



Engineered Solutions • Making Hydronics Easier

MAGNA3

Variable Speed Insulated Pumps

Geo-Flo's Magna3 Insulated Pumps provide an engineered solution to simplify your hydronic design by providing a "pre-packaged" pumping system with ECM motor, built in controls, and insulated cabinets/isolation valves.

An affordable application solution for:

- Geothermal Heat Pump Systems
- Water-Source (Boiler/Tower) Systems
- VRF Water-Source Systems
- Boiler Systems
- Chilled Water Fan Coils
- Variable Speed Zoning

Four Choices:

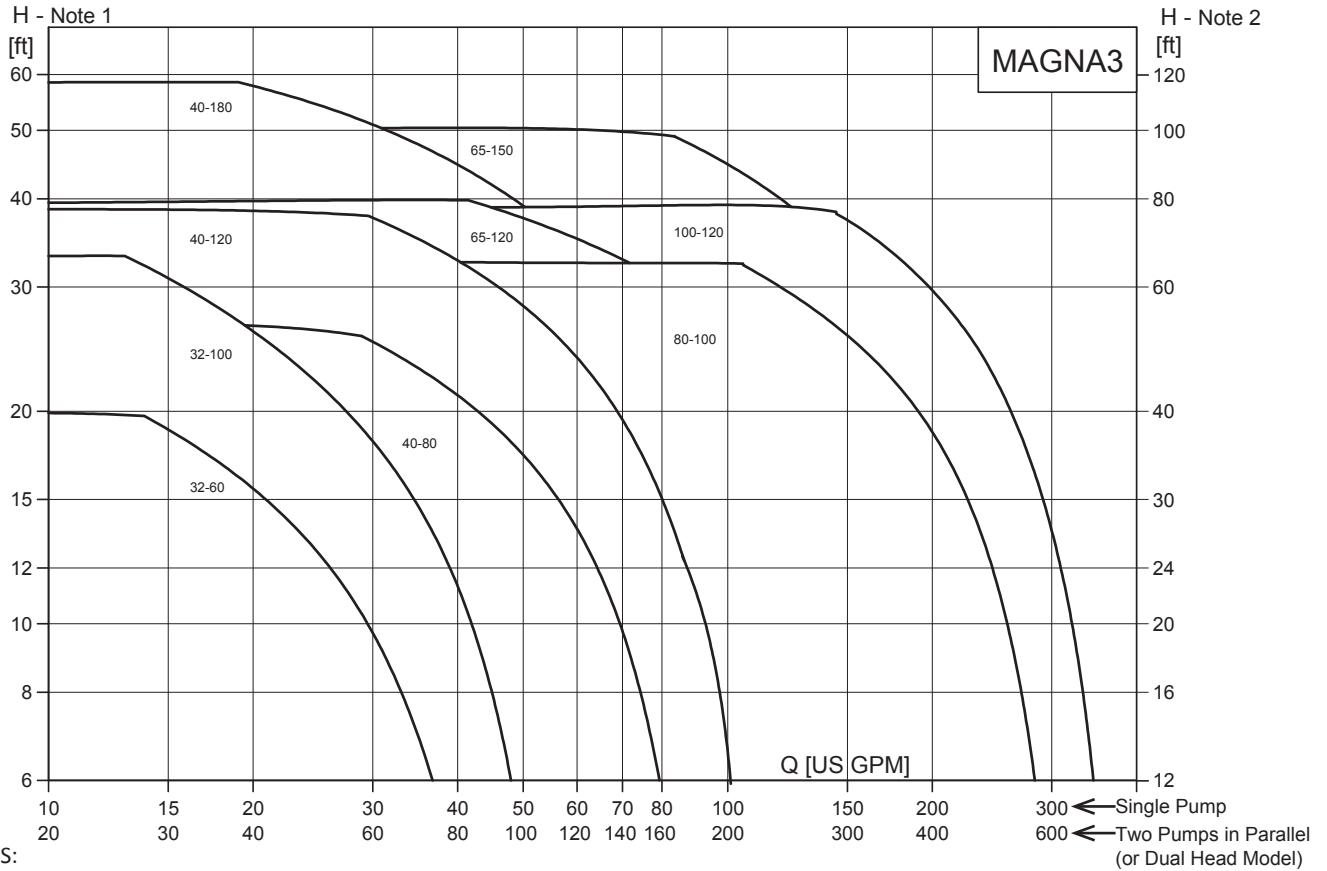
- Single Insulated Pump
- Insulated Pump with Check Valve (Parallel Operation)
- Dual Head Insulated Pump
- High Head Option (2 Pumps in Series)



Functions and Features

- **Insulated Cabinet:** Foam insulated powder-coated steel cabinet for wall mounting (40 & 65 series), or floor mounting stand with insulated cabinet (dual head, 80 series, 100 series).
- **Connections:** 2" FNPT (40 and 65 series), 3" or 4" ANSI 150# flange (dual head, 80 series, 100 series). Isolation valves (ball or butterfly) included. Check valves optional on single insulated pumps.
- **Integrated Controls:** Factory installed controls with internal differential pressure control, backlit display with user feedback and diagnostic faults, internal motor protection.
- **Wireless communication:** Primary/backup or cascade (lead/lag) control for two parallel pumps (dual head or two single pumps with check valves).
- **Applications:** Central pumping and primary-secondary using differential pressure control. Primary-secondary and one-pipe systems with delta-T control (with external controller). BMS controls (BACnet, LonWorks, Modbus) available.
- **Flow Rates / Performance:** Up to 600 U.S. GPM (dual head models) and up to 100 ft. of head (high head models). Meets or exceeds ASHRAE Class A pumping category.

Performance Curves



Typical Application

