GEO-FLO PRODUCTS CORPORATION
NEW PRODUCTS FOR 2009

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Product Development Engineer
VersaFlo® Commercial Modules
Overview

• Designed for very large residential and commercial installations

• VersaFlo® family consists of six modules (3 single pump, 3 double pump)

• Features industry’s first 2” full-flow, 3-way, 4-position flushing and service valve

• Utilizes Grundfos VersaFlo® wet-rotor circulating pumps
VersaFlo® Commercial Modules Capabilities

• Up to 75 GPM at 70 Ft. Head
• Up to 110 Ft. Head at 28 GPM
VersaFlo® Commercial Modules

Pump Details

- Grundfos Pumps VersaFlo® wet rotor circulators
- Pump models UPS32-160, UPS40-160, UPS40-240
- 3-Speed pumps
- Stainless steel impeller and cast iron housing
- Pumps available in single-phase, 230 volt and three-phase, 208-230 volt
VersaFlo® Commercial Modules

Valve Details

- Industry’s first geothermal specific 2” full-flow flushing and service valve
- Forged brass construction
- Standard ½” socket drive for actuation
- Symmetrical design allows actuation on both sides of valve
- Blow-out proof spool
VersaFlo® Commercial Modules

Module Details

- Single pump and double pump modules
- Push/pull configuration for all two pump models
- Embossed flow direction arrows
VersaFlo® Commercial Modules

Module Details

• Powder-coated steel cabinet

• Valve access on both sides of cabinet for installation flexibility

• Integrated front-flush valves

• Foam insulated for condensation protection
VersaFlo® Commercial Modules

Module Details

- Wall mounted for space savings
- Slotted mounting holes for installation ease
- Utilizes Flo-Link XL™ fittings for installation ease and flexibility

2” FPT X Flo-Link XL™
1-1/2” FPT X Flo-Link XL™
1” Cam X Flo-Link XL™ (Flush Fitting)
VersaFlo® Commercial Modules
Installation/Connections

- Flo-Link XL™ family of fittings for installation ease and choice of piping
- Leak-proof double o-ring seal design superior to tapered pipe thread
- Hand-tightened fittings; no torque transmitted to the module
- PE socket fusion and copper sweat fittings coming soon
1. Connect the Flo-Link XL™ fitting to your choice of pipe
2. Push the Flo-Link XL™ fitting into the valve; fitting seals on ID of valve
3. Hand tighten brass retaining nut
4. Adjust piping alignment as needed; pipe can be rotated without affecting the seal
VersaFlo® Commercial Modules Available Now!

- VersaFlo Modules now available
- Submittal sheets available online at www.geo-flo.com
The *Pressure Battery™* Geothermal Expansion Tank

- Eliminate your call backs!
- Pipe grade PE expansion tank designed specifically for closed-loop geothermal systems
- Retains pressure that would be lost due to pipe expansion
The Pressure Battery™
Geothermal Expansion Tank

- Standard 1-1/4” Socket Fusion
- Pipe-Grade High Density Polyethylene (HDPE)
- Custom Molded NBR Rubber Bladder
- Retaining Plate and Screws
The *Pressure Battery™* Geothermal Expansion Tank

**How it works**

1. **Installation**
   - Socket Fuse
   - Bladder
   - Air

2. **Pressurizing**
   - Loop Fluid
   - Air

3. **Completed Installation**
   - Equal pressure

4. **Operation**
The *Pressure Battery™* Geothermal Expansion Tank

- Butt-fused in controlled environment for a leak-proof tank
- No Schrader valves to leak or allow incorrect pressure setting
- Cannot corrode like standard metal expansion tanks
- Sized for up to a typical 5 ton horizontal ground loop
The *Pressure Battery™* Geothermal Expansion Tank

- Install in mechanical room or bury in header pit
- Eliminating a single call back pays for the *Pressure Battery™*
- *Pressure Battery™* now available
- Insulating cover available soon
SuperBrute XL Modules

- Module features Grundfos’ new 3-speed SuperBrute XL circulators
- Utilizes new 2” full-flow flushing and service valve and Flo-Link XL fittings
- Product developed in partnership with Grundfos
SuperBrute XL Modules

Electrical Data

- Speed 1: 262 W
- Speed 2: 346 W
- Speed 3: 376 W
SuperBrute XL Modules

Power usage

- UPS60-150: 376 W (Speed 3)
- UP26-99: 245
- UP26-116: 377 W
SuperBrute XL Modules

TWO UPS60-150 VERSUS THREE UP26-99 IN SERIES

- Two UPS60-150
- Three UP26-99s

Head (feet)

Flow (GPM)
SuperBrute XL Modules

- 208/230 V circulators
- Higher performance than existing UP26 series pumps
- 3-Speed pumps allows installers to dial in flow rate
- Single two-pump module can reduce inventory levels
- Available Nov. 2009
Thank You!

- Check our website for new products and product releases.
- www.geo-flo.com/