

Since 1949
Slant/Fin
BASEBOARD

Multi/Pak[®] 88

High Capacity Hot Water Baseboard



Made with Commercial Grade
RUST-RESISTANT
Galvanized Steel!



Multi/Pak® 88

Six interchangeable heating elements in one low profile enclosure for any residential or light commercial job.

The Ultimate in Flexibility and Design

Multi/Pak® 88 is a heavy-duty baseboard heating product that provides specifying engineers and contractors a choice of six interchangeable high output heating elements in one low profile enclosure. This allows for more design flexibility than any competitor's baseboard. The low profile design makes it ideal where space is at a premium, while the extra-high heat outputs of all six elements meet nearly every heating requirement.

One of the most rugged baseboards available for any residential or light commercial installation, its galvanized steel enclosure and heavy-duty support brackets make Multi/Pak 88 ideal for heavy traffic areas such as offices, apartments and building corridors as well as any home. Furnished in a white baked enamel finish that blends with any decor, Multi/Pak 88 also features a fully modulating damper for individual room control and its "easy glide" expansion cradles assure noise free operation. For high-capacity baseboard heating at a competitive price, specify Multi/Pak 88.

Snap-On Dampers

Finger-touch snap-on damper can be opened and closed without the use of hinges which can bind or loosen with age.

Heavy-Duty Front Panel

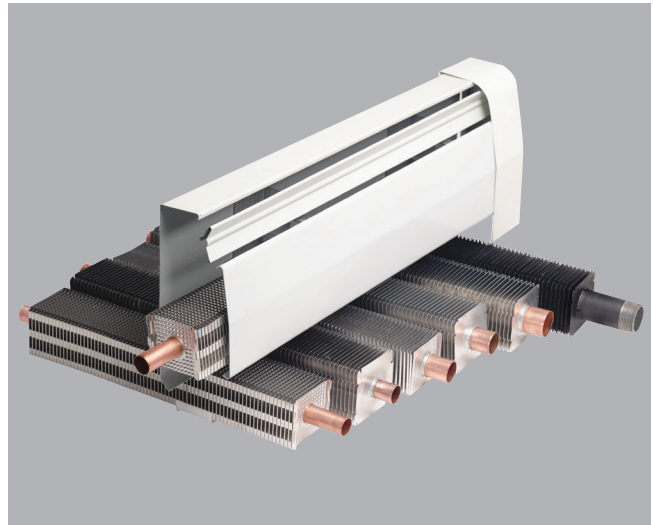
With a rugged 18-gauge galvanized steel enclosure, there's none heavier in the industry. This sturdy enclosure resists dents and always looks new, year after year.

Easy Installation

All copper/aluminum heating elements have an expanded end for easy sweat connections without couplings. The 1-1/4" IPS steel element is threaded at both ends.

Rugged Support Brackets

Multi/Pak 88 is constructed with strong, heavy gauge support brackets which will stand up to years of wear and tear without bending or tattering in any way.



Tube Support System

Multi/Pak 88's unique tube support design allows for fast and easy installation of a return line.

Six Interchangeable Elements

With a choice of six interchangeable elements, each with a different output and capacity, our Multi/Pak 88 is ideal for virtually any type of installation.

Copper/Aluminum Elements:

H1 (3/4" with 3-1/4" x 3-1/4" fins)

H3 (3/4" with 2-1/2" x 2-3/4" fins)

H4 (1" with 2-1/2" x 2-3/4" fins)

H2 (1" with 3-1/4" x 3-1/4" fins)

H5 (1-1/4" with 3-1/4" x 3-1/4" fins)

IPS Steel Elements:

