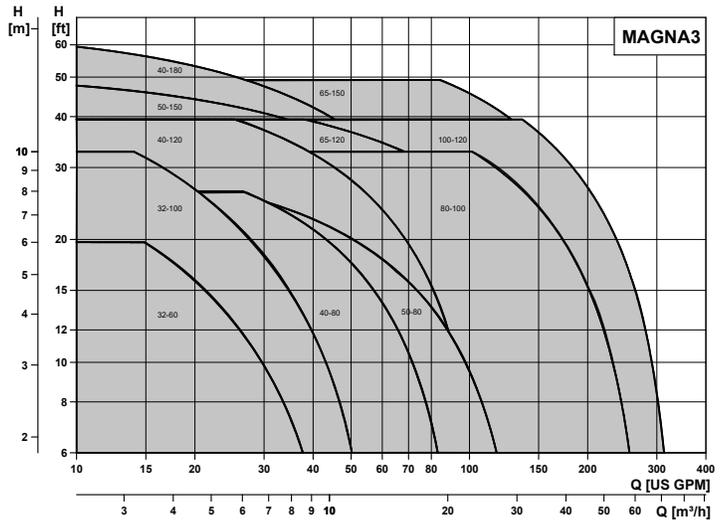
APPLICATIONS

- 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 | - | - | - |

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