

OIL FIRED HYDRONIC BOILER



The Great
AMERICAN
Heating Team

HIGH ENERGY EFFICIENCY LOW OPERATING COST

THICK INSULATION FOR HEAT RETENTION

The entire boiler is fitted with heavy "Silicite" insulation to minimize boiler heat loss and maximize your fuel savings.

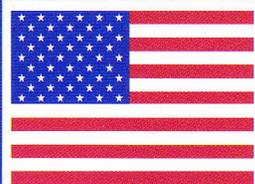
OFFSET STEEL FIRE TUBES

For Ultra-efficient fire travel and faster heat transfer.

MATCHED COMBUSTION CHAMBER

Specifically designed to work with our flame-retention burner. This pre-formed refractory combustion chamber ensures uniform heat diffusion to prevent heat loss; save fuel dollars. Readily accessible for economical servicing.

**3 YEAR FULL WARRANTY
LIMITED LIFETIME
STEEL BOILER SHELL**



STILL MADE WITH PRIDE IN AMERICA

In an era when more and more home heating units or their components are made by foreign manufacturers, EFM's PK Series boilers are still made with American quality and pride. Just as EFM products have been for over 85 years.

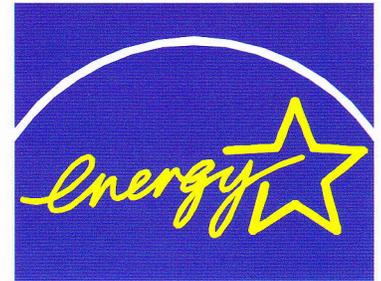
e·f·m Sales Company

e·f·mThe Finest in
**AUTOMATIC
HEAT**

HEATING TECHNOLOGY YOU CAN TRUST!

FOR OVER 85 YEARS, the EFM company has been designing and manufacturing boilers and furnaces for heating America's homes. These heating units have become legendary for their efficiency and durability. Indeed, many are still operating faultlessly after continuous use for over 50 years.

But durability is only one facet of your EFM investment. Each boiler is also engineered for fast, simple access to all components, which will require regular cleaning and service throughout the long life of your EFM. During its decades of service, the advanced design of your EFM will save maintenance dollars as well as fuel dollars.

**ENERGY STAR**

**3 YEAR FULL WARRANTY
LIMITED LIFETIME
STEEL BOILER SHELL**

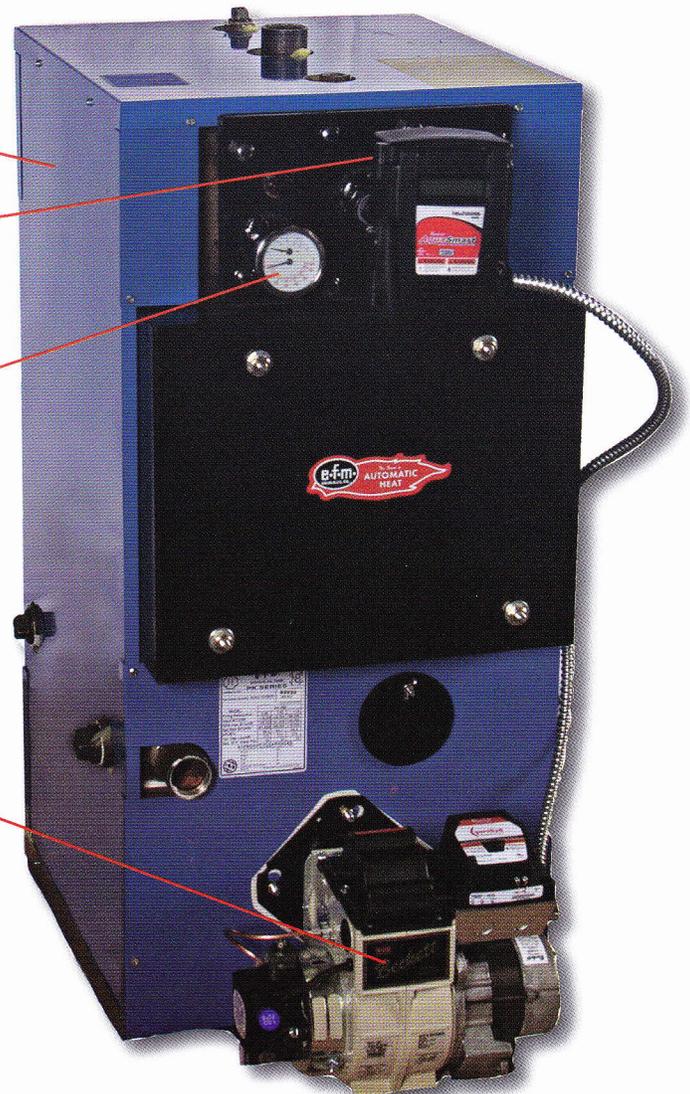
OUTSIDE:

The steel jacket is perfectly fitted and handsomely clad in EFM's trademark blue enamel.

Beckett electric components, recognized as the finest in the heating industry, are the standard with every EFM boiler.

Easy-to-read theraltimeter gives precise reading on boiler performance.

The heart of each unit is the Beckett flame-retention oil burner because they have proven themselves to be consistent with our quality standards of efficiency and reliability. The flame-retention design focuses the flame for more heat from less fuel.



SUPERIOR PERFORMANCE IN LABORATORY AND IN YOUR HOME

Under EFM's unique manufacturing system, each boiler is assembled by an experienced team of EFM craftsmen at our factory in Pennsylvania. Each EFM boiler undergoes two batteries of tests before it is put into service. First, at our factory, every unit must pass 46 tests and inspections before it is

shipped to the EFM-authorized installer. Upon installation, it must pass another series of on-site tests to ensure optimum service in your home.

Because of these production controls and testing methods, we have a great deal of confidence in every boiler that bears the EFM nameplate. The warranty that comes with every EFM boiler is a reflection of the confidence in our work

and our product.

From all standpoints, EFM boilers are designed to be the most durable, serviceable and fuel-efficient hydronic heating units in their class. Knowledgeable heating professionals recognize how thoroughly these goals have been achieved and the wisdom of our company motto:

"Quality doesn't cost...it pays"

INSIDE:

■ **"Trombone" design copper hot water coil**, an EFM-designed exclusive, delivers domestic hot water at the abundant rate of 5 gallons per minute (SPK, PK models) and 7 gallons per minute (K models).

■ **Turbo-Ram turbulators** in the upper pass of the boiler tubes force more heat against tube walls for unsurpassed heat-transfer efficiency. These turbulators were designed by EFM and are found exclusively in our boilers.

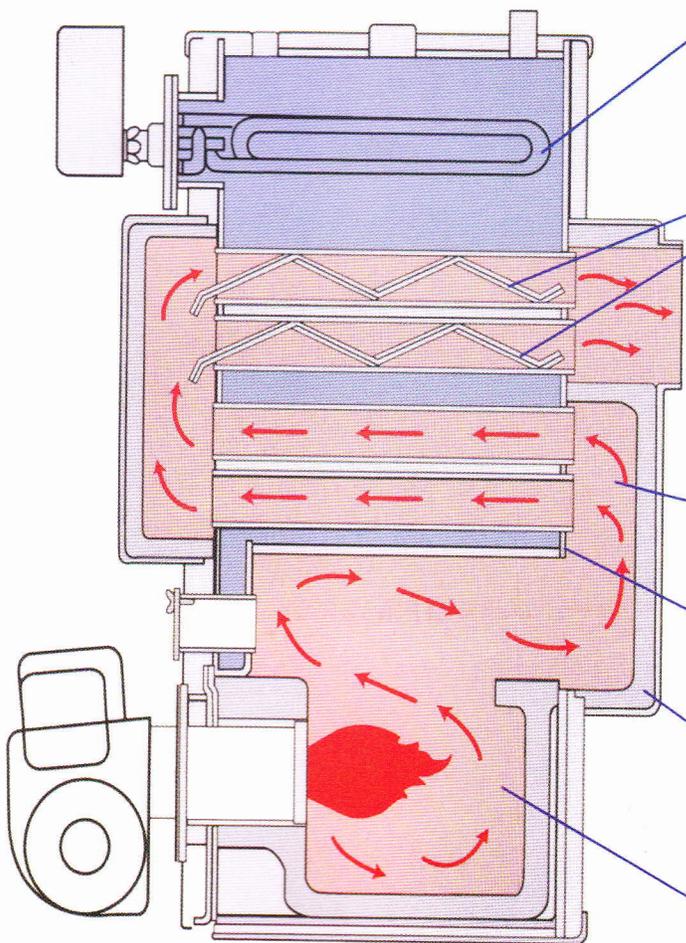


■ **Multiple-Pass serpentine** design puts more heating power in contact with water providing faster, less expensive heating.

■ **Boiler shell** is constructed of heavy 1/4" American steel, for longer life, and welded by our own craftsmen.

■ **U-Turn heads** are molded with ceraform to provide excellent insulating and interior heat-retention qualities.

■ **Combustion chamber** is EFM design and molded with ceraform for superb heat flow and heat retention.



Hydronic Oil-Fired Boiler

DIMENSIONS and SPECIFICATIONS

SPECIFICATIONS

MODEL	PK400T			PK450T			SPK600		PK750T	K950T	K1200T
INPUT BTUH	103,500	89,700	69,000	152,000	138,000	117,400	186,000	172,000	186,000	242,000	304,000
HEATING CAPACITY BTUH	91,000	79,000	61,000	134,000	122,000	104,000	163,000	150,000	161,000	210,000	252,000
NET OUTPUT BTUH	79,000	69,000	53,000	117,000	106,000	90,000	142,000	131,000	140,000	182,000	219,000
NET OUTPUT - SQ. FT.	522	453	348	780	707	600	945	870	930	1220	1460
DRAFT LOSS THROUGH BOILER	.03	.02	.01	.03	.025	.02	.025	.02	.01	.02	.025
BURNER	AFG76XN	—	—	AFG76XN	—	—	AFG76YB	—	AFG76YB	AFG67XO	AFG76XP
NOZZLE - SIZE G.P.H.	.75	.65	.50	1.10	1.0	.85	1.35	1.25	1.35	1.75	2.25
AFUE SEASONAL EFFICIENCY	84.5	84.7	85.1	84.4	84.7	86.2	85.4	85.6	82.2	82.6	82.6
TANKLESS COIL G.P.M	5			5			5		5	7	7
SUPPLY CONNECTION	1-1/4			1-1/4			1-1/2		2	2	2
RETURN CONNECTION	(2) 1-1/4			(2) 1-1/4			(2) 1-1/4		(1) 1-1/4	(2) 1-1/2	(2) 1-1/2
SMOKE OUTLET - DIA	6			6			6		7	8	8
WATER CAPACITY - GALS.	13			20			22		24	37	36
RECOMMENDED CHIMNEY SIZE	8x8x15			8x8x15			8x8x15		8x8x15	8x8x15	8x8x20
SHIPPING WEIGHT	396			475			575		640	800	800

DIMENSIONS

MODEL	PK400T	PK450T	SPK600	PK750T	K950T	K1200T
H - HEIGHT	37	38-3/4	40-1/4	40-1/4	40-1/4	40-1/4
W - WIDTH	15-7/16	18-7/16	21-7/16	23-1/4	23-1/4	23-1/4
D - DEPTH	22-11/16	24-15/16	25-7/16	29	41	41
E - EXTENSION	29-7/16	31-11/16	32-3/16	37-1/2	49-1/2	49-1/2
BARE BOILER						
A - HEIGHT	36-3/4	38-1/2	40	39-3/4	39-3/4	39-3/4
B - WIDTH	14	17	20	23	23	23
C - DEPTH	16-1/4	18-1/2	18-1/2	29	41	41

STANDARD EQUIPMENT

"PK" Models -- Packaged boiler-burner units completely wired, ready for final installation, with flush jacket, domestic hot water coil, circulator, relief valve, theraltimeter, drain cock, draft regulator and Beckett Aquasmart control.

"K" Models -- Not factory assembled or wired, boiler, burner, flush jacket, domestic hot water coil, relief valve, theraltimeter and Beckett Aquasmart control.

Available as knock down units.

All-American Quality For Over 85 Years.



e•f•m Sales Company

155 Rt. 61 South • Schuylkill Haven, PA 17972
570.385.1892

www.efmheating.com

Authorized Distributor