

## THERMAL SAVER 2000

**If you've ever felt that your paying just too much for hot water - those days are over.** The Thermal Saver 2000 uses the Earth's natural stored energy to cut your hot water costs. Not just by a little - BUT BY A TREMENDOUS AMOUNT. Savings you've probably never thought possible. FHP Manufacturing's Thermal Saver 2000 utilizes ground water or a liquid circulating through an underground closed loop. The water/liquid absorbs heat from the earth and uses it to heat the water you use in your home. The savings on your hot water costs can only be described as astounding. The Thermal Saver 2000 soon pays for itself in energy savings - and keeps right on saving you money year after year! Using the Earth's natural energy makes the Thermal Saver 2000 safe and clean to operate. It doesn't use a pilot light and produces no odor or fumes. By purchasing the Thermal Saver 2000, you may also qualify for a rebate from your local utility company. Don't hesitate, put the Earth's natural energy to work for you.



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## WW SERIES (AQUARIUS)

**Our WW Series water-cooled modular reverse cycle chillers are designed to meet all your replacement or new construction chiller needs.** Specifically designed and optimized for use with refrigerent R-410A, the industries alternative to R-22 ensures the availability of refrigerant over the service life of the unit. The WW Series is available in sizes from 3 to 35 nominal tons with single or dual compressor models that fit easily through a standard 36" door. The modular design

gives you the flexibility to install units individually or in any combination to match your load requirement. Our chillers have a fraction of the refrigerant charge of central station chillers and operate at a reduced sound level. If you need to replace an old chiller or install a new one, FHP has the versatility, design, and quick delivery to meet all your HVAC needs.

#### **SUPERIOR EFFICIENCY**

Our highly efficient units can greatly reduce operational costs while at full load or part load conditions. They may be selected to meet your specific load requirements greatly reducing the initial cost compared to large central station chillers.

#### **INCREASED REDUNDANCY**

Multiple unit installations provide redundancy that helps prevent unwanted down time during emergency repairs or scheduled maintenance. Modules can be added at any time to increase capacity.

#### **SPACE SAVINGS**

Modular chillers typically occupy far less space than standard central station chillers and can be moved and transported easily through doorways, elevators, or hallways.

#### **REVERSE CYCLE OPERATION**

Factory equipped with a reversing valve that offers unparalleled versatility for heating applications. The WW Series can be utilized for Hydronic Heating, Make-Up Air Applications, or Swimming Pool Heating just to mention a few of the many potential heating applications.



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## WP SERIES (MODULAR CHILLERS):

**Our WP Series water-cooled modular reverse cycle chillers are designed to meet all your replacement or new construction chiller needs.** The WP Series is available in sizes from 3 to 35 nominal tons with single or dual compressor models that fit easily through a standard 36" door. The modular design gives you the flexibility to install units individually or in any combination to match the exact load requirement. Our chillers have a fraction of the refrigerant charge of central station chillers and operate at a whisper quiet sound level. If you need to replace an old

chiller or install a new one, FHP has the versatility, design, and quick delivery to meet all your HVAC needs.

**SUPERIOR EFFICIENCY**

EER's up to 17.2 that can greatly reduce operational costs while at full load efficiency or at part load conditions. Our chillers can be sized for your exact load requirements greatly reducing the initial cost compared to large central station chillers.

**INCREASED REDUNDANCY**

Multiple unit installations provide redundancy that helps prevent unwanted down time during emergency repairs or scheduled maintenance. Modules can be added at any time to increase capacity.

**SPACE SAVINGS**

Modular chillers typically occupy far less space than standard central station chillers and can be moved and transported easily through doorways, elevators, or hallways.

**REVERSE CYCLE OPERATION**

Factory equipped with a reversing valve that offers unparalleled versatility for heating applications. The WW Series can be utilized for Hydronic Heating, Make-Up Air Applications, or Swimming Pool Heating just to mention a few of the many potential heating applications.



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### **GT SERIES (GEO-THERMAL):**

**Our Geo-Thermal units are recognized as the most efficient way to meet all your Heating and Cooling needs.** Available in Vertical and Horizontal models from 3/4 to 6 tons, Split models from 2 to 6 tons and Counterflow models 1/2 to 6 tons. Unlike air-to-air units, FHP's GT Series utilize the earth's ability to conserve energy. At a depth of 30 feet, ground water maintains a constant temperature within a single degree throughout the year. Even during temperature extremes, this system maintains its superior efficiencies. This temperature stability can be utilized by Well

Water and Geothermal (Geoexchange) systems. Our GT Series is specifically designed for applications with fluid temperatures from 25°F to 110° F.

**ENVIRONMENTALLY SAFE**

The Earth Coupled Systems emit no discharges or pollution. The ground water in the Well Water System is never exposed to the atmosphere and also causes no pollution.

**REAL COST SAVINGS**

Savings from 50% to 70% in heating bills and up to 40% in cooling costs... Plus you can get HOT WATER during the summer months with a Waste Recovery Unit.

**RELIABILITY**

With over 30 years of experience in heat pump technology behind every FHP unit, you can be sure of a quality product that will give you many years of trouble free service.



## **GS SERIES (GEO-SAVER):**

**Our Geo-Saver Series heat pumps feature the ECM fully programmable variable speed DC fan motor that provides desired air flow under all conditions for the greatest performance and comfort.** The motor's soft start and stop feature provides extra quiet operation. Available in Vertical, Horizontal and Counterflow models from 1 1/2 to 6 tons, to meet your specific requirements. Unlike air-to-air units, FHP's GS Series utilize the earth's ability to conserve energy. At a depth of 30 feet, ground water maintains a constant temperature within a single degree throughout the year. Even during temperature extremes, this system maintains its superior efficiencies. This temperature stability can be utilized by Well Water and Geothermal systems. Our GS Series is specifically designed for applications with fluid temperatures from 25°F to 110° F.

### **ENVIRONMENTALLY SAFE**

The Earth Coupled Systems emit no discharges or pollution. The ground water in the Well Water System is never exposed to the atmosphere and also causes no pollution.

### **REAL COST SAVINGS**

Savings from 50% to 70% in heating bills and up to 40% in cooling costs... Plus you can get HOT WATER during the summer months with a Waste Recovery Unit.

### **RELIABILITY**

With over 30 years of experience in heat pump technology behind every FHP unit, you can be sure of a quality product that will give you many years of trouble free service.



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## EV SERIES (ENVIRO-MISER)

**Our ENVIRO-MISER units were designed with the future of our environment as well as your economic future in mind.** The Enviro-Miser product has been designed with an environmentally friendly refrigerant (R-410A) that contains no CFC's or HCFC's to protect the earth's fragile ozone layer. This series provides quiet operation and maximum efficiency with a high efficiency scroll compressors.

Available in sizes 2 to 6 tons in Vertical, Horizontal and Counterflow models there is a model to suit every need. Unlike air-to-air units, FHP's EV Series utilizes the earth's ability to conserve energy. At a depth of 30 feet, ground water maintains a constant temperature within a single degree throughout the year. Even during temperature extremes, this system maintains its superior efficiencies. This

temperature stability can be utilized by Well Water and Geothermal (GeoExchange) systems. Our EV Series is specifically designed for applications with fluid temperatures from 25° F to 80° F in heating operation and 45° F through 110° F in cooling covering virtually any application you may encounter.

**ENVIRONMENTALLY FRIENDLY & SAFE**

Chlorine free R-410A refrigerant has no CFC's or HCFC's. You will be doing your part to help protect the earth's fragile ozone layer.

**PROTECTION FROM INCREASING REFRIGERANT COSTS.**

The EV Series gives you protection from potentially skyrocketing future maintenance costs associated with obsolete refrigerants. See cost of Freon 12 graph below as an example.

**RELIABILITY**

With over 30 years of experience in heat pump technology behind every FHP unit, you can be sure of a quality product that will give you many years of trouble free service.



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### **ES SERIES (ENVIRO-SAVER):**

**Our ENVIRO-SAVER units were designed with the future of our environment as well as your economic future in mind.** The Enviro-Saver product has been designed with an environmentally friendly refrigerant (R-410A) that contains no CFC's or HCFC's to protect the earth's fragile ozone layer. The Enviro-Saver Series heat pumps feature the ECM fully programmable variable speed DC fan motor that provides desired air flow under all conditions for the greatest performance and

comfort. The motor's soft start and stop feature provides extra quiet operation.

Available in sizes 1 1/2 to 6 tons in Vertical, Horizontal and Counterflow models there is a model to suit every need. Unlike air-to-air units, FHP's ES Series utilizes the earth's ability to conserve energy. At a depth of 30 feet, ground water maintains a constant temperature within a single degree throughout the year. Even during temperature extremes, this system maintains its superior efficiencies. This temperature stability can be utilized by Well Water and Geothermal Systems. Our ES Series is specifically designed for applications with fluid temperatures from 25° F to 80° F in heating operation and 45° F through 110° F in cooling covering virtually any application you may encounter.

**ENVIRONMENTALLY FRIENDLY & SAFE**

Chlorine free R-410A refrigerant has no CFC's or HCFC's. You will be doing your part to help protect the earth's fragile ozone layer.

**PROTECTION FROM INCREASING REFRIGERANT COSTS.**

The ES Series gives you protection from potentially skyrocketing future maintenance costs associated with obsolete refrigerants. See cost of Freon 12 graph below as an example.

**RELIABILITY**

With over 30 years of experience in heat pump technology behind every FHP unit, you can be sure of a quality product that will give you many years of trouble free service.



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### **ENVIRO-SAVER (TWO-STAGE SERIES)**

**FHP's two stage ENVIROSAVER goes beyond industry standards to bring you our highest efficiency unit together with the benefits of the new generation of**

**environmentally friendly refrigerant.** A heat pump operates at full load conditions less than 60 percent of the time so it is only logical to have a unit that can match the load profile. The ENVIROSAVER features Copeland's UltraTech™ Two Stage Unloading Scroll Compressor which, when controlled by a multistage thermostat, stages the compressor to match the actual demand for heating and cooling. The result - lower energy bills, increased comfort and better humidity control.

In addition to the UltraTech™ scroll compressor the ENVIROSAVER is equipped with an ECM (Electronically Commutated Motor) fan motor. This motor is factory programmed to vary the airflow based on the stages of compressor operation resulting in additional energy savings and a greater level of comfort in the living space. Both the UltraTech™ scroll compressor and ECM fan motor have been engineered for reduced sound making this the quietest unit on the market today.

All FHP ENVIROSAVER units come ready for operation in a geothermal application. Using the earth's energy to heat and cool your home is not only good for the environment but can result in savings of 60 percent or more over conventional heating and cooling systems.

Increase your energy savings with an internally mounted heat recovery system providing much of your hot water needs at virtually no additional operating costs.

#### **ENVIRONMENTALLY FRIENDLY & SAFE**

Refrigerant R-410A, the industry's choice as a replacement for refrigerant R-22, preserves the earth's fragile ozone layer and assures you of availability of supply for the life of the unit. Geothermal operation contributes to a cleaner environment without the need for an unsightly outside unit. Do not be caught with high service charges once refrigerant 22 has been phased out and is in short supply.

#### **EFFICIENCY**

Copeland's UltraTech™ unloading compressor for energy savings. Established scroll technology taken to the next level yet preserving the simplicity in design for increased reliability. Lower electrical utility bills.

#### **QUIET OPERATION**

ECM fan motors and the UltraTech's™ remarkably quiet operation, up to four times quieter than a reciprocating compressor, combine to give you truly whisper quiet operation.

#### **FHP QUALITY**

Electro coated evaporator coils together with a Galvalume® Plus finish and FHP's thirty years experience are your assurance of a quality product.