

2010-0509

**VILLAGE OF ORLAND PARK
SMART ENERGY FUND AGREEMENT**

THIS AGREEMENT, entered into this 15 day of November, 2010 between the Village of Orland Park, Illinois (hereinafter referred to as "Village") and the following designated Owner/Lessee, to witness:

Owner's Name: Vincent Tuohy

Lessee's Name: N/A

Name of Business: The Irish Patriot

Tax ID#/Social Security #:

27-2832614

Address of Property to be Improved: 9875 W. 143rd Street

PIN Number: 27-09-202-002

WITNESSETH:

WHEREAS, the Village of Orland Park has established a Smart Energy Fund for application within the Village of Orland Park (the "Village") and funded it through the American Recovery and Reinvestment Act of 2009 via the United States Department of Energy's Energy Efficiency and Conservation Block Grant (EECBG); and

WHEREAS, said Smart Energy Fund is administered by the Village for the purposes of helping property owners and tenants of commercial structures within the Village to conserve resources and install high performance, energy efficient and renewable energy systems; and

WHEREAS, pursuant to the Smart Energy Fund the Village, subject to its sole discretion, will reimburse Owners/Lessees for the cost of eligible energy efficiency/ renewable energy improvements to commercial structures within the Village up to a maximum of one-half (1/2) of the approved contract cost of such improvements or \$20,000.00, whichever is less; and

WHEREAS, the Owner/Lessee's property is located within the Village, and the Owner/Lessee desires to participate in the Smart Energy Fund pursuant to the terms and provisions of this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements obtained herein, the Village and the Owner/Lessee do hereby agree as follows:

SECTION 1

With respect to energy efficiency/ renewable energy improvements, the Village shall reimburse an Owner/Lessee for the cost of improvements to the Owner/Lessee's property at the rate of fifty percent (50%) of such cost.

The actual total reimbursement amounts per this Agreement shall not exceed \$20,000.00. The improvement costs that are eligible for Village reimbursement include all labor, materials, equipment, and other contract items necessary for the proper execution and completion of the scope of work as shown on the plans, design drawings, specifications and estimates approved by the Village. Such plans, design drawings, specifications, estimates and scope of work are attached hereto as Exhibit A.

The energy efficiency/ renewable energy improvements to be performed pursuant to this Agreement are:

Per Quality Filter Service bid:

- Install three (3) Heil Quiet Comfort VS 95 Series Gas Furnaces;
- Install three (3) Heil Quiet Comfort DXT+ Two-Stage Air Conditioners (16 SEER);
- Install two (2) Cyclone HE model BTX-80 Water Heaters (50 gallons);
- Install one (1) ICE1400-Modular Cube Ice Machine;
- Install six (6) heat exchanging grease filters (Thermal Recovery Heat Capture Systems);
- Install new energy efficient lighting at the Irish Patriot,

Three (3) Heil Quiet Comfort VS 95 Series Gas Furnaces

- 95% Annual Fuel Utilization Efficiency (AFUE);
- Energy Star Qualified;
- Variable speed furnaces, 100,000 BTU;
- 30%-35% more efficient than older units
- 50%-75% less electricity than regular blowers;

Three (3) Heil Quiet Comfort DXT+ Two-Stage Air Conditioners

- 16 SEER (Seasonal Energy Efficiency Ratio);
- Energy Star Qualified;
- Two-stage condenser units;
- 44% more efficient than older units;

Two (2) Cyclone HE model BTX-80 Water Heaters

- 50 Gallon;
- 90% Thermal efficiency rating represents 10%-20% savings over minimum standards;
- Contractors note Energy Star qualified;
- Specification sheets note systems meet or exceed thermal efficiency and standby loss requirements of the US Department of Energy and Current Edition of ASHRAE/IESNA 90.1;

One (1) ICE1400-Modular Cube Ice Machine

- Ice-o-Matic Model ICE1406HA;
- 208-230/60/1 phase;

- 48W x 24D x 26H;
- Energy Star Qualified;
- Includes Ice Bin (Model B100PS) 854lbs storage capacity, 48W x 31D x 50H;

Six (6) Heat Capture Hood Filters

- Thermal Heat Recovery Systems for heat exchanging grease filters;
- Filters channel potable water through the hood using the exhaust air to heat the water before it is sent to the water heater or to another exchanger in the make-up air unit or furnace.
- 25% savings in natural gas use;
- Proprietary innovative technology by Quality Filter Service Inc. has obtained Nicor Gas (gas utility) approval on this technology through Nicor's Energy Efficiency Program;

New Energy Efficient Lighting

- Seven (7) Gooseneck CF Wet 42W fixtures;
- 41 LEDP/MR16-FL-30K down/can lights;
- 36 F13 Forest Green LED canopy light with LEDP-3X2WPAR20/60D-65K/C/DIM;
- Eight (8) WSS0326-U fluorescent wall-pack with photo sensors;
- Ten (10) Sy90-232-b11-UNV Low profile wrap around T-8/2 lamps;
- Eight (8) exit sign simkar 12x7.5 inch LED Exit with battery backup emergency lights;
- Restaurant will be retrofitted with energy efficient bulbs and fixtures such as T5 and T8 linear and cold cathode and LED bulbs.
- 80% energy savings;
- Lighting complies with ComEd specifications for energy efficiency per the Smart Ideas for Your Business incentives program;

SECTION 2

No improvement work shall be undertaken until its design has been submitted to and approved by the Village. Following approval, the Owner/Lessee shall contract for the work and shall commence and complete all such work within ninety (90) days from the date of such approval.

SECTION 3

The Development Services Director shall periodically review the progress of the contractor's work on the energy efficiency/ renewable energy improvements pursuant to this Agreement. Such inspections shall not replace any required permit inspections by the Building Inspectors. All work which is not in conformance with the approved plans, design drawings and specifications shall be immediately remedied by the Owner/Lessee and deficient or improper work shall be replaced and made to comply with the approved plans, design drawings and specifications and the terms of this Agreement.

SECTION 4

Upon completion of the improvements and upon their final inspection and approval by the Development Services Director or his/her designee, the Owner/Lessee shall submit to the Village a properly executed and notarized contractor sworn statement showing the full cost of the work,

as well as each separate component amount due to the contractor and each and every subcontractor involved in furnishing labor, materials or equipment in the work. In addition, the Owner/Lessee shall submit to the Village proof of payment of the contract cost pursuant to the contractor's statement and final lien waivers from all contractors and subcontractors. The Owner/Lessee shall also submit to the Village a copy of all of the invoices for professional services fees for preparation of plans and specifications. The Village shall, within thirty (30) days of receipt of the contractor's statement, proof of payment and lien waivers, and the professional services statement, issue a check to the Owner/Lessee as reimbursement for one-half (1/2) of the approved construction cost estimate or one-half (1/2) of the actual construction cost, whichever is less, subject to the limitations set forth in Section 1 hereof.

SECTION 5

If the Owner/Lessee or his contractor fails to complete the improvement work provided for herein in conformity with the time limitation, approved plans, design drawings and specifications and the terms of this Agreement, then upon written notice being given by the Development Services Director to the Owner/Lessee, by certified mail to the address listed above, this Agreement shall terminate and the financial obligation on the part of the Village shall cease and become null and void.

SECTION 6

Upon completion of the improvement work pursuant to this Agreement, the Owner/Lessee shall be responsible for properly maintaining such improvements in finished form and without change or alteration thereto, as provided in this Agreement, unless changes are submitted for review and are approved by the Village Board. Such approval shall not be unreasonably withheld if the proposed changes do not substantially alter the original design concept of the improvements as specified in the plans, design drawings and specifications approved pursuant to this Agreement. In the event the approved energy efficiency/ renewable energy improvements are not properly maintained or alterations are made to the improvements without prior consent from the Village, the Village reserves the right to terminate this Agreement, hold the applicant liable for any architectural design and consultant fees incurred by the Village, and require reimbursement in full for all monies expended towards the project through this Smart Energy Fund.

SECTION 7

This Agreement shall be binding upon the Village and upon the Owner/Lessee and its successors, to said property for a period of ten (10) years from and after the date of completion and approval of the energy efficiency/ renewable energy improvements provided for herein. It shall be the responsibility of the Owner/Lessee to inform subsequent Owner/Lessee(s) of the provisions of this Agreement, and to be aware of the requirement for prior Village approval of any alteration whatsoever to the building energy systems funded by the Smart Energy Fund.

SECTION 8

The Owner/Lessee releases the Village from, and covenants and agrees that the Village shall not be liable for, and covenants and agrees to indemnify and hold harmless the Village and its officials, officers, employees and agents from and against, any and all losses, claims, damages, liabilities or expenses, of every conceivable kind, character and nature whatsoever arising out of, resulting from or in any way connected directly or indirectly with the energy efficiency/renewable energy improvement(s), including but not limited to actions arising from the Prevailing Wage Act (820 ILCS 30/0.01 et seq.) and the Davis-Bacon Act (40 U.S.C. 3141 et seq.) The Owner/Lessee further covenants and agrees to pay for or reimburse the Village and its officials, officers, employees and agents for any and all costs, reasonable attorneys' fees, liabilities or expenses incurred in connection with investigating, defending against or otherwise in connection with any such losses, claims, damages, liabilities, or causes of action. The Village shall have the right to select legal counsel and to approve any settlement in connection with such losses, claims, damages, liabilities, or causes of action. **The provisions of this Section 8, as well as Sections 6 and 7, above, shall survive the completion of said façade improvement(s).**

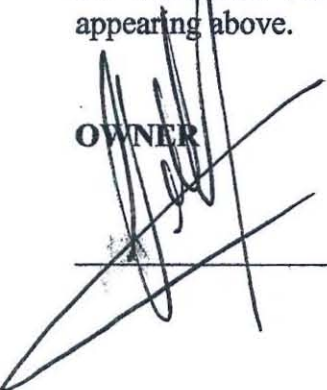
SECTION 9

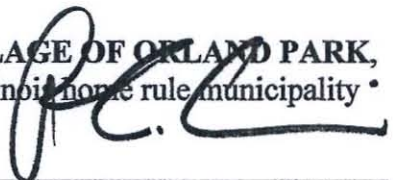
Nothing herein is intended to limit, restrict or prohibit the Owner/Lessee from undertaking any other work in or about the subject premises, which is unrelated to the energy efficiency/renewable energy improvements provided for in this Agreement.

SECTION 10

This Agreement shall be enforceable by any action at law or in equity, including actions for specific performance and injunctive relief. The laws of the State of Illinois shall control the construction and enforcement of this Agreement. The parties agree that all actions instituted on this Agreement shall be commenced and heard in the Circuit Court of Cook County, Illinois, and hereby waive venue in any other court of competent jurisdiction. Before any failure of any party to perform any obligation arising from this Agreement shall be deemed to constitute a breach, the party claiming the breach shall notify the defaulting party and demand performance. No breach of this Agreement shall be found to have occurred if performance is commenced to the satisfaction of the complaining party within thirty (30) days of the receipt of such notice.

IN WITNESS THEREOF, the parties hereto have executed this Agreement on the date first appearing above.


OWNER


VILLAGE OF ORLAND PARK,
an Illinois home rule municipality

By: _____
Village Administrator

LESSEE (if applicable)

ATTEST: *Daniel P. Maher*
Village Clerk



Energy Use Analysis Write-Up for the Energy Efficiency Retrofit of

**The Irish Patriot
9875 West 143rd Street
Orland Park, IL 60467**

The following equipment will be installed:

HVAC \$23,200.00

Three (3) furnaces will be installed. They are Heil Quiet Comfort™ VS 95 Series Gas Furnaces. These units have a 95% AFUE rating which is 30%-35% better than older, less efficient units. They have a variable speed circulation blower that uses 50%-75% less electricity than ordinary blowers.

Three (3) air conditioners will be installed. They are Heil Quiet Comfort™ DXT+ Two-Stage Air Conditioners. These units have a 16 SEER rating, which will save up to 44% on energy use compared to older units.

Water Heater \$4,825.00

Two (2) 50 gallon water heaters will be installed. They are Cyclone® HE model BTX-80 Water Heaters. These units have a 90% thermal efficiency rating, which represents a 10%-20% savings over minimum standards. Their burner design reduces NOx emissions to less than 40ng/j requirements for low NOx.

Ice Machine \$10,056.00

One (1) commercial ice machine will be installed. It is an ICE1400-Modular Cube Ice Machine. This machine is an Energy Star model using 4.1-5.3 KWh/100 lb ice.

Walk-In Cooler Compressors/Evaporators

Quote not turned in by vendor on time

Heat Capture Hood Filters \$10,750.00

Six (6) heat exchanging grease filters will be installed. These filters will channel potable water through the hood using the exhaust air to heat the water before it is sent to the water heater or to another exchanger in the make-up air unit or furnace. These filters will yield a 25% savings in natural gas use.



Quality Filter Service Inc.
Innovative Environmental Solutions
www.qualityfilterservice.com
554 Anderson Dr Suite H
Romeoville, IL 60446 (p) 815-290-4670 (f) 815-293-4671

GOING GREEN IS GOOD BUSINESS

Energy Efficient Lighting

\$18,429.80

All lighting in the restaurant will be retrofitted or installed with energy efficient bulbs and fixtures, such as T5 and T8 linears, and cold cathode and LED bulbs. These lights represent an 80% energy savings over traditional incandescent and fluorescent lights and can last 10-25 times as long, producing less waste.

Total Smart Energy Fund Project

\$67,260.80

Total Rebate Requested

\$33,630.40



Innovative Environmental Solutions
www.qualityfilterservice.com
773-807-0219

GOING GREEN IS GOOD BUSINESS

QUOTE

September 23, 2010

Business Name: The Irish Patriot	Business Phone: 708-403-5575	Cell Phone: 708-814-1173
Street Address: 9875 W 143 rd St	City: Orland Park	State: IL
Buyer Name:		Zip:

Quote (good for 30 days from presentation)

Item(s) / Service(s)	Qty	List Cost/Each	Total
Heil 95% variable speed furnaces 100,000 BTU	3		
Heil 4 ton 16 seer 2 stage condensers	3		
Heil 4 ton cased coils	3		
Install, labor ect			INC
Sub Total			\$23,700.00
Sales Tax			\$1,777.50
Grand Total			\$25,477.50

Payment Method

☒ Check (payable to Quality Filter Service)

Purchase Agreement

QFS Representative Signature: Michael Holmes	QFS Representative Printed Name:	Date: * 9-23-10
Customer Representative Signature: X	Customer Printed Name	Date:

***Installation includes hanging and electrical to 6 feet, permits by others

Murray Mechanical LLC
309 Foxworth Ct.
Aurora, IL 60502
July 23, 2010

Irish Patriot
9875 W. 143rd St.
Orland Park, IL 60467

Dear Michael:

Murray Mechanical recommends to furnish and install 2 complete Heating & Air Conditioning systems for the bar area 1st Floor. Install exposed spiral ducts below coiling. Install two central returns. Locate furnaces in 2nd floor apt. Locate Air Conditioning on the roof.

This bid does not include ventilation, hood work, exhaust, electric, gas, plumbing done by others.

Irish Patriot

- 3- Heil 95% variable speed furnaces 100,000 BTU
- 3 – Heil 4 ton 16 seer 2 stage condensers
- 3 – Heil 4 ton cased coils

Total: \$23,200.00

Total Bar area: \$15,400.00

Grand Total: \$23,200.00

Sincerely,

James Murray
Murray Mechanical LLC
309 Foxworth Ct
Aurora, IL 60502

THE ULTIMATE IN EFFICIENCY BY DESIGN



QUIETCOMFORT™
DXT+ TWO-STAGE
AIR CONDITIONER



HEAT
HEATING & COOLING PRODUCTS®

The Strength Behind The Brand

Choosing a Heil® air conditioner means more than just selecting a brand. It means selecting a product backed with tremendous assets in design engineering, quality manufacturing, and service support—as well as

a 100-year tradition of excellence. We're dedicated to bringing you home comfort products that meet and exceed your expectations for high quality, energy efficiency, and reliability. You can depend on us.

**Depend
On Heil®**

Cool, Quiet Comfort At Its Best

Designed to deliver the ultimate in cool, quiet comfort, the Heil® QuietComfort™ DXT+ is the ideal partner for a QuietComfort 80% to 95% AFUE† variable-speed, two-stage gas furnace or variable-speed fan coil. A variety of features make the DXT+ one of the quietest air conditioners around.

The two-stage Copeland® Scroll UltraTech™ compressor with a deluxe sound blanket is at the heart of this cooling machine. A two-speed fan motor that operates primarily on its quieter, lower setting is another winning feature. And operating sound is further minimized by advanced aerodynamic fan and air discharge systems. Plus, the DXT+ typically runs at lower speed, switching to higher operating levels as necessary to provide steady cooling when outdoor temperatures change.

Custom-matched with a variable-speed blower, this two-stage operation delivers whisper-quiet operating sound levels and superior humidity control season after season.

As part of a complete system, the DXT+ adjusts cooling levels to match the needs of your home, for a consistently comfortable flow of conditioned air.



R410A is an EPA-approved, environmentally sound refrigerant.

Raise Efficiency To Lower Bills

Boost your energy savings with matching equipment, which can deliver efficiencies up to 16 or 18 SEER† (the industry term used to measure energy efficiency). You could save up to 44% compared to many older units!

†AFUE stands for Annual Fuel Utilization Efficiency and SEER stands for Seasonal Energy Efficiency Ratio. Rating varies by model from 16 up to 18 SEER depending on indoor unit matches.

Capacity/SEER Chart	
2 ton up to 16 SEER	4 ton up to 16 SEER
3 ton up to 18 SEER	5 ton up to 16 SEER

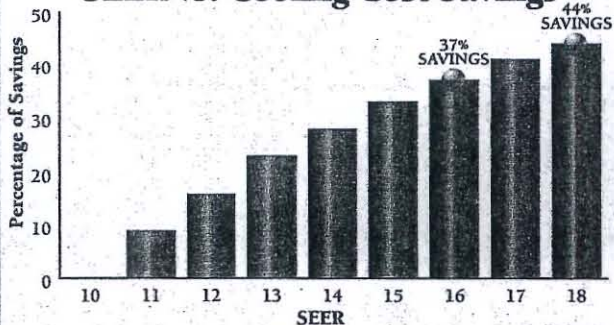
Built To Last, Backed To Prove It

Every Heil unit is backed by exceptional warranties, including our No Hassle Replacement™ limited warranty*, which gives you a replacement unit if the compressor or outdoor coil should fail within the first ten years. You also get up to a 10 year⁵ parts and compressor limited warranty.* And don't forget to ask your dealer about HELP® extended service agreements for additional worry-free protection for parts and labor coverage.

*See published warranty for complete details. To learn more about all of these limited warranties, including the No Hassle Replacement limited warranty, go to Heil-HVAC.com.

⁵Subject to conditions. Ten year warranty requires timely registration. See detailed additional information on back page and Warranty Certificate at Heil-HVAC.com for complete details.

SEER vs. Cooling Cost Savings



Percentage based on national averages at 10 SEER; may vary according to efficiency of current unit and installation.

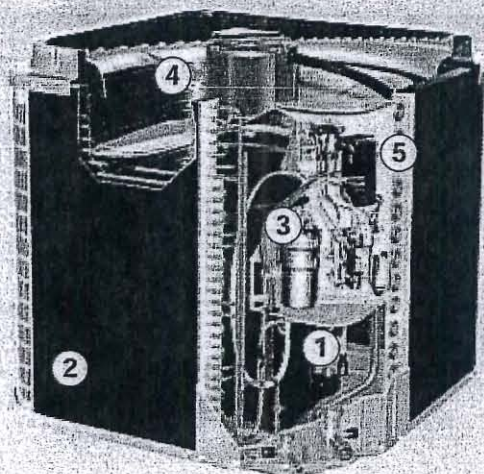
TOTAL COMFORT IN ANY SEASON

To deliver optimum efficiency, savings and comfort, Heil Heating & Cooling Products requires that your dealer install this high-end, two-stage cooling product with a matching variable-speed fan coil or with our top-of-the-line QuietComfort VS 80, VS 90 or VS 95 gas furnace featuring two-stage heating and variable-speed blower.

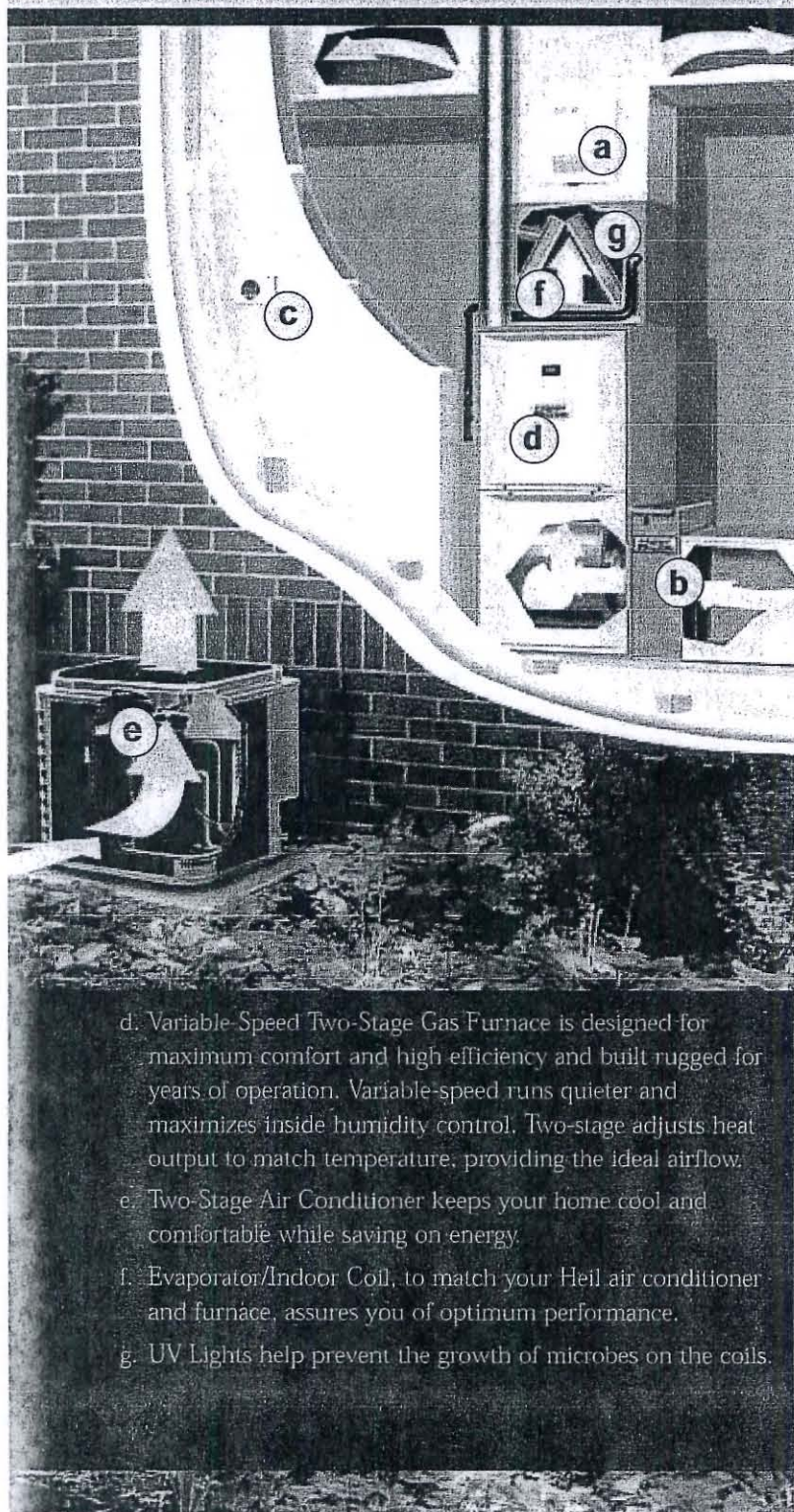
- Humidifier enhances comfort by reducing dryness in the air.
- Air Cleaner filters out many indoor air pollutants so the air in your home is cleaner.
- Set-Back Thermostat allows you to customize heating and cooling levels and also save energy.



A CLOSER LOOK AT QUALITY COMFORT



- ① **Quiet**
The two-stage Copeland® Scroll UltraTech™ compressor operates most of the time at the quieter, lower stage, changing over to the higher stage at extreme outdoor temperatures to produce more cool air. A deluxe sound blanket also reduces compressor sound levels.
- ② **Durable**
The painted, galvanized steel cabinet features a powder-coat, baked-on finish and a coated inlet grille with narrower spacing to provide maximum protection as it allows for proper airflow and easy coil cleaning.
- ③ **Efficient**
The Copeland® Scroll UltraTech™ compressor and the 7 mm copper tubing with aluminum fin coils work collectively to save on energy.
- ④ **Smooth Operation**
The two-speed fan motor operates most of the time on the quieter, lower speed. Aerodynamic air discharge design reduces operating sounds. The variable-speed indoor fan allows for whisper-quiet indoor operation.
- ⑤ **Service Friendly**
The Comfort Alert® II diagnostic system has all of the standard Comfort Alert® features. Plus, it can alert homeowners to call for service before a problem develops by working with an optional Comfort Alert® II compatible thermostat.



- d. Variable-Speed Two-Stage Gas Furnace is designed for maximum comfort and high efficiency and built rugged for years of operation. Variable-speed runs quieter and maximizes inside humidity control. Two-stage adjusts heat output to match temperature, providing the ideal airflow.
- e. Two-Stage Air Conditioner keeps your home cool and comfortable while saving on energy.
- f. Evaporator/Indoor Coil, to match your Heil air conditioner and furnace, assures you of optimum performance.
- g. UV Lights help prevent the growth of microbes on the coils.



MAINLINE MODELS

Heil Split System Comparison	DX 1300	DX 1400/ DX 1500	DXT+
HP MODEL SERIES	H4H3	HXH5	H4H5/ H4H7
AC MODEL SERIES	H4A3	H4A4	H4A6/ H4A8
REFRIGERANT	R410A	R410A	R410A
ENERGY SAVINGS SEER RATING*	13	14/15	15-18
ENERGY SAVINGS HSPF RATING* Heat Pumps Only	7.7	8.5	8.5
NO HASSLE REPLACEMENT™ Limited Warranty	1 YR	5 YR	10 YR
PARTS WARRANTY*	10 YR	10 YR	10 YR
COMPRESSOR WARRANTY*	10 YR	10 YR	10 YR
COMPRESSOR *Also includes sound jacket	Copeland Scroll*	Copeland Scroll*	Copeland Scroll UltraTech*
TWO-STAGE COMPRESSOR			•
COMFORT ALERT	•	•	•
ENHANCED AIR MANAGEMENT	•	•	•

* Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

† For information regarding furnace or fan coil options that can increase the energy efficiency of selected Heil air conditioners (SEER) and heat pumps (SEER and HSPF), go to Heil-HVAC.com and look for "Energy Savings" on the menu.

‡ This Heil product carries a ten (10) year limited warranty on parts, including compressor and coils, to original homeowner if installed in an owner-occupied, single-family residence and properly registered within ninety (90) days after original installation. Otherwise, the parts warranty period is five (5) years from the date of installation. Heat exchangers may carry longer limited warranty coverage that applies to original homeowners with timely registration. (See Warranty Certificate for registration instructions. Registration not required in all jurisdictions.)



All systems tested and listed by the appropriate agencies.



ISO 9001:
2000 Registered



As part of its commitment to quality, International Comfort Products, LLC, reserves the right to change specifications on its products without notice. Illustrations and photographs in this brochure are only representative. Some product models may vary.

H4A6/H4A8 Series
© 2010 International Comfort Products, LLC

650 Heil Quaker Ave. • Lewisburg, TN 37091

Heil-HVAC.com

Part No. 421-12-5701-06
Revised 01/10

THE ULTIMATE IN EFFICIENCY BY DESIGN

QUIETCOMFORT™
VS 95 SERIES
GAS FURNACE

95% AFUE



LIFETIME
STAINLESS STEEL
LIMITED WARRANTY
HEAT EXCHANGER
Action required.
Please see warranty certificate for details.

10 YEAR
LIMITED WARRANTY
PARTS
Action required.
Please see warranty certificate for details.

HEIL
HEATING & COOLING PRODUCTS®

The Strength Behind The Brand

Choosing a Heil® furnace means more than just selecting a brand. It means selecting a product backed with tremendous assets in design engineering, quality manufacturing, and service support—as well as a

100-year tradition of excellence. We're dedicated to bringing you home comfort products that meet and exceed your expectations for high quality, energy efficiency, and reliability. You can depend on us.

**Depend
On Heil.**

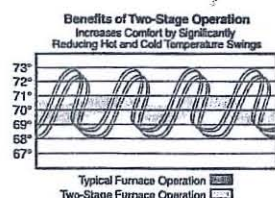
Consistent Comfort

Unlike single-stage furnaces—which heat up fast and shut down fast, going from too hot to too cold—the Heil® QuietComfort™ VS 95 delivers consistent heat and overall comfort. The two-stage system operates at low heat most of the time and automatically modulates to higher heat production if the temperature drops. Run the high efficiency fan continuously to improve indoor air quality. The variable-speed motor can also help increase comfort by maximizing moisture removal[†] during cooling (air conditioner) operation.

[†]Used with a humidity-sensing thermostat or dehumidistat.

Designed To Keep Quiet

The QuietComfort VS 95's variable-speed motor runs much quieter than conventional motors. The unit's sturdy doors, burner enclosure and fully insulated cabinet also enhance quiet operation.



The QuietComfort VS 95 automatically adapts its operation to match your heating requirements. When the weather gets colder, the higher stage kicks in, modulating the speed of the circulation motor and the output of the burners to provide maximum warmth and comfort.

Top Efficiency For Lower Energy Bills

You get maximum energy savings with the 95% AFUE[†] rating of the QuietComfort VS 95. Older, less efficient units get just 60%–65% AFUE. The VS 95's variable-speed circulation blower uses 50%–75% less electricity than ordinary blowers. You can actually run it year round on continuous mode and still keep a lid on your energy bills!

[†]AFUE stands for Annual Fuel Utilization Efficiency.

Warranty Protection For Security

Every Heil unit is backed by exceptional warranties, including our No Hassle Replacement™ limited warranty*, which gives you a replacement unit if the heat exchanger should fail within the first ten years. You also get up to a 10 year[§] parts limited warranty* and a lifetime[§] limited warranty* on the stainless steel heat exchanger. And don't forget to ask your dealer about HELP® extended service agreements for additional worry-free protection for parts and labor coverage.

*See published warranty for complete details. To learn more about all of these limited warranties, including the No Hassle Replacement limited warranty, go to Heil-HVAC.com.

[§]Subject to conditions. Ten year warranty requires timely registration. See detailed additional information on back page and Warranty Certificate at Heil-HVAC.com for complete details.

Higher AFUE Equals Greater Energy Savings



Percentage based on national averages; may vary according to efficiency of current unit and installation.

GET YEAR-ROUND COMFORT WITH HEIL

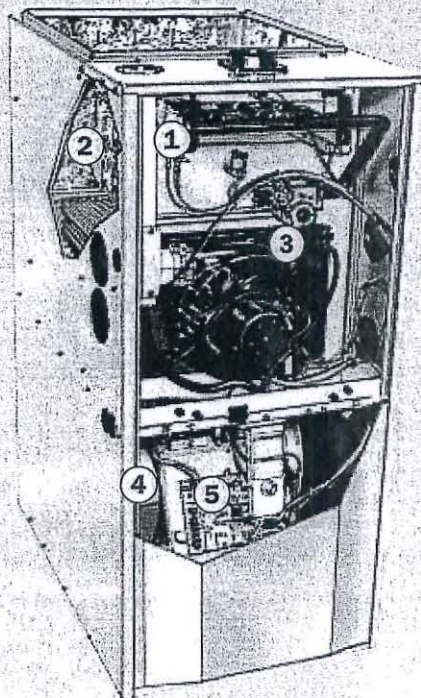
- Humidifier enhances comfort by reducing dryness in the air.
- Air Cleaner filters out many indoor air pollutants so the air in your home is cleaner.
- Set-Back Thermostat allows you to customize heating and cooling levels and also save energy.
- Furnace is designed for maximum comfort and high efficiency and built rugged for years of operation.



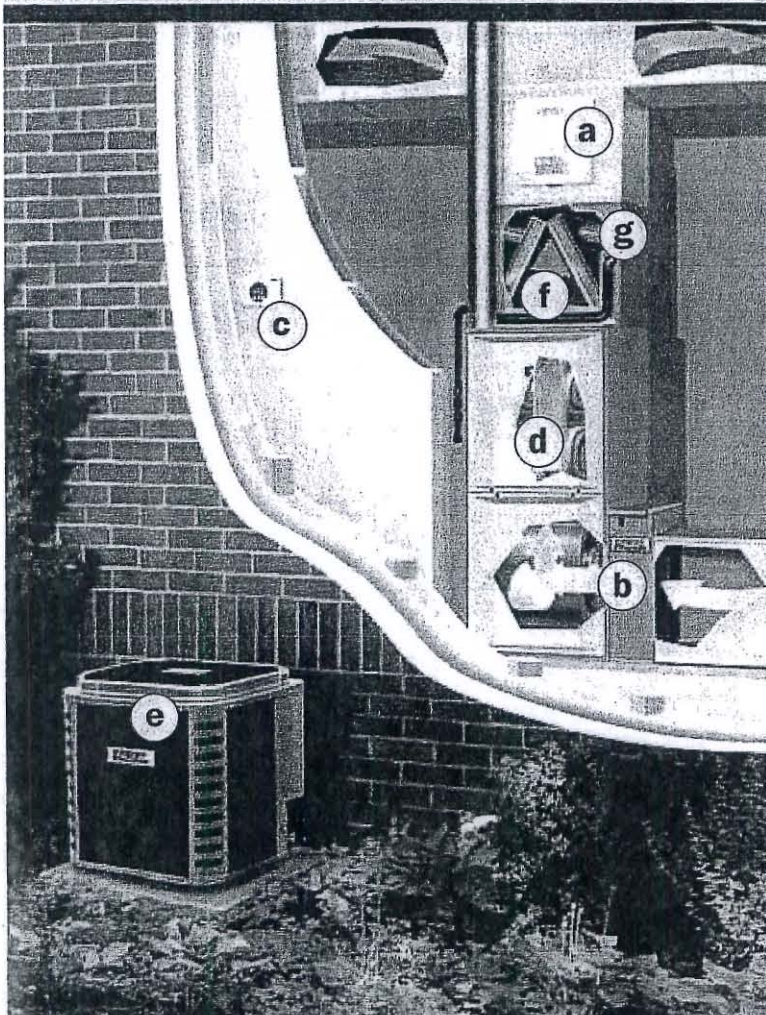
LIFETIME
STAINLESS STEEL
LIMITED WARRANTY
HEAT EXCHANGER
Action required.
Please see warranty certificate for details.



INNOVATIONS THAT ENHANCE YOUR COMFORT



- ① **Reliable**
Direct Hot Surface Ignition System features an advanced silicon nitride igniter for greater reliability.
- ② **Durable**
RPJ® III primary heat exchanger has a ripple-edged design that forces more heat to the outside surface for higher efficiencies. Made of corrosion-resistant, weld-free stainless steel.
- ③ **Heating On Demand**
Two-stage redundant gas valve, two-speed induced draft blower assembly, and variable-speed motor modulate up smoothly when more heat is needed.
- ④ **Quiet**
Variable-speed circulation blower motor is prelubricated, dynamically balanced and resilient mounted to reduce vibration and noise.
- ⑤ **System Monitoring**
State-of-the-art electronic controls monitor system operation for faster, easier system diagnostics.



- e. Air Conditioner keeps your home cool and comfortable while saving on energy.
- f. Evaporator/Indoor Coil matches your Heil air conditioner and furnace to ensure great performance.
- g. UV Lights help prevent the growth of microbes on the coils.

HEIL®
HEATING & COOLING PRODUCTS

QUIETCOMFORT™ VS 95 SERIES GAS FURNACE

MAINLINE MODELS

Heil Gas Furnace Comparison	DLX 80	IIS 80	VS 80	DLX 90	DLX 95	IIS 90	VS 90	VS 95
MODEL SERIES	H8MPN/ H8MPL/ H8DNL	H8MPT	H8MPV	H9MPD	H9MPX	H9MPT	H9MPV	H9MVX
ENERGY SAVINGS AFUE RATING*	80%	80%	80%	 92%	 95%	 92%	 92%	 95%
HEAT EXCHANGER WARRANTY†	20YR	25YR	25YR	LIFE TIME	LIFE TIME	LIFE TIME	LIFE TIME	LIFE TIME
NO HASSLE REPLACEMENT™ Limited Warranty	1YR	5YR	10YR	1YR	1YR	5YR	10YR	10YR
PARTS WARRANTY†	10YR	10YR	10YR	10YR	10YR	10YR	10YR	10YR
RPJ® III HEAT EXCHANGER Patented weld-free construction	•	•	•	•	•	•	•	•
VARIABLE-SPEED ECM CIRCULATION BLOWER MOTOR Quiet, even airflow			•				•	•
TWO-STAGE OPERATION Self-adjusting heat modes		•	•			•	•	•

*Many models earn the ENERGY STAR®. Ask your contractor for details or visit www.energystar.gov.

†AFUE stands for Annual Fuel Utilization Efficiency. Higher number = Greater efficiency.

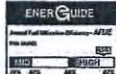
*This Heil product carries a ten (10) year limited warranty on parts, including compressor and coils, to original homeowner if installed in an owner-occupied, single-family residence and properly registered within ninety (90) days after original installation. Otherwise, the parts warranty period is five (5) years from the date of installation. Heat exchangers may carry longer limited warranty coverage that applies to original homeowners with timely registration. (See Warranty Certificate for registration instructions. Registration not required in all jurisdictions.)



650 Heil Quaker Ave. • Lewisburg, TN 37091

Heil-HVAC.com

All systems tested and listed by the appropriate agencies.



ISO 9001:
2000 Registered

As part of its commitment to quality, International Comfort Products, LLC, reserves the right to change specifications on its products without notice. Illustrations and photographs in this brochure are only representative. Some product models may vary.

Select Plumbing Corporation

13400 S. Rt 59
Ste. 116-137
Plainfield, IL 60585

Voice: 815-715-2979
Fax: 815-782-4306

QUOTATION

Quote Number: m313

Quote Date: Sep 24, 2010

Page: 1

Quoted To:

The Irish Patriot
9875 W 143rd St
Orland Park, IL

Customer ID	Good Thru	Payment Terms	Sales Rep
The Irish Patriot	10/24/10	C.O.D.	Pierce, Jeff

Quantity	Description	Unit Price	Amount
2.00	AO Smith BTX 80 50 gallon energy star water heater	2,100.00	4,200.00
	Labor and miscellaneous material to install above water heaters in parallel		625.00
Subtotal			4,825.00
Sales Tax			
TOTAL			4,825.00



Innovative Environmental Solutions
www.qualityfilterservice.com
773-807-0219

GOING GREEN IS GOOD BUSINESS

QUOTE

September 08, 2010

Business Name: The Irish Patriot	Business Phone: 708-403-5575	Cell Phone: 708-814-1173
Street Address: 9875 W 143 rd St	City: Orland Park	State: IL
Buyer Name:		Zip:

Quote (good for 30 days from presentation) OVEN HOOD PREPERATION

Item(s) / Service(s)	Qty	List Cost/Each	Total
AO SMITH BTX-80 50 gallon energy star water heater	2	2200.00	\$4400.00
Sub Total			\$4,400.00
Sales Tax			\$330.00
Grand Total			\$4,730.00
	1		

Payment Method

☒ Check (payable to Quality Filter Service)

Purchase Agreement

QFS Representative Signature: Michael Holmes	QFS Representative Printed Name:	Date: * 9-8-10
Customer Representative Signature: X	Customer Printed Name	Date:

***installation includes hanging and electrical to 6 feet, permits by others



Commercial Gas Water Heaters

THREE-YEAR LIMITED TANK WARRANTY

- For complete warranty details, consult written warranty shipped with heater or contact A. O. Smith

SPECIFICATIONS

MODEL NUMBER	BTU INPUT PER HOUR	GALLONS OR LITRES	TANK SIZE	GPH OR LPH	RECOVERY - GALLONS OR LITRES PER HOUR AT DEGREE RISE			LBS. OR KG	SHIPPING WEIGHT
					40°F	100°F	140°F		
					22°C	56°C	78°C		
BTX-80	76,000	Gallons	50	GPH	206	83	59	Lbs.	210
		Litres	189	LPH	780	314	223	Kg	95.3

Manifold Pressure: 4.0 inches w.c. (.99 kPa); All models—Maximum Supply Pressure: 14 inches w.c. (3.48 kPa)

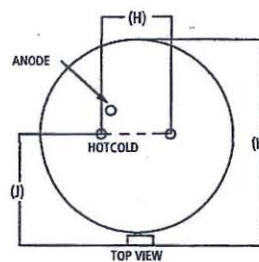
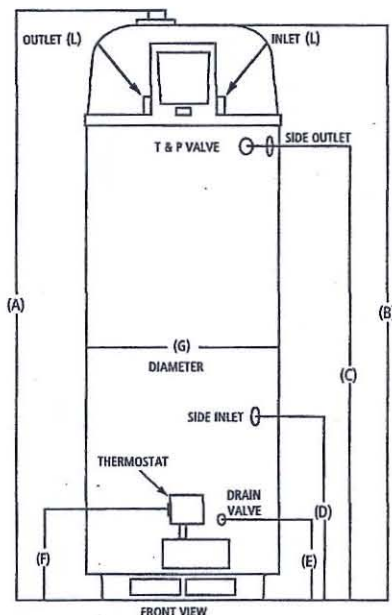
Minimum Supply Pressure Natural Gas: 5.0 inches w.c. (1.24 kPa); Minimum Pressure must be maintained under both load and no-load (static and dynamic) conditions

Approved for Canada.

DIMENSIONS

BTX-80	A	B	C	D	E	F	G	H	J	K
INCHES	70-5/8	68-1/4	52	21	9-1/8	12	22	8	15-3/4	27
CM	179-3/8	173-1/5	131-4/5	53-3/10	23-1/5	30-1/2	55-9/10	20-3/10	40	68-6/10

Top inlet and outlet: 3/4" male NPT
Side inlet and outlet: 3/4" female NPT
Gas inlet: 1/2" NPT



* INSTALL IN ACCORDANCE WITH LOCAL CODES

SUGGESTED SPECIFICATION

Natural gas water heater(s) shall be A. O. Smith Cyclone HE model # BTX-80, with 90% thermal efficiency, a storage capacity of 50 gallons, an input rating of 76,000 BTUs per hour, a recovery rating of 83 gallons per hour at 100°F rise and a maximum hydrostatic working pressure of 150 psi. Water heater(s) shall be of power-vent design, using 2", 3" or 4" PVC pipe for horizontal and/or vertical vent runs. Water heater(s) shall have: 1: Seamless, glass lined steel tank construction and a spiral-shaped heat exchanger placed entirely inside the tank, which shall be glass lined on the flue gas side to protect against acidic condensate. 2: An Intelli-Vent™ gas control system with silicon nitride hot surface ignitor. 3: A 3-year limited warranty against tank leaks. Water heater(s) shall meet the thermal efficiency and standby loss requirements of the U. S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1 and be design-certified by UL (Underwriters Laboratories) according to ANSI Z21.10.3-CSA4.3 standards governing storage tank water heaters.

For Technical Information and Automated Fax Service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.



Commercial Gas Water Heaters



CYCLONE

The Cyclone® HE is a light-duty, powervent, fully condensing commercial gas water heater with an internal helical heat exchanger, similar to the design of A. O. Smith's industry-leading Cyclone® XHE models. This helical heat exchanger helps Cyclone® HE achieve 90% thermal efficiency and deliver outstanding hot water output.

HELICAL INTERNAL HEAT EXCHANGER

- Completely surrounded by water in tank, provides much greater heat transfer surface than standard straight flue tube
- Produces 90% thermal efficiency, which saves money on operating costs, increases hot water output compared to standard-efficiency water heaters
- Minimizes standby losses by trapping heat in the tank
- Spiral heat exchanger reduces scale and sediment from forming on water-side surface, which can reduce energy efficiency over time

VERSATILE POWERVENT DESIGN

- Vents using inexpensive PVC, CPVC or ABS pipe. Canadian installations require ULC S636 listed PVC or CPVC pipe.
- 2" pipe, vents up to 25 equivalent feet
- 3" pipe, vents up to 65 equivalent feet
- 4" pipe, vents up to 128 equivalent feet

MODULAR BLOWER

- Equipped with 120 volt, 60 Hz electrical system (rating 5 amps or less), 6-foot cord with standard 3-prong connector
- 2" PVC pipe, elbows and condensate drain supplied to connect heat exchanger outlet to blower
- PVC Vent Attenuation Assembly (VAA) supplied for applications where extra-quiet operating environment is essential

HIGH OUTPUT WITH SMALL FOOTPRINT

- 22" diameter, combined with 90% efficiency, 50-gallon tank and 76,000 BTU input means Cyclone HE can be installed in less space than a larger 75-gallon unit, with equal or better performance
- Total height is 70-5/8" to top of unit

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Allows Cyclone HE to be installed as part of combination space heating/water heating applications, or any system requiring a recirculating hot water loop
- Plugs for the recirculating taps are factory installed

INTELLI-VENT™* GAS CONTROL

- Equipped with long lasting silicon nitride hot surface ignitor – no standing pilot
- Advanced electronics for more precise control of water temperature and easy-to-understand system diagnostics
- 180°F maximum temperature setting

PERMAGLAS® ULTRA COAT™ GLASS LINING

- A. O. Smith exclusive process provides superior protection against corrosion
- Protects all interior tank surfaces including inside and outside of helical heat exchanger

TWO HEAVY-DUTY ANODE RODS

- Provides advanced protection against corrosion

GREEN CHOICE® GAS BURNER

- Patented "Eco-Friendly" design reduces NOx emissions and meets less than 40 ng/j requirements for low NOx

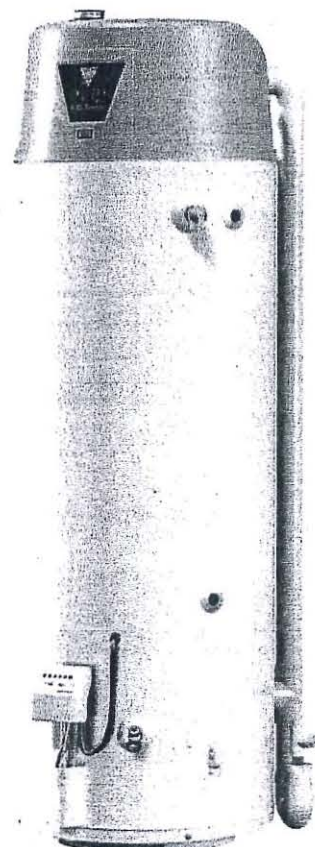
CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

CODES AND STANDARDS

- Design-certified by Underwriters' Laboratories according to ANSI Z21.10.3 - 4.3 CSA standards governing storage-type water heaters
- Meets or exceeds the thermal efficiency and standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1

BTX-80



GAS-FIRED



Low Lead Compliant

*Intelli-Vent™ is a registered trademark of Emerson Electric Company

DDF Foodservice Equipment Company, Inc.
6503 Pinewood Lane, Unit 2
Tinley Park, Illinois 60477
(708) 342-0113
Fax: (708) 342-0118

Our Number 00762Page 1 of 1

Acknowledgement

☒ Quotation

Invoice

Purchase Order

To: Irish Patriot

Orland Park, IL 60462

Attn:

Ship to: Irish Patriot

Orland Park, IL 60462

Attn:

Date	Shipping Date	Via	FOB	Terms	PO Number
09/17/10	In stock!!	Best Way Prepaid	Factory	NET 15 Days	

Item	Qty	Description	
01	001	ICE MACHINE, Ice-O-Matic Model ICE1406HA, Air Cooled, Half Cube Ice, 208 - 230 / 60 / 1 phase, measures 48" wide x 24" deep x 26" high. Produces 1,469 lbs of ice per 24 hrs. Energy Star Rated Ice Maker!!	\$ 9,030.00
	001	BIN, Model B100PS, 854 lbs storage capacity, 48" wide x 31" deep x 50" high.	\$ 1,026.00

TERMS: ALL RETURNS must be accompanied by ORIGINAL NUMBER and date of purchase. Goods must be in UNUSED and in ORIGINAL CARTON. Returns are subject to a 25% restocking fee and handling charges. Special order items are NOT returnable. All returns must have authorization number. 1 % MONTH SERVICE CHARGE will be added to all past due accounts. Purchaser is liable for all legal costs if account is placed for collections. BREAKAGE SHORTAGES must be reported to delivering carrier within 48 hours after receipt of goods. Any claims against this order will not be honored unless report to us within 5 working days. OUR RESPONSIBILITY FOR CLAIMS CEASES WHEN SHIPMENT IS ACCEPTED BY CARRIER.



Quality Filter Service Inc.
Innovative Environmental Solutions
www.qualityfilterservice.com
554 Anderson Dr Suite H
Romeoville, IL 60446 (p) 815-290-4670 (f) 815-293-4671

GOING GREEN IS GOOD BUSINESS

QUOTE

September 08 2010

Business Name: Irish Patriot	Business Phone:	Cell Phone:	
Street Address: 9875 West 143rd	City: Orland Park	State: IL	Zip:
Contact Name: Vincent			

Quote (good for 30 days from presentation)

Item(s) / Service(s)	Qty	List Cost/Each	Total
Ice Machine Energy Efficient Ice-o-Matic ICE1406HA, air cooled, HC Ice 108-230- 60 Ice Bin Model B100PS 854 Pounds	1 Set	\$10,036.00	<u>\$10,036.00</u>
Sub Total			\$10,036.00
Sales Tax		7.5%	\$752.70
Grand Total			<u>\$10,788.70</u>

Payment Method

☒ Check (payable to Quality Filter Service)

Service Agreement

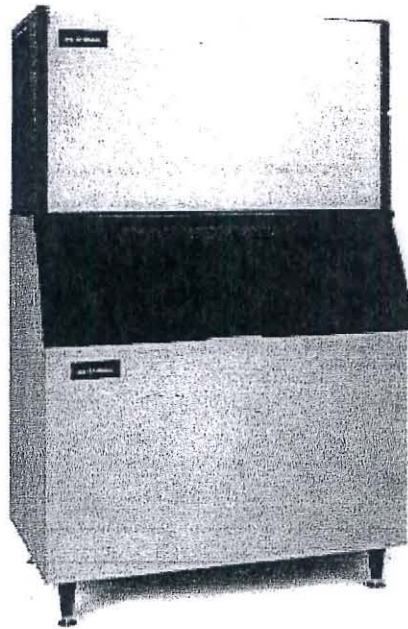
QFS Representative Signature: Michael Holmes	QFS Representative Printed Name:	Date: * 9-08-10
Customer Representative Signature: X	Customer Printed Name	Date:

***installation includes hanging and electrical to 6 feet, permits by others



ICE1406/1405/1407 - CUBE ICE MAKER

Ice-O-Matic
Ice Pure and Simple



ICE1406/1405/1407

Features

- Space-saving 26" (660 mm) tall design.
- Produces up to 1469 lbs (668 kg) of ice per day.
- *Harvest Assist* provides consistent ice production for the life of the ice maker while reducing energy consumption and increasing capacity.
- *Pure Ice*® exclusively by Ice-O-Matic. Built-in antimicrobial protection for the life of the ice maker inhibits bacteria growth on ice maker surfaces. Ice-O-Matic's optional water filtration system provides protection against unpleasant tastes, odors and scale formation.
- Durable, electroless nickel plating on all evaporator plates ensures reliability.
- *Longest warranty in the industry.* Purchase an Ice-O-Matic water filter with your cube ice maker, replace the filter every six months, and the evaporator warranty is extended to 7 years parts and labor (available in the U.S. and Canada only).
- Constructed from corrosion-resistant stainless steel and fingerprint-proof plastic.

Options & Accessories

Ice Machine Model	Manifold		Inline
	System	Replacement	System
ICE1406	IFQ2	IOMQ (2)	n/a
ICE1405			
ICE1407			

Ice Maker Warranty

Every Ice-O-Matic ice maker is backed by a warranty that provides both parts and labor coverage.

- Three years **Parts and Labor**.
- Five years **Parts** coverage on the evaporator and compressor.
- Seven years **Parts and Labor** on the evaporator when you purchase an Ice-O-Matic water filter with your cube ice maker and replace the filter every six months (available in the U.S. and Canada only).

Ice Form



CUBE

Model No.	Capacity	Width
B25	242 lbs (110 kg)	30 in (762 mm)
B40	344 lbs (156 kg)	30 in (762 mm)
B42	351 lbs (160 kg)	22 in (559 mm)
B55	510 lbs (231 kg)	30 in (762 mm)
B70	701 lbs (317 kg)	30 in (762 mm)
B90	1023 lbs (465 kg)	30 in (762 mm)
B100	854 lbs (388 kg)	48 in (1219 mm)
B120	1142 lbs (518 kg)	48 in (1219 mm)
B150	1447 lbs (658 kg)	60 in (1524 mm)
B170	1807 lbs (821 kg)	60 in (1524 mm)

Bin Chart Kits for Combining Wider Bins with Smaller Models

ICE STORAGE BINS										
Model No.	B25	B40	B42	B55	B70	B90	B100	B120	B150	B170
Capacity	242 lbs (110 kg)	344 lbs (156 kg)	351 lbs (160 kg)	510 lbs (231 kg)	701 lbs (317 kg)	1023 lbs (465 kg)	854 lbs (388 kg)	1142 lbs (518 kg)	1447 lbs (658 kg)	1807 lbs (821 kg)
Width	30 in (762 mm)	30 in (762 mm)	22 in (559 mm)	30 in (762 mm)	30 in (762 mm)	30 in (762 mm)	48 in (1219 mm)	48 in (1219 mm)	60 in (1524 mm)	60 in (1524 mm)
Kits	n/a						Kit Not Required			
ICE0400										
ICE0405										
ICE0406										

*See Ice-O-Matic Price List for Adapter Kits to combine ice makers with most available ice/beverage dispensers.



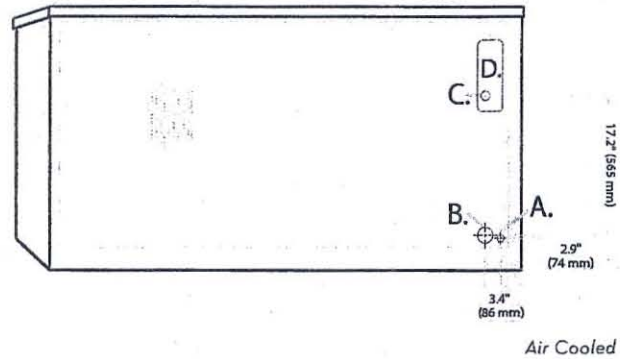
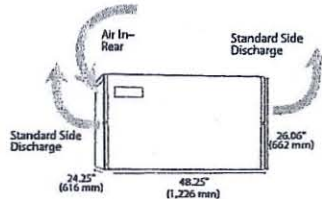
ICE1406/1405/1407 - CUBE ICE MAKER

Ice-O-Matic
Ice Pure and Simple

Air Cooled

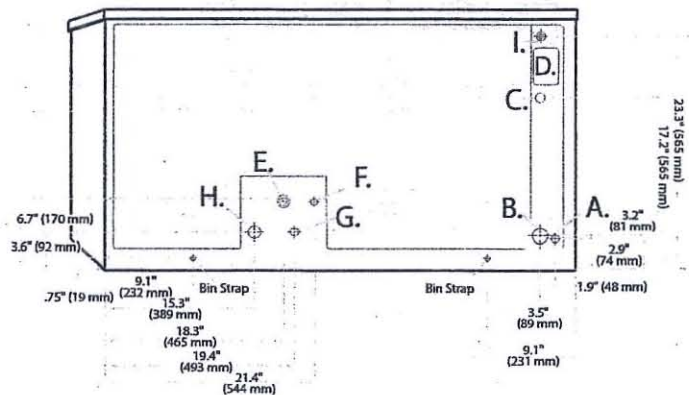
Please note: air-cooled units require 6" (152 mm) clearance for air intake and exhaust.

- A. Ice maker potable water in, 3/8" FPT.
- B. Ice maker water out, 3/4" FPT.
- C. Hole for electrical connections, 7/8".
- D. Electrical junction box.



Water Cooled/Remote

- A. Ice maker potable water in, 3/8" FPT.
- B. Ice maker water out, 3/4" FPT.
- C. Hole for electrical connections, 7/8".
- D. Condenser water in, 3/8" FPT (water only).
- E. Condenser water out, 1/2" FPT (water only).
- F. Liquid line, 3/8" male quick connect coupling for precharged line set (remote only).
- G. Discharge line, 1/2" male quick connect coupling for precharged line set (remote only).
- H. Hole for remote electrical connections, 7/8" (remote only).



Operating Requirements

100°F (38°C)		110°F (43°C)	
		60 Hz	50Hz
Ambient Temp. Range Air	50°F (10°C)	100°F (38°C)	110°F (43°C)
Water Temp.	40°F (4.4°C)		
Water Pressure	20 PSIG (1.4 BAR)	60 PSIG (4.1 BAR)	

Dimensions

W x D x H (in.)	48.25 x 24.25 x 26.06
W x D x H (mm)	1,226 x 616 x 662

Specifications

Model	Refrigerant	Capacity (lb/day)	Capacity (kg/day)	Capacity (gallons/day)	Capacity (liters/day)	Capacity (cubic feet/day)	Capacity (cubic meters/day)	Capacity (cubic centimeters/day)
ICE1406A*	Air	1,469 (668)	1,136 (515)	19.9	5.1	208-230/60/1	26.1	22,069
ICE1406R	Remote*	1,391 (632)	1,150 (523)	20.3	5.0	208-230/60/1	22.2	22,126
ICE1406W	Water	1,386 (630)	1,239 (563)	22.8	4.2	208-230/60/1	17.8	21,994
ICE1405A	Air	1,371 (623)	1,070 (486)	19.7	5.3	230/50/1	21.7	21,185
ICE1405R	Remote*	1,419 (645)	1,139 (518)	21.4	5.2	230/50/1	21.9	22,339
ICE1405W	Water	1,386 (630)	1,185 (539)	22.6	4.2	230/50/1	15.1	21,035
ICE1407A*	Air	1,458 (663)	1,131 (514)	19.6	5.0	208-230/60/3	16.0	21,761
ICE1407R	Remote*	1,393 (633)	1,195 (543)	20.0	4.8	208-230/60/3	14.7	22,547
ICE1407W	Water	1,425 (648)	1,270 (577)	22.4	4.1	208-230/60/3	10.7	22,308

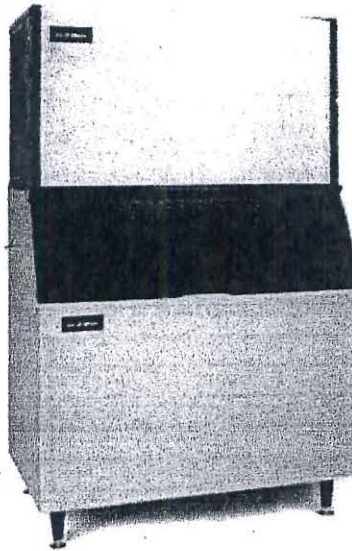
NOTES:

Number of Wires: ICE1406/1405: 3 (including ground) • ICE1407: 4 (including ground)
Approx. Shipping Weight lbs (kg): ICE1406A 310 (141) • ICE1406R 300 (136) • ICE1406W 280 (127) • ICE1405A 310 (141) • ICE1405R 300 (136) • ICE1405W 280 (127)
Refrigerant Type: ICE1407A 310 (141) • ICE1407R 300 (136) • ICE1407W 280 (127)
R404A

*Requires Remote VRC 2661 Condenser.

★ENERGY STAR qualified machine. Please see our website www.iceomatic.com for the latest list of ENERGY STAR qualified machines and available rebates.

ICE1400-Modular Cube Ice Machine



ICE1400 on B100

The Perfect Ice for Any Occasion

It's that familiar clinking sound in your favorite beverage. It's the fresh, crystal-clear ice that tumbles into glasses at restaurants, bars and convenience stores around the world, cooling the drink while preserving the flavor. Our widely popular cube ice never goes out of style and is perfect for any application or occasion. Long-lasting cube ice is the right choice for a wide variety of uses.

Reliable and Effortless Performance

Ice-O-Matic manufactures a full range of ICE Series™ modular cube ice machines designed for extremely simple operation and maintenance, with a commitment to reliability. Think of our machines as your silent partner, working every day to provide high volumes of crystal-clear ice. Newly redesigned to be even easier to use, they work well with most storage bins, hotel dispensers, and beverage dispensers, and are perfect for any foodservice or hospitality application. Ice-O-Matic ICE Series™ modular cube machines produce half or full cubes, and meet or exceed CEC or Energy Star criteria.

Energy efficiency

Energy Use: 4.1-5.3 KWh/100 lb ice

ENERGY STAR models - ICE1406HA, ICE1406FA, ICE1407HA, ICE1407FA



Quality Filter Service Inc.
Innovative Environmental Solutions
www.qualityfilterservice.com
554 Anderson Dr Suite H
Romeoville, IL 60446 (p) 815-290-4670 (f) 815-293-4671

GOING GREEN IS GOOD BUSINESS

QUOTE

September 08 2010

Business Name: Irish Patriot	Business Phone:	Cell Phone:	
Street Address: 9875 West 143 rd	City: Orland Park	State: IL	Zip:
Contact Name: Vincent			

Quote (good for 30 days from presentation)

Item(s) / Service(s)	Qty	List Cost/Each	Total
Thermal Heat Recovery System	1 Set	\$10,000.00	\$10,000.00
Sub Total			\$10,000.00
Sales Tax		7.5%	\$750.00
Grand Total			\$10,750.00

Payment Method

☒ Check (payable to Quality Filter Service)

Service Agreement

QFS Representative Signature: Michael Holmes	QFS Representative Printed Name:	Date: * 9-08-10
Customer Representative Signature: X	Customer Printed Name	Date:

***installation includes hanging and electrical to 6 feet, permits by others

Proprietary...

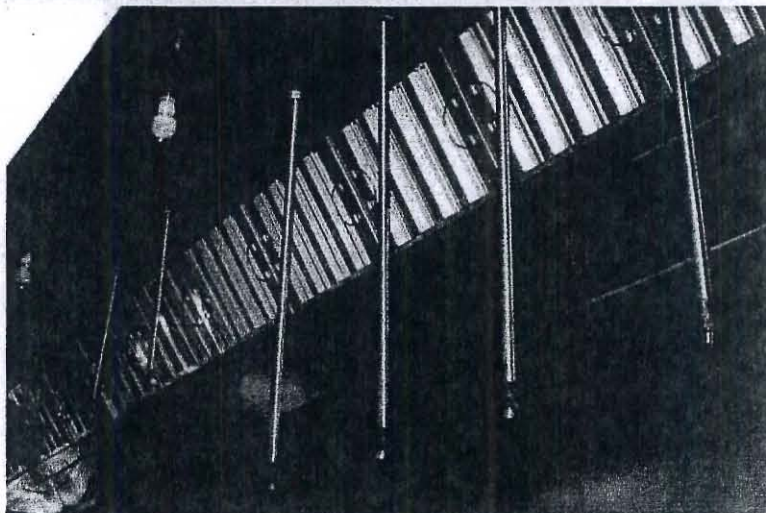
Nicor Approved Technology

HEAT CAPTURE FILTERS

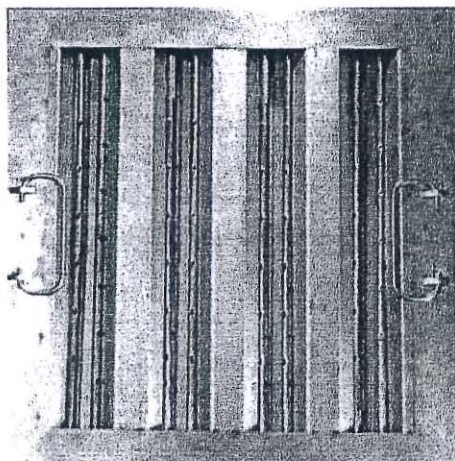
Recycle Restaurant Cook-Line Heat to Make Free Hot Water

Product Description

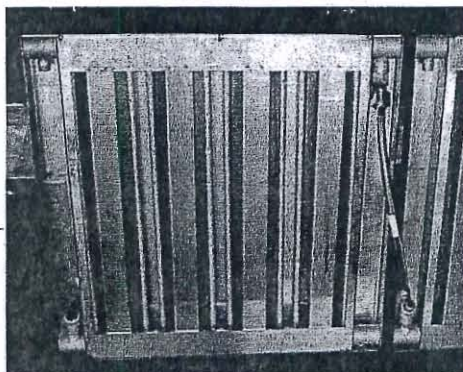
Heat Capture filters, or Heat Caps, conduct potable water through small Teflon-coated dimpled copper tubes that line the filter's air vents. The filters are interconnected on the back side with 1/2" diameter stainless steel braided hoses using heavy duty dripless stainless steel quick connects. The water is heated by the hood exhaust air to temperatures ranging from 90-130°F and either sent to the water heater or used directly where hot water is needed.



Front View



Back View



Product Specifications

Dimensions

Model	Size	Mfg P/N	Weight
HCF16	15.5"H x 19.5"W x 1.5"D	89002	12.85 lbs (dry)
HCF20	19.5"H x 19.5"W x 1.5"D	89001	14.95 lbs (dry)

Materials

Tubes	Teflon Coated Commercial Grade Copper
Baffles	20 Gauge Stainless Steel
Fittings/Connects	Stainless Steel
End Spacers	Stainless Steel

Performance

Heat Recovery	Up to 80%
Air Flow	300 CFM - 0.10 In. H ₂ O air pressure drop 600 CFM - 0.38 In. H ₂ O air pressure drop 900 CFM - 1.22 In. H ₂ O air pressure drop

Special Features

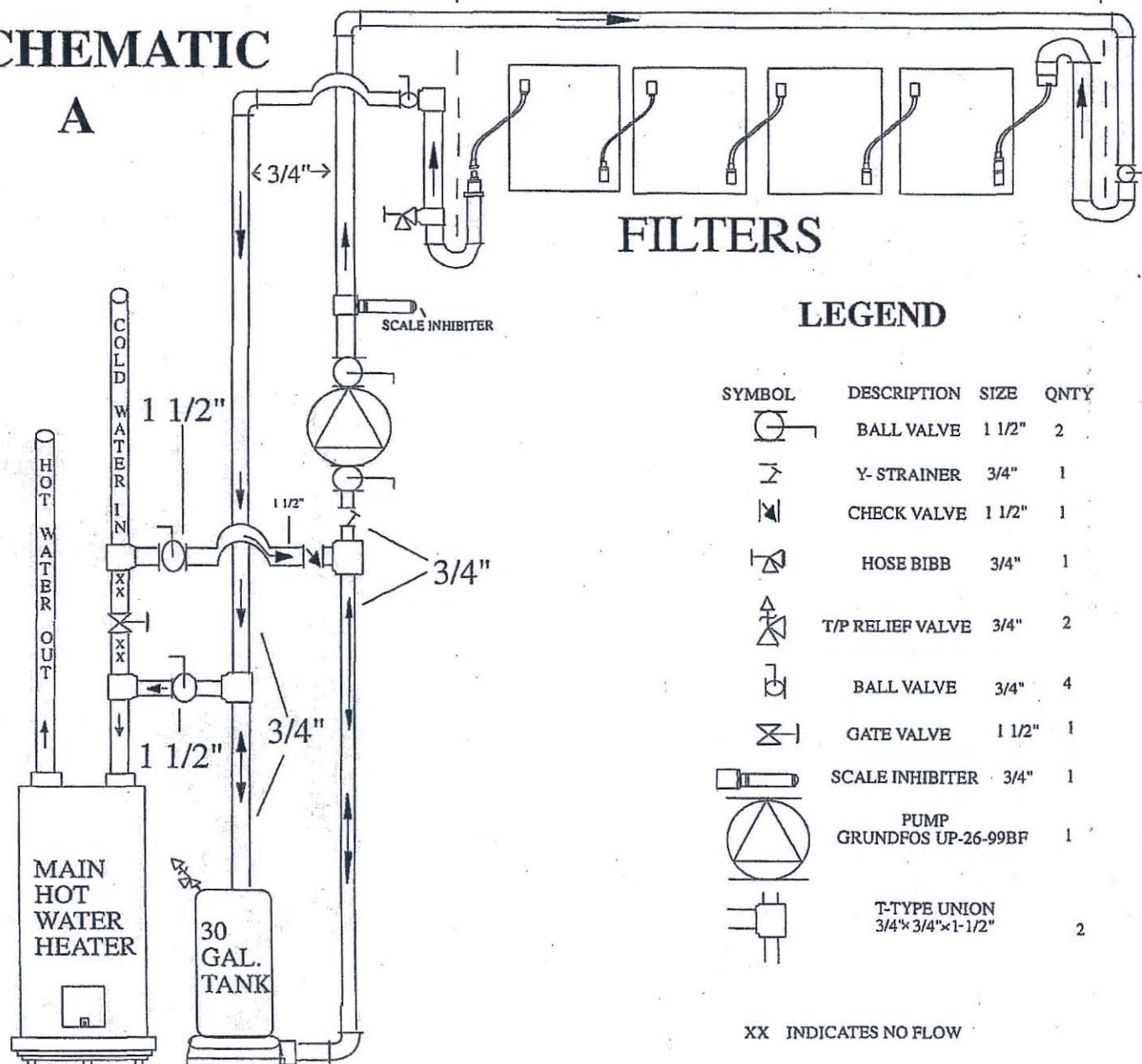
- Hemmed edges to eliminate sharpness
- Stainless steel handles for easy removal and replacement
- UL/CUL Certification Number R 26353
- 1 Year Manufacturer Defect Warranty (subject to inspection prior to replacement)



Heat Capture Systems, Inc
www.HeatCaptureSystems.com

SCHEMATIC

A



HOOD

FILTERS

LEGEND

SYMBOL	DESCRIPTION	SIZE	QNTY
	BALL VALVE	1 1/2"	2
	Y-STRAINER	3/4"	1
	CHECK VALVE	1 1/2"	1
	HOSE BIBB	3/4"	1
	T/P RELIEF VALVE	3/4"	2
	BALL VALVE	3/4"	4
	GATE VALVE	1 1/2"	1
	SCALE INHIBITER	3/4"	1
	PUMP GRUNDFOS UP-26-99BF		1
	T-TYPE UNION 3/4" x 3/4" x 1-1/2"		2

XX INDICATES NO FLOW

Natural Gas Savings - Nicor Gas Custom Incentive Calculator

HEAT CAPS PROJECT COST ESTIMATE

Storage Tank	\$500
Pump	\$300
Hood Filter Spacers	\$300
Plumbing Supplies	\$700
Equipment Sub-Total	\$1,800
 # of Filters Needed	 6
Cost per Filter	\$1,000
Cost per hose and quick connect	\$100
Total Filters Cost	\$6,600
 # of Plumber Hours Needed for install	 20
Cost Per Plumber Hour	\$80
Total Plumbing Cost	\$1,600
 TOTAL PROJECT COST	 \$10,000

People's Gas Incentive is \$0.71/therm capped at 50% of project cost.
Payback must be greater than 12 months.

Payback Period in Months	45.2
50% of Project Cost Cap	\$3,000

Nicor Gas Incentive Amount **\$3,000**

ESTIMATED ANNUAL SAVINGS

Water Usage From Water Bill (gallons)	109,000.0
Number of Days on Water Bill	33
Est. % of Total Usage for Hot Water (Avg. 80-90%)	70%
Total Estimated Hot Water Gallons Used Monthly	69,364
 City Inlet Water Temperature (°F)	 45
 Hot Hood Temperature	 150
% of Temperature Recovered	80%
TRS Inlet Water Temperature (°F)	120
 Desired Hot Water Temperature (°F)	 140
 Average Cost Per Therm	 \$0.51
 Annual Water Heating Cost Without Heat Caps	 \$3,366
Annual Water Heating Cost With Heat Caps	\$709
TOTAL ANNUAL SAVINGS	\$2,657

First Year Therm Savings	5209.8
Incentive Dollar Amount Per Therm	\$1.00
Nicor GAS THERMS SAVINGS INCENTIVE	\$5,210



"What a great idea!"

WE GET THAT A LOT.

Thank goodness for the patents.

So how much can I save?



Rule of Thumb: About 25% of Your Monthly Gas Bill

Savings estimates can be more accurately calculated by using water and gas utility bills.

Water Usage From Water Bill (in CCF - hundred cubic feet)	100.0	
Number of Days on Water Bill	30	
Estimated Hot Water % of Total Water Use (Avg. 80-90%)	80%	
Total Estimated Hot Water Used Monthly (in Gallons)		59,840
Average Measured Hot Hood Temperature (°F)	150°F	
Average % of Temperature Recovered by Heat Caps	80%	
Heat Capture Filters Water Temperature (°F) to Water Heater		120°F
City Inlet Water Temperature (°F) to Water Heater		45°F
Desired Hot Water Temperature (°F)		140°F
Local Cost Per Therm of Natural Gas		\$1.20
Monthly Hot Water Cost Before (75°F ΔT) *		\$569.00
Monthly Hot Water Cost With Heat Caps (20°F ΔT) *		\$120.00
Total Heat Caps Monthly Savings		\$449.00

* Hot Water Cost = total gallons x 8.3 lbs/gal x ΔT + 100,000 btu/therm x cost/therm



A SOUND INVESTMENT

Most customers will see that a cash purchase of a Heat Capture Filter System will pay for itself in 1-2 years.



LEASING PAYS BACK NOW!

With our \$1 buyout lease options, your monthly payments will be a fraction of your monthly savings. Use other people's money to save your own.



BETTER GREASE COLLECTION

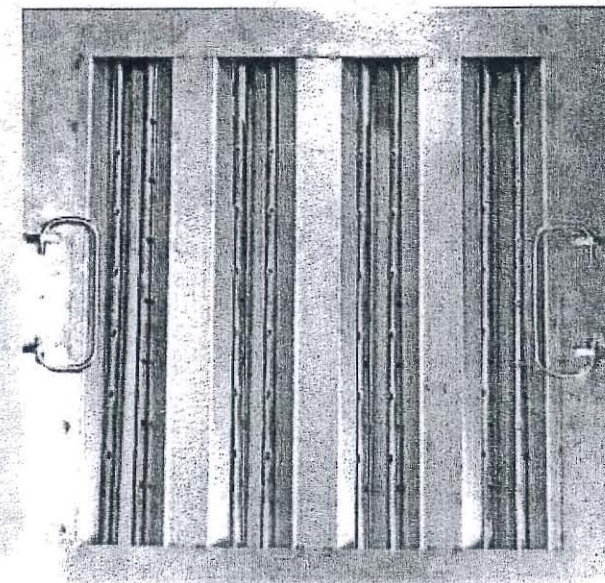
You'll definitely need a larger grease trap pan. Better grease collection means less money spent on regular hood and roof cleaning.



UL® Approved



Teflon™ Coated

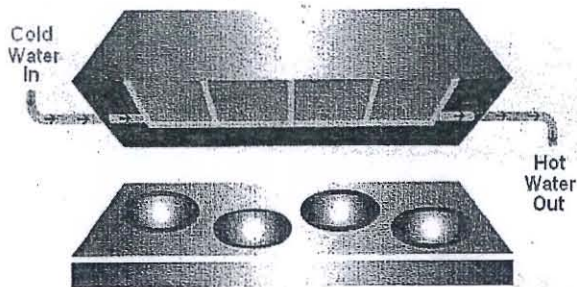


THERMAL RECOVERY SYSTEMS, INC.
P.O. BOX 325, Lakewood, WI 54138
www.HeatCaps.com

To Find or Become a Distributor, Contact:



MBC - MARTH BROTHERS
866.575-5950
info@marthbrothers.com



RECYCLE COOK LINE HEAT TO HEAT WATER

Heat Capture Filters are specially ducted and connected together with stainless steel mesh hoses. Cold water coming in from outside is pumped through the filters. As the hot air drawn up by the hood passes through the filter, it heats the water which is then circulated to a small storage tank connected to the water heater. Now the water heater has only to heat the water a few degrees rather than the 90-100 degrees it would normally. The result is big savings on your monthly gas bill.

OUR MODEL

This was the original prototype for using exhaust heat to heat water. After a long hot soak, our founder Bob, an executive chef, was thinking if only he could use this water to wash his dishes in his restaurant, he could save a lot of money. Then one day he was whippin' up some food...and it hit him, or dripped on him to be more precise...



NEW CUSTOMERS ARE LOOKING FOR MORE THAN JUST GOOD FOOD AND DÉCOR

According to the National Restaurant Association...

- 56 percent of adults say they are more likely to visit a restaurant that offers food grown or raised in an organic or environmentally friendly way.
- 57 percent of adults say they are likely to make a restaurant choice based on how much a restaurant supports charitable active ties and the local community.



- More than 1,800 professional chefs, members of the American Culinary Federation, ranked nearly 215 food and beverage items, preparation methods and culinary themes to reveal the hottest restaurant menu trends in 2010.

Sustainability, local sourcing and nutrition ranked number one!

Proudly distributed by:



MBC - MARTH BROTHERS

INNOVATIVE GREEN RESTAURANT SOLUTIONS

866.575.5950

info@marthbrothers.com



HEAT CAPTURE FILTERS



THERMAL RECOVERY SYSTEMS, INC.

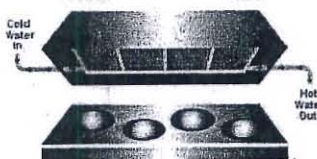


Quality Filter, Inc.

877.484.4670

Featuring MBC Green Products

"Going Green Is Good Business"



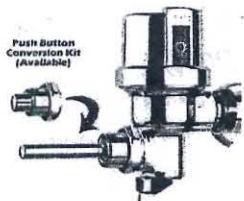
Heat Capture Filters™

- Cut 25% off of your monthly gas bill
- Capture wasted exhaust heat and use it to heat water for the water heater
- Provides 80-90% of the hot water used in your restaurant
- Saves more than it costs per month on lease to own



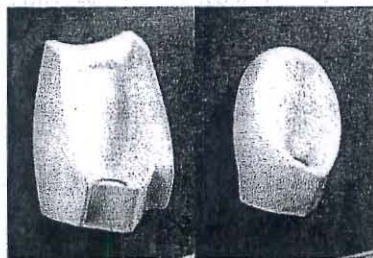
Frylow™ Oil Saving Catalyst

- Cut your monthly frying oil costs and grease change hassles in half!
- Acts on oil to keep it from breaking down and clumping, while improving heat transfer
- Uses antioxidation, negative ionization, and infrared technologies with NSF® approved safety
- Turn your fryers down to 325° to cut gas bills and cook in the same amount of time
- Reduces calories in fried foods by up to 20% along with huge green benefits



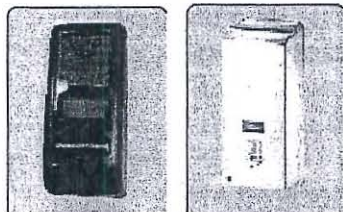
Hybridflush Automatic Flush Valve

- Reduces water volume by 50% on urinal, 50% on 3.5 gpf toilets, and 30% on 1.6 gpf toilets
- Distinctive Hybrid design (automatic/manual)
- Vandal-resistant metal casing - not plastic like on other systems
- Patented BRV motor drive system cannot be affected by hard water build-up
- Comes with ghost flush and water saver mode
- Keeps working even when the batteries are drained since there is a manual back up



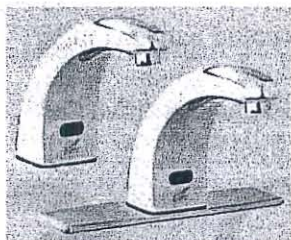
American Standard's FloWise® Flush-Free™ Waterless Urinals

- Incorporates a bio-friendly odor barrier that prevents bacterial growth and prevents odor
- Lasts 15,000 cycles before maintenance is required — ten times longer than competitors resulting in cost savings in labor hours, besides the obvious water savings
- Unique chinaware design eliminates potential pooling
- Industry's largest waterless urinal trapway prevents build-up in the waste line
- Feature streamlined European styling
- Available in three sizes



Touch Free Soap/Sanitizer/Lotion Dispensers

- Eliminate cross contamination
- Saves 80% on solution usage - Dispenses 1 milliliter of solution
- Three dispensers to choose from in Gel or Foam
- OSHA and the ADA recommended for businesses
- All dispensers are universal and can use many different types of soaps, sanitizers, and lotions
- Solutions sold separately



Touch Free Faucets

- Eliminate cross contamination
- Save 70% on the use of water
- Several options to choose from
- AC/DC or self powered with available hydro generator
- Patented BRV motor drive system cannot be affected by hard water build-up
- Optional thermo mixing valve delivers tempered water



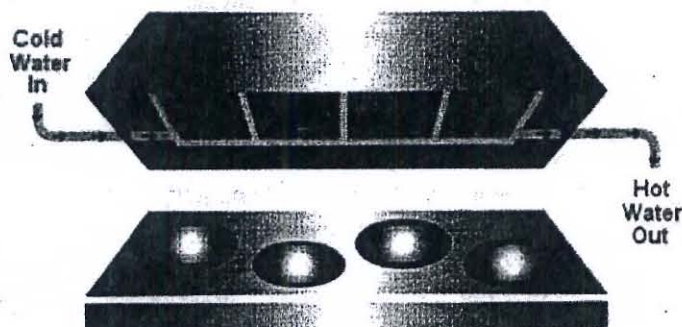
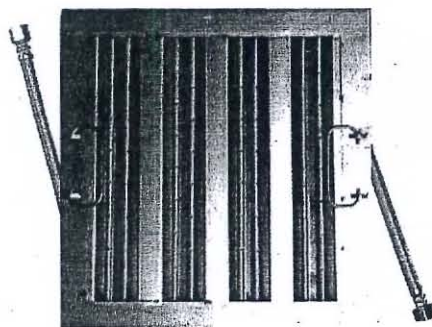
BluStorm Touch Free High Speed Dryers

- Turns on and off automatically when hands are put under dryer and removed
- High speed airflow dries hands in less than 10-15 seconds
- 95% cost savings versus paper towels (accounting for electricity usage)
- 70% cost savings versus conventional hand dryers
- Power cut off automatically in case of irregular use over 60 seconds
- 5 year warranty



HEAT CAPTURE SYSTEMS

Recycle Hood Exhaust Heat and Save 25% Off Your Monthly Gas Bill!



Dramatic Cost Savings with Green Benefits

- Provides 80% of all the hot water needed by a restaurant
- Cuts approximately 25% off of your monthly gas bill
- Provides immediate savings and payback when leased to own

Monetary Savings

6 Filter System with Tank and Pump	\$6,725.00
Estimated Installation and Plumbing	\$900.00

Est. Monthly Savings from Hot Water Bill	\$416.00
--	----------

Est. Monthly Savings from Hood/Roof Cleaning	\$50.00
--	---------

GROSS SAVINGS PER MONTH	\$466.00
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Lease to Own Payments (60 Months)	\$181.00
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NET SAVINGS PER MONTH	\$285.00
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Cash Purchase Payback Period in Months	18.3
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Cash Purchase 5 Year Return on Investment	328%
---	------

Additional Tax Credits and Energy Efficiency Rebates may apply.

Environmental Savings

Natural Gas Therms Saved	6714
Pounds of CO ₂ Saved	78,595
Equivalent Number of Cars Taken Off Road	.66
Equivalent Number of Trees Planted	26.8

Simple Design

- Replaces conventional grease filters
- No hood alterations required
- Potable water flows through filters
- Preheats water for the water heater
- System turns on/off with hood on/off
- Easily installed by licensed plumber
- Includes step by step instructions
- Includes technical drawings for permits

Superior Grease Collection

- UL requires 4 to 1 weight capture ratio
- Heat Caps tested 3 times above standard
- Less grease stays on filters
- Less grease in hood
- Less grease on roof
- Less CO₂ emissions

Safe and Reliable

- UL Tested and Certified in US and CA
- Teflon® coated copper tubing
- Patented technology
- Invented by an Executive Chef
- Made in the USA



Distributed by:

MBC
Marth Brothers and Company

For Orders and Inquires, Call: (866) 575-5950

Or Email: info@HeatCaps.com

Visit us at: www.HeatCaps.com



Cost and Savings Analysis

Going Green Is Good Business for Restaurants

Equipment		Qty	Price	Install	Rebate	Total	Est	-	Net
Heat	Thermo Recovery 4 Filter System	1	6600.00	2700.00	0.00	\$9,300.00	354.00	212.00	\$142.00
			0.00	0.00	0.00	\$0.00		0.00	\$0.00
			0.00	0.00	0.00	\$0.00		0.00	\$0.00

* Savings estimates based on information from water and/or gas bill. Savings achieved by reducing temperature rise required by water heater.

Touch Free Restrooms	Auto Faucet w/thermo mix & regen	4	647.00	50.00	0.00	\$2,788.00	77.44	63.57	\$13.88
	Auto Flush Valve - Toilet	3	229.00	25.00	0.00	\$762.00	21.17	17.37	\$3.79
	Auto Flush Valve - Urinal	2	229.00	25.00	0.00	\$508.00	14.11	11.58	\$2.53
	Auto Soap Dispenser	4	99.00	25.00	0.00	\$496.00	13.78	13.64	\$0.14
	Fragrance Free Soap 4x1gal	2	99.00	7.00	0.00	\$212.00	5.89	5.83	\$0.06
	BluStorm Hand Dryer	4	350.00	100.00	0.00	\$1,800.00	190.00	49.50	\$140.50
	StepNPull Door Opener	2	35.00	13.00	0.00	\$96.00	0.00	2.64	-\$2.64
			0.00	0.00	0.00	\$0.00		0.00	\$0.00

Oil	Frylow™ Oil Saving Catalytic Filter	3	1000.00	0.00	0.00	\$3,000.00	328.95	68.40	\$260.55
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Lights	Fixture or Bulb Type	Qty	Price	Install	Rebate	Total	Energy	replacemen	Total
	65W>8W Dimm CC R30 Flood	12	20.00	0.00	5.00	\$235.00	22.98	14.11	\$37.09
	60W>8W Dimm CC A-19 Bulb	16	18.00	0.00	5.00	\$283.00	27.96	24.64	\$52.60
	48" T8 Linear Mounted Fixture	9	45.00	0.00	9.00	\$396.00	19.35	0.00	\$19.35
	48" T8 Conversion Kit	18	45.00	0.00	15.00	\$795.00	116.12	0.00	\$116.12
			0.00	0.00	0.00	\$0.00	0.00	0.00	\$0.00
			0.00	0.00	0.00	\$0.00	0.00	0.00	\$0.00

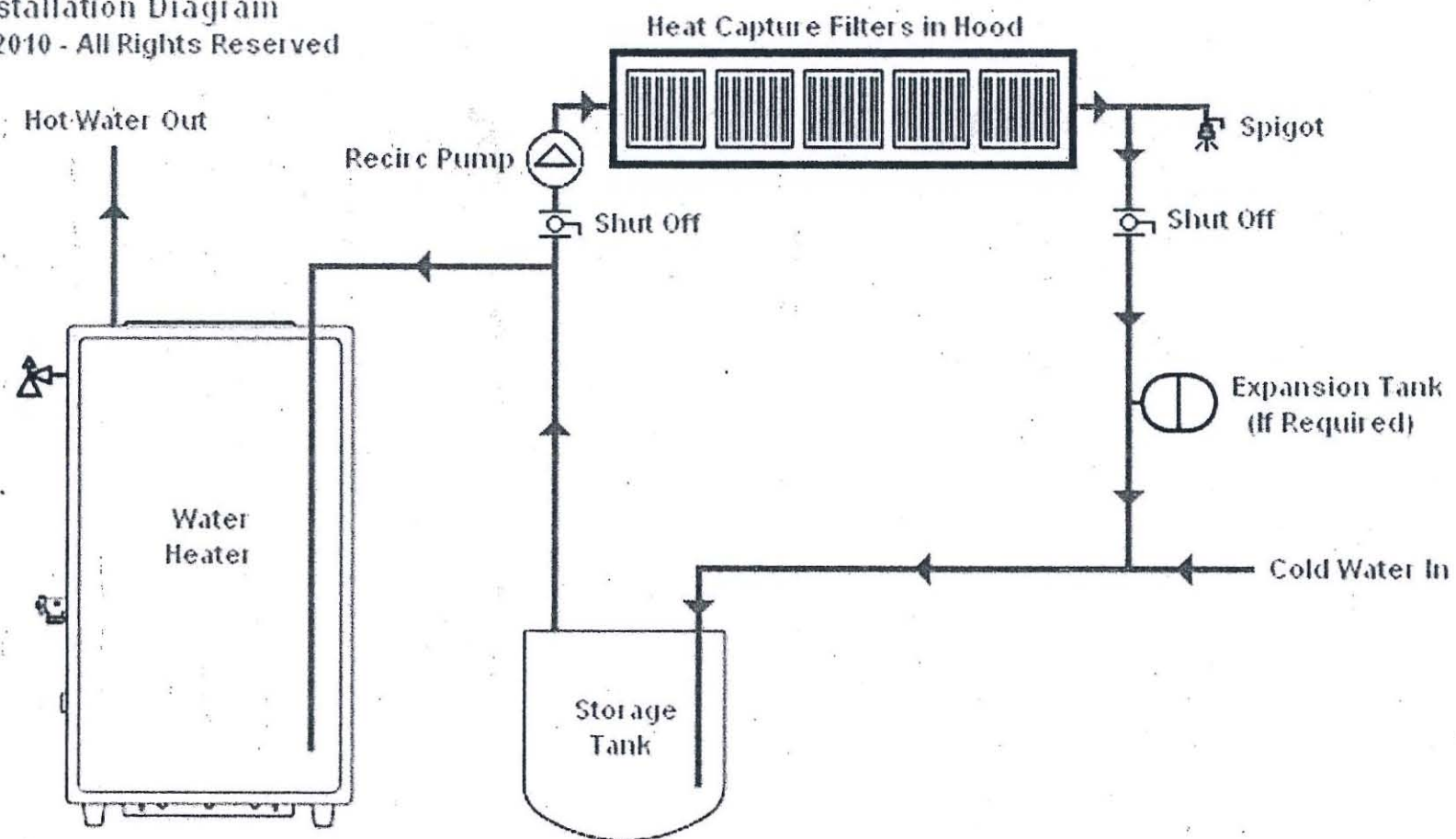
* Savings based on 14 hrs/day usage and \$.08/KwH. Replacement savings based on purchase cost differences and labor costs of \$1/bulb change.

Equipment	Total	Est	-	Net
Totals				
Leasable Total	\$18,962.00	1005.34	432.33	\$573.01
Cash Total (Non-Leasable)	\$1,709.00	186.41		\$186.41
Total	\$20,671.00	1191.75	432.33	\$759.42

Cash Purchase Payback Period in Months: 17.35

Lease Term: 60 months

Heat Capture Systems, Inc.
Installation Diagram
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Natural Gas Savings - Nicor Custom Incentive Calculator

HEAT CAPS PROJECT COST ESTIMATE

Storage Tank	\$300
Pump	\$200
Hood Filter Spacers	\$300
Plumbing Supplies	\$300
Equipment Sub-Total	\$1,100
# of Filters Needed	6
Cost per Filter	\$1,000
Cost per hose and quick connect	\$100
Total Filters Cost	\$6,600
# of Plumber Hours Needed for install	20
Cost Per Plumber Hour	\$80
Total Plumbing Cost	\$1,600
TOTAL PROJECT COST	\$9,300

ESTIMATED ANNUAL SAVINGS

Water Usage From Water Bill (gallons)	90,000.0
Number of Days on Water Bill	30
Est. % of Total Usage for Hot Water (Avg. 80-90%)	70%
Total Estimated Hot Water Gallons Used Monthly	63,000
City Inlet Water Temperature (°F)	45
Hot Hood Temperature	150
% of Temperature Recovered	80%
TRS Inlet Water Temperature (°F)	120
Desired Hot Water Temperature (°F)	140
Average Cost Per Therm	\$0.71
Annual Water Heating Cost Without Heat Caps	\$4,256
Annual Water Heating Cost With Heat Caps	\$896
TOTAL ANNUAL SAVINGS	\$3,360

Nicor Incentive is \$.75/therm if under 7500/year, \$1.00/therm if over 7500/year, capped at 30% of Project Cost.
Payback must be greater than 12 months.

Payback Period in Months	33.2
30% of Project Cost Cap	\$2,790

First Year Therm Savings	4731.8
Incentive Dollar Amount Per Therm	\$0.75
NICOR THERMS SAVINGS INCENTIVE	\$3,549

NICOR TOTAL INCENTIVE AMOUNT **\$2,790**



Heat Capture Systems Calculator

Going Green Is Good Business
for Restaurants

HEAT CAPS COST ESTIMATE

# of Filters Needed	6
Cost Per Filter with Hose and Connector	\$1,100
Filter and Connector Cost	\$6,600
Storage Tank	\$300
Pump	\$200
Hood Spacers	\$300
Pipe and Fittings	\$150
Gauges and Valves	\$150
Installation Kit Cost	\$1,100
# of Plumber Hours Needed for install	20
Plumber Cost Per Hour	\$80
Plumbing Estimate	\$1,600
TOTAL SYSTEM COST	\$9,300
Less Tax Credits and Utility Rebates	\$2,340
TOTAL COST ESTIMATE	\$6,960

ESTIMATED MONTHLY SAVINGS

Water Usage From Water Bill (gallons)	90,000.0
Number of Days on Water Bill	30
Est. % of Total Usage for Hot Water (Avg. 70-80%)	70%
Total Estimated Hot Water Gallons Used Monthly	63,000
City Inlet Water Temperature (°F)	45
Average Measured Hot Hood Temperature (°F)	150
% of Temperature Recovered	80%
Heat Capture Filters Water Temperature (°F)	120
Desired Hot Water Temperature (°F)	140
Average Cost Per Therm	\$0.71
Monthly Hot Water Cost Before	\$355
Monthly Hot Water Cost With Heat Caps	\$75
HEAT CAPS MONTHLY SAVINGS	\$280

If paid by cash...

PAYBACK PERIOD IN MONTHS	24.9
5 YEAR RETURN ON INVESTMENT	241%

If paid using a \$1 buyout lease...

Lease Term in Months	60
Less Monthly Lease Payment	\$220
IMMEDIATE NET MONTHLY SAVINGS	\$60

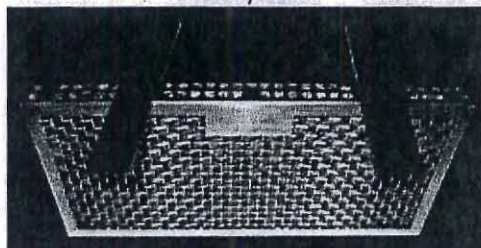


Innovative Environmental Solutions
www.marthbrothers.com
866.575.5950

GOING GREEN IS GOOD BUSINESS

Thank you for your interest in the Frylow™. MBC is excited to introduce this new product in the United States after years of use in Japan and Canada. First and foremost, the Frylow™ has been approved and certified as safe by NSF® International and Food and Drug Administration (FDA)

The Frylow™



The Frylow™ is a device that inserts directly into a commercial deep fryer. It has a perforated stainless steel case filled with 3 types of ceramic balls or spheres. These spheres use principles of physics to act on the oil molecules but do not change the oil chemically at all.

Ionic Spheres use a negative ion count to suppress the tendency for heated oil molecules to bond together, thus lowering the viscosity of the oil and increasing its ability to conduct heat.

Anti-Oxidation Spheres use titanium reduction photo-catalytic technology to enhance the performance of the ionic spheres and to de-fragment the fat and oil molecules. They also contain anti-bacterial and anti-mold properties.

Infrared Spheres use far-infrared radiation to raise the heat transfer properties of the oil which allows for reduced temperature frying and shorter cooking time.

The combination of the spheres interaction with the oil and the reduced frying temperature allows the oil to last up to 150% longer. For most people, this cuts their oil costs in half. Since the spheres are all of solid composition, with no coating to wear off, the Frylows™ come with a 3 year limited warranty. The only maintenance to be done is to rinse the unit with hot water when the oil is changed to remove particulates and allow the oil to flow freely through the unit.

Oil cost savings are only one of the benefits of using the Frylow™, albeit probably the most important these days. Other benefits to consider are:

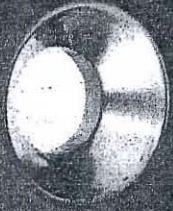
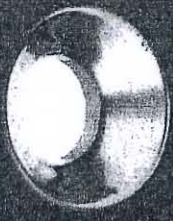
- Up to 30% less calories, better tasting, less greasy fried food due to reduced absorption of oil
- Lower fryer temperature provides natural gas energy savings, is safer, and requires less energy for cooling the air in the kitchen
- Less oil use has a profound effect on the global food supply (using less grain, water, land, and fertilizer) and an environmental impact (reducing diesel fuel consumption and exhaust, deforestation, insecticides, and CO₂ emissions)
- Changing the oil less often reduces labor costs and chances for accidents

Many of our customers have been skeptical of a device that costs much less per month than it saves. Of course it sounds too good to be true, but actually it is just a function of low financing rates versus high cost savings. We are careful not to use words like "magic" or "miracle". The Frylow™ is just good science creating better technology. Because of the natural skepticism, we work closely with our customers offering them a free trials so that the Frylow™ can prove its cooking and cost saving abilities. The results have been incredible and our customers couldn't be happier. Our references are growing daily.

We look forward to helping you save money and go green in your restaurants and we invite you to check out our website at www.mbcgreen.com and the Frylow website at www.frylow.com

 **StepNpull**.com
PAT PENDING

MADE IN USA



THE Great Escape ON IRVING, INC.

IS
**GOING
GREENER**

With MBC Green Solutions from Quality Filter, Inc.

We've added:

★ **Frying Oil Saving Devices**

Double the life of the frying oil by reducing breakdown and improving the heat transfer so that food cooks at a lower temperature thus reducing natural gas usage and air conditioning. Better oil quality allows fried foods to be less greasy with less calories. Less oil used means less farmland required, less water, less fertilizer, less insecticide, less diesel fuel for shipping, less carbon emissions, etc.



★ **Energy Efficient Lighting**

We are using the latest cold cathode and fluorescent technology to cut our lighting energy use to about a fourth of what it was before. In addition, these lights last about 10 times longer so we reduce the amount of packaging and waste that we create.

★ **Heat Recovery Hood Filters**

Our cook line heat is recycled and used to heat water for the dishwasher and the entire restaurant. By sending preheated water to our water heater, we are able to cut our natural gas usage by more than 25%. These filters are also more efficient at capturing grease from the hood exhaust so we reduce our carbon emissions. The Great Escape is one of the first restaurants in the country to install these heat recovery hood filters.

★ **Touch Free Faucets and Flush Valves**

The touch free faucets and flush valves that we have installed not only provide a more sanitary restroom experience, they will reduce our overall water usage by more than 10% and will prevent accidental running water.

★ **Automatic High-Powered Hand Dryers**

These powerful hand dryers dry your hands in just a few seconds and allow us to eliminate using paper towels. This not only reduces our demand on natural resources, but it also reduces the amount of waste that we produce. For those of you who used the paper towels to open the door, we have installed a Step-n-Pull at the bottom of the door so that you can use your shoe to open the door rather than your hands.

We hope that you appreciate our efforts in sustainability.

Drop us an email at Info@GreatEscapeRestaurant.com.

QUOTATION # A6-1963

DATE: 09-29-2010

PAGE = 1

*** GATEWAY ELECTRICAL SALES CO., INC.

Phone:314-842-4374

*** 9120 Watson Rd.

Fax:314-842-3850

*** St. Louis, MO

63126

To:

Project:THE IRISH PATRIOT

THE IRISH PATRIOT

9875 W 143RD ST

ORLAND PARK, IL

Bid Date:

Architect:

Engineer:

Specifier:

Contract:

Remarks:

Qty	Type	Mfg	Description	Unit Price
-----	------	-----	-------------	------------

7	GOOSENECK		CF WET LED PAR	335.96 \$2351.72
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21	LIGHT		LED/ MR16-FL-30 DOWN	100.00 \$2100.00
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18	LIGHT		LED CANOPY	223.60 \$4024.80
			FOREST GREEN	
			LEDP-3X2WPAR20/60D/65K/C/DIM	

8	U		WSS-0326-B-	334.83 \$2678.64
			FLOUR WALL PACK	

10	UNV		SY920-232-B11-	88.76 \$887.60
			LOW PRO T8 WRAP	

8			SLEDBRW	121.35
			LED EXIT W/ BATT BACKUP	

PLUS TAX AND FREIGHT

Total
\$13013.56

F.O.B. Per MFG
WEEKS

Terms: Net 30 Days

Lead time: 4-6

Prices firm for entry by: 11-13-10
10

Shipment by: 12-08-

Subject to manufacturer's published terms and conditions of sale.

Quotation is void if changed.

Quotation is subject to specifier approval.

Printed 09/29/10 09:20:41

Per: JASON WILL

PLEASE NOTE OUR NEW ADDRESS AND NUMBERS

Jason Will

Gateway Electrical Sales, Inc

1724 A Westpark Center Dr

Fenton, MO 63021

Ph: 636-600-1010

Fx: 636-600-1016



Innovative Environmental Solutions
www.qualityfilterservice.com
773-807-0219

GOING GREEN IS GOOD BUSINESS

QUOTE

September 23, 2010

Business Name: The Irish Patriot	Business Phone: 708-403-5575	Cell Phone: 708-814-1173
Street Address: 9875 W 143 rd St	City: Orland Park	State: IL Zip:
Buyer Name:		

Quote (good for 30 days from presentation)

Item(s) / Service(s)	Qty	List Cost/Each	Total
CF Wet 42W gooseneck light with led par 30 bulb	7	299.00	\$2,093.00
LEDP/PAR30LN-FL-30K (for out side signage)			
LEDP/MR16-FL-30K/ can light	41	89.00	\$3,649.00
F13 Forest Green LED canopy light with	36	\$199.00	\$7,164.00
LEDP-3X2WPAR20/60D/65K/C/DIM			
WSS0326-U*(b) florescent wall-pack with photo sensor	8	\$298.00	\$2,384.00
Sy920-232-b11-UNV Low profile wrap around T-8 /2 lamp	10	\$99.00	\$990.00
Exit sign simkar12" X 7.5" SLEDBRW LED EXIT W/ BATTERY BACKUP Emergency Lights	8	\$108.00	\$864.00
Sub Total			\$17,144.00
Sales Tax			\$1,285.80
Grand Total			\$18,429.80

Payment Method

☒ Check (payable to Quality Filter Service)

Purchase Agreement

QFS Representative Signature: Michael Holmes	QFS Representative Printed Name:	Date: * 9-23-10
Customer Representative Signature: X	Customer Printed Name	Date:

***installation includes hanging and electrical to 6 feet, permits by others

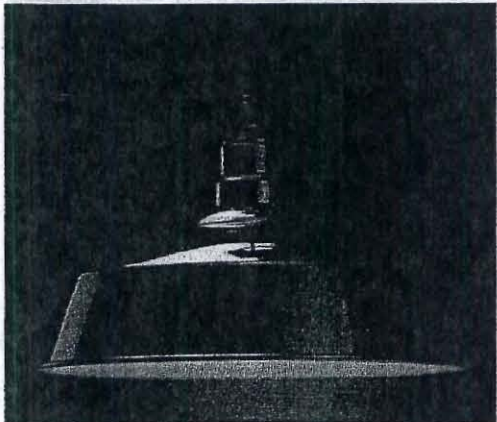
TMSLIGHTING

Q2P (Quick Ship)

Job:

Type:

Quantity:



Application:

Indoor application pendant. Drop cord mount

Construction:

Aluminum construction with polyester powder coated finish.

Lamping:

Available with incandescent, metal halide, fluorescent and soon to be available LED lighting options.

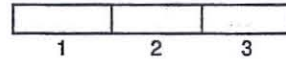
Ballast:

Electronic ballast supplied with (RFI circuit for fluorescent only).
120-277 multi-volt for North America. Consult for 347V or European voltages.

Finishes:

Available with polyester powder coat and painted finishes. Custom and RAL colors also available.

Q2P



1.PN

- A 1 x IN150w (100w max when used w/globe)
- B 1 x CF26w PL-T
- C 1 x CF32w PL-T
- D 1 x CF42w PL-T
- E 1 x MH70w ED-17

2.Voltages

- 1 120V
- 2 277V

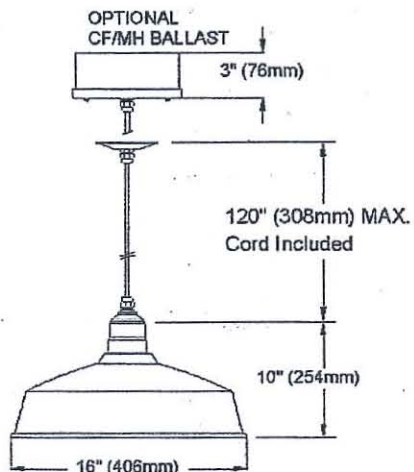
3.Finishes

- F05 White
- F10 Fire Red
- F13 Forest Green
- F15 Matte Black
- F16 Gloss Black
- F31 Silver Metallic

* For alternate finishes contact your local TMS Lighting representa-

Quick Ship :

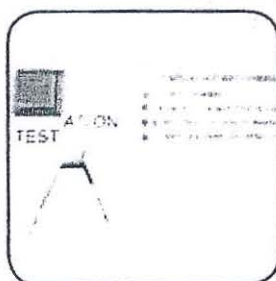
5 Day lead time. Items ship within 5 business days of receipt of purchase order. Subject to availability.





EXIT

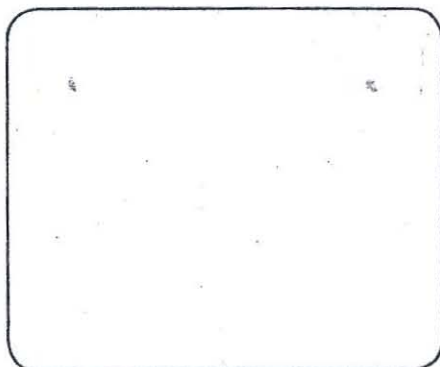
Also available in Spanish
(SALIDA)



Self-Diagnostic (SD)
option available

SLED Series Ordering Information

SLED	A = AC B = Battery Backup	G = Green R = Red	B = Black W = White	(Blank) = Exit SALIDA = Salida	2 CIRCUIT = Dual Circuit SD = Self-Diagnostic
------	------------------------------	----------------------	------------------------	-----------------------------------	--



Back plate mount



LED Exit Light illuminated by long lasting, ultra-efficient light emitting diodes, is inexpensive to operate and virtually maintenance-free.



Self-Diagnostic (SD)
option available

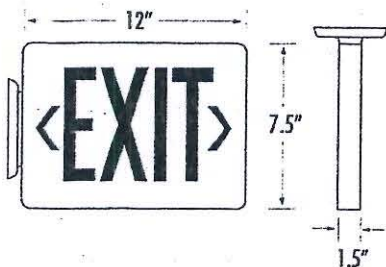


Back plate mount



Canopy
mount

Dimensions



Housing

Injection-molded, V-0 flame retardant, high-impact, thermoplastic low profile housing, white or black finish.

Provided with two faces and back plate as standard.

ADA compliant for flush mounting.

Illumination

Energy efficient red or green LED with life of 25 years plus — energy consumption of less than 3 watts!

Options

Self-Diagnostic (option SD) continuously diagnoses unit performance and tests system (15-minute battery discharge every 30 days and 90-minute full discharge every 12 months) to ensure reliable operation and to meet electrical and life safety codes.

Battery

Emergency battery backup (option B) equipped with 4.8V nickel-cadmium, maintenance-free, rechargeable battery.

Transfer/Charging Circuitry

Internal solid-state transfer switch automatically connects the internal battery to lamp heads for minimum 90-minute emergency illumination.

Fully automatic solid-state, two-rate charger initiates battery charging to recharge a discharged battery in 24 hours (battery back up units).

Electrical

Dual 120/277V voltage.

Dual circuit operation (option 2CIRCUIT) provides two transformers to meet special code requirements. (AC units only)

Charge rate/power on LED indicator light and push-to-test switch for mandated code compliance testing.

LVD (low voltage disconnect) prevents battery from deep discharge.

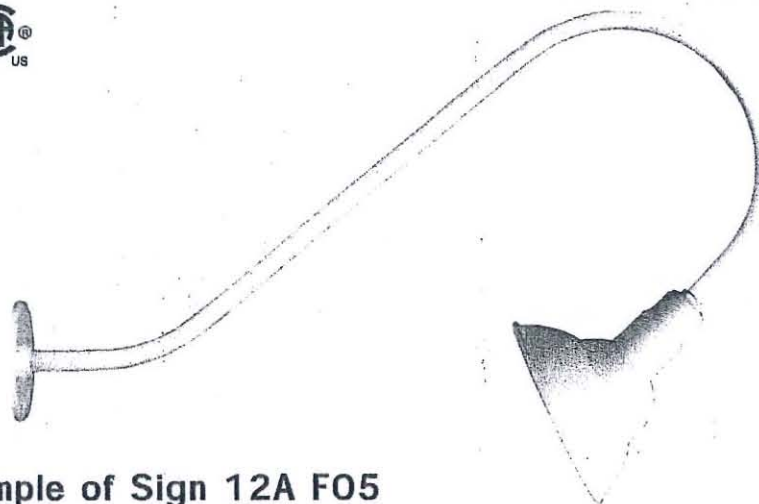
UL, C-UL (tested to C860), and ETL Damp location listed. Salida signage is ETL listed. Meets UL924, NFPA 101 Life Safety Code, and NEC requirements.

Mounting

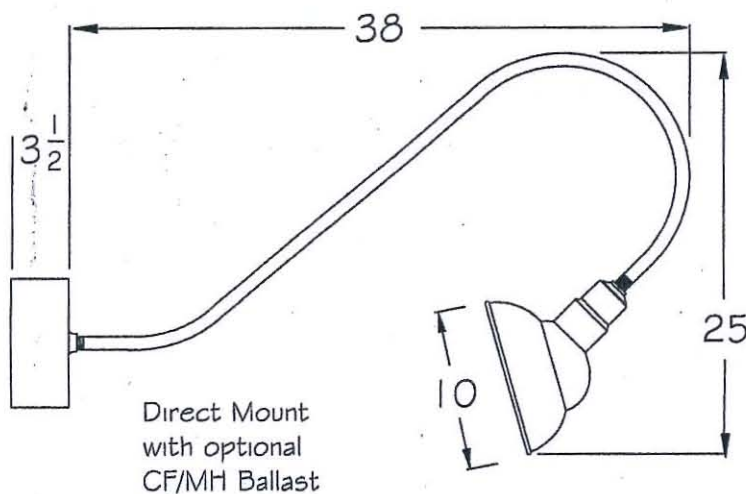
Side, top, or back mounting with universal mounting canopy or easy connect back plate, which fit most standard junction boxes.

Warranty

Five year warranty on all electronics and housing.



Example of Sign 12A F05
Incandescent Wet location in White
Ballast enclosure not included



Sign 12

Alternate configurations available.
CF - Compact Fluorescent
MH - Metal Halide

See Color Chart for alternate Finishes

Visit www.tmslighting.com for updates and to view in color.

Custom Colors, Copper, Galvanized, and
Brushed Aluminum are also available - Consult TMS



Direct Mount Ballast	Product Number	Description Ballast location	Wattage	Voltage
	12A	Incandescent Ballast Enclosure not included	200W _{Max}	120
	12B	CF Dry/Damp	42W	120 to 277
	12C	CF Wet	42W	120 to 277
	12D	MH Dry/Damp	100W	120 to 277
	12E	MH Wet	100W	120 to 277

Remote Ballast	Product Number	Description Ballast location	Wattage	Voltage
	12H	CF	42W	120 to 277
	12J	CF Wet	42W	120 to 277
	12K	MH Core & Coil	100W	120/277/347
	12L	MH Wet Core & Coil	100W	120/277/347

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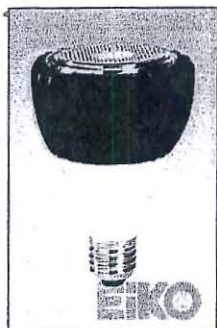


TMS LIGHTING Ltd.

Lamp included in all CF and MH combinations
Complete with cover plate, leads and socket

Material: NONE	Date: 01/05/2004	Size: A	DWG No. Sign 12	Rev 3
Finish: NONE	Drawn By: EW - Rev 01/07	Not to Scale	Sheet 1 of 1	

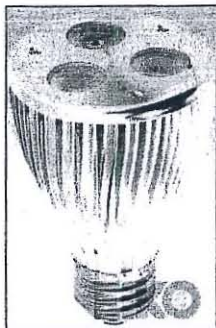




LEDP/PAR30LN-FL-30K

PAR30 12W Power LED 3000k 120 Degree

Specifications	
Item	LEDP/PAR30LN-FL-30K
Bar Code	05735
Volts	120-240VAC
Watts	12
Lumens	260
MOL in/mm	121mm
MOD in/mm	90mm
Avg Life	50,000
Bulb	PAR30LN
Base	Medium Screw (E26)
Special Desc	Operates on universal voltage of 100 to 240Volts. Do not Dim. Indoor Locations Only.
CT deg K	3000
Photo No	652
Beam Angle	120
CRI	60
Led Type	Power
Emitted Color	Warm White



LEDP-3X2WPAR20/60D/65K/C/DIM

PAR20 LED 3X2W 60D 6500K CREE CHIP DIMMABLE

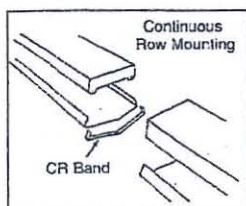
Specifications	
Item	LEDP-3x2WPAR20/60D/65K/C/DIM
Bar Code	06834
Volts	120VAC
Watts	4
Lumens	300
MOL in/mm	97mm
MOD in/mm	63mm
Avg Life	30,000
Bulb	PAR20
Base	Medium Screw (E26)
Special Desc	Dimmable down to 5%.
CT-deg K	6500
Photo No	787
Beam Angle	60
CRI	75
Led Type	Power
Emitted Color	Cool White

Housing

Die-formed heavy gauge steel with high-gloss, baked white enamel finish over rust inhibiting phosphate coat. Standard white ends are injection molded. Knockouts provided.

Shielding

Clear DR acrylic prismatic lens; smooth white also available. Lens hinges from either side.



SY920 Low Profile Wraparound utilizes a shallow 3 1/4" housing. Self-spacing unit is suitable for low-density cellulose fiberboard ceilings.



Electrical

Fully wired for UNV 120-277V, 50-60Hz operation with thermally protected, automatic resetting Class P, sound rated A ballast as standard unless otherwise specified. UL listed damp location.

Mounting

Ceiling surface mount individual or continuous row (with CR bands). Only one CR band supplied with every tandem unit. For continuous row mounting, additional CR bands are needed. Tandem two-lamp model available. Use stabilizer bracket kit for four-lamp pendant hung models.

SY920 Series Ordering Information

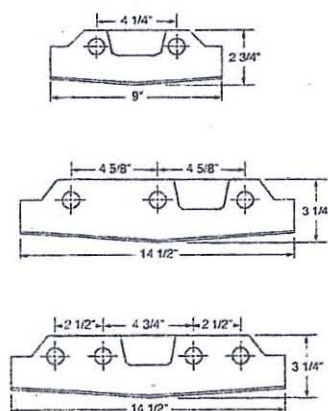
SY920 = prismatic lens (standard)	2	14 = 14W 24" T5
SW920 = smooth white lens	3	17 = 17W 24" T8
	4	20 = 20W 24" T12
		24 = 24W 24" T5HO
		25 = 25W 36" T8
		28 = 28W 48" T5
		32 = 32W 48" T8
		40 = 34 or 40W 48" T12
		54 = 54W 48" T5HO
	22 = Tandem, 4 lamps	

SY920 = prismatic lens (standard)	2	14 = 14W 24" T5	UNV = 120-277V
SW920 = smooth white lens	3	17 = 17W 24" T8	120 = 120V
	4	20 = 20W 24" T12	277 = 277V
		24 = 24W 24" T5HO	
		25 = 25W 36" T8	
		28 = 28W 48" T5	
		32 = 32W 48" T8	
		40 = 34 or 40W 48" T12	
		54 = 54W 48" T5HO	
	22 = Tandem, 4 lamps		

SY920 = prismatic lens (standard)	2	14 = 14W 24" T5	UNV = 120-277V
SW920 = smooth white lens	3	17 = 17W 24" T8	120 = 120V
	4	20 = 20W 24" T12	277 = 277V
		24 = 24W 24" T5HO	
		25 = 25W 36" T8	
		28 = 28W 48" T5	
		32 = 32W 48" T8	
		40 = 34 or 40W 48" T12	
		54 = 54W 48" T5HO	
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SY920 = prismatic lens (standard)	2	14 = 14W 24" T5	UNV = 120-277V
SW920 = smooth white lens	3	17 = 17W 24" T8	120 = 120V
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		24 = 24W 24" T5HO	
		25 = 25W 36" T8	
		28 = 28W 48" T5	
		32 = 32W 48" T8	
		40 = 34 or 40W 48" T12	
		54 = 54W 48" T5HO	
	22 = Tandem, 4 lamps		

Dimensions

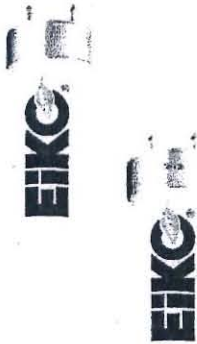


*CEE listed T8; specify (L)ow, (N)ormal, or (H)igh ballast factor. Contact factory for NEMA Premium.

CR = Continuous row mounting band
STBK = Stabilizer Bracket Kit

ENERGY SAVING T8 LAMPS

Four Foot • 28 Watt • CEE Compliant



- **CEE Compliant**
3100 lumen output meets energy efficiency standards
- **TCLP Compliant**
Meets standards for reduced environmental impact
- **Energy Efficient**
Reduces power consumption by as much as 75%
- **Top Quality Phosphors**
Ensures stable and constant light output
- **Long Life**
Less frequent re-lamping reduces maintenance costs



Selection. Solutions. Simplicity.

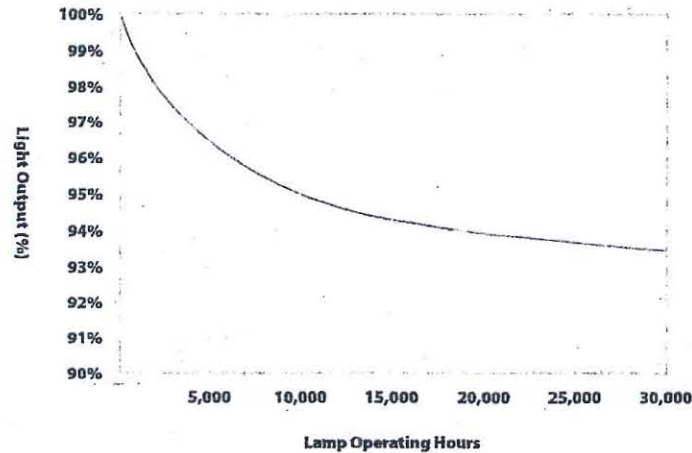
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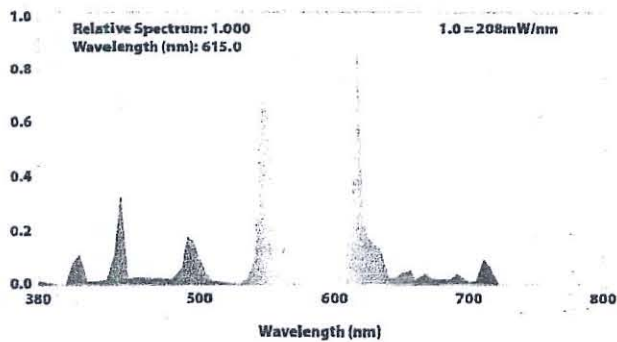
ENERGY SAVING T8 LINEAR FLUORESCENT LAMPS

Appendix A – Charts

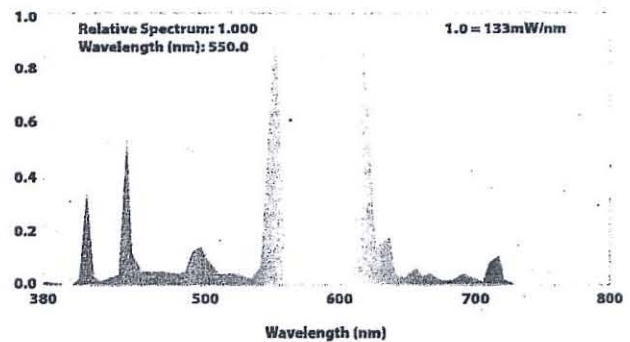
LUMEN DEPRECIATION



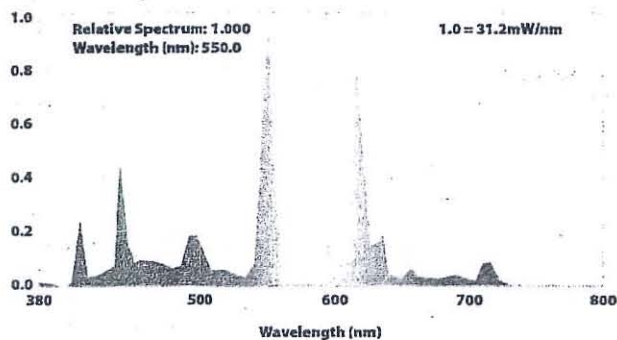
800 Series CRI – 3000° K



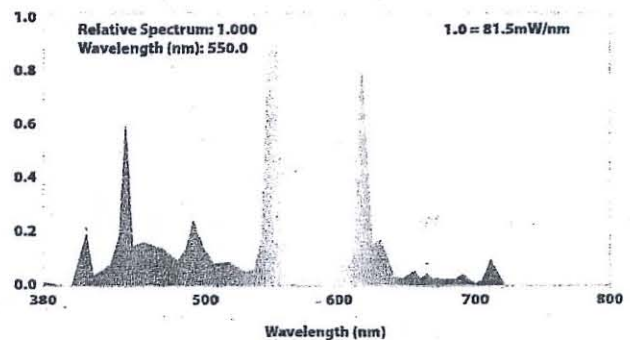
800 Series CRI – 3500° K



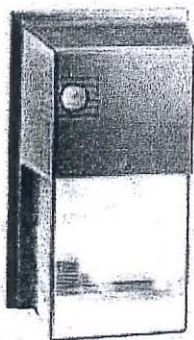
800 Series CRI – 4100° K



800 Series CRI – 5000° K



Wattage Range:
HPS 35 - 70W
CFL 13 - 32W



Lamp Included

Economical and cost-effective to own and operate, the WSS Series Wallpacks are designed for both residential and commercial applications with mounting heights of 12' and below.

13W & 2-13W: 32°F
Temperature Rated*

18 - 32W Quad: 20°F
Temperature Rated*

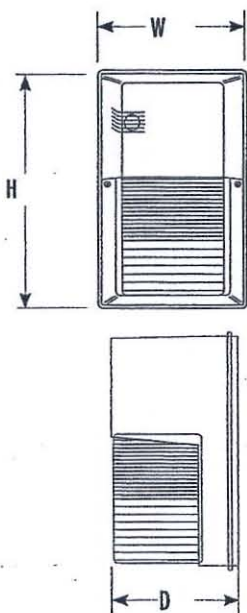
(*minimum starting temperatures)



Listed for Wet Locations
Consult Factory for CUL Availability

Dimensions

	Fixture Height	Fixture Width	Fixture Depth	Approx. Ship Wt.
WSS Series	11"	6.9"	5.25"	5 lbs.



Features

Housing

The compact WSS luminaire is weatherproof and rated for outdoor use. Features a cast aluminum base plate and a polycarbonate injection molded refractor. Housing is available in either bronze or white. Access to all internal components requires the removal of only two screws. Tamperproof screws are available.

Ballast / Lamp

The high-pressure sodium version of the WSS fixture is available in 35 - 70 watt utilizing a 120V NPF ballast and a medium based lamp. The 13 watt twin tube compact fluorescent design comes standard with a bi-pin lamp and a 120V NPF ballast, while the 18 - 32 watt version is supplied with a 4-pin lamp and a 120 or 277V electronic ballast.

Mounting Options

The WSS Series can be surface mounted directly over a 4" recessed outlet box. Convenient conduit access on fixture base allows for easy surface mounting. Optional internal photocell is available. Recommended mounting height is 12' and below.

HPS-70 Watt/Clear

Mounting Height: 10'

Number of Fixtures: 2

Lamp Lumens: 6,300

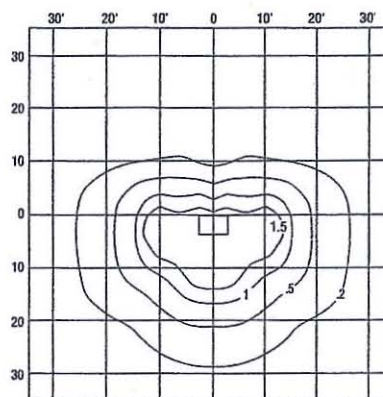
The WSS Series photometric data is based on a 70 watt clear HPS lamp rated at 6,300 lamp lumens. Footcandle values for other wattages are obtained by multiplying the chart values by the following factors:

Lamp/Wattage	Factor
70W HPS	1
50W HPS	.64
35W HPS	.36

Photometric Data

(Isofootcandle Plots)

11" WSS



70W HPS Wallpack at 10' mounting height.

Mounting Position	Wattage Lamp	Catalog Number
Wall	35W HPS	WSS0503-1*(b)
	50W HPS	WSS0505-1*(b)
	70W HPS	WSS0507-1*(b)
	13W CFL	WSS0313-1*(b)
	18W CFL	WSS0318-U*(b)
	26W CFL	WSS0326-U*(b)
	32W CFL	WSS0332-U*(b)
	(2) 13W CFL	WSS0323-1*(b)

*See Voltage below

Voltage	Options (b) (Factory Installed)	Accessories: (Field Installed)
1 = 120V NPF only U = 120-277 CFL	B = Button Photocell WT = White Housing	WSS-TS = Tamperproof Screws WSS-TSD = Tamperproof Screwdriver & Screws

LED MR16

3000K & 6000K • 38° & 60° beam angle



- **Energy Efficient**

Costs less than other alternatives to operate over the life of the lamp

- **Extreme Long Life**

Less frequent re-lamping reduces maintenance costs

- **Environmentally Friendly**

No mercury or other hazardous substances reduces environmental impact

- **Heavy Duty Construction**

Shock and vibration resistant design increases lamp survivability

- **Low IR/UV Emission**

Will not cause fading over time from exposure to IR or UV light



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www.eiko.com

LED MR16 Lamps
 3000K & 6000K * 38° & 60° Beam Angle

Ordering Code	Base	Volts	Watts	MOL in/mm	MOD in/mm	Emitted Color	CRI	Lumens	Life Hours	Beam Angle
LEDP/MR16-FL-60K	G5.3	12VAC/DC	5	1.95/50	50mm	cool white	70	180	50,000	60
LEDP/MR16-FL-30K	G5.3	12VAC/DC	5	1.95/50	50mm	warm white	70	160	50,000	60
LEDP/MR16-SP-30K	G5.3	12VAC/DC	5	1.95/50	50mm	warm white	70	160	50,000	38
LEDP/MR16-SP-60K	G5.3	12VAC/DC	5	1.95/50	50mm	cool white	70	180	50,000	38

NOTES: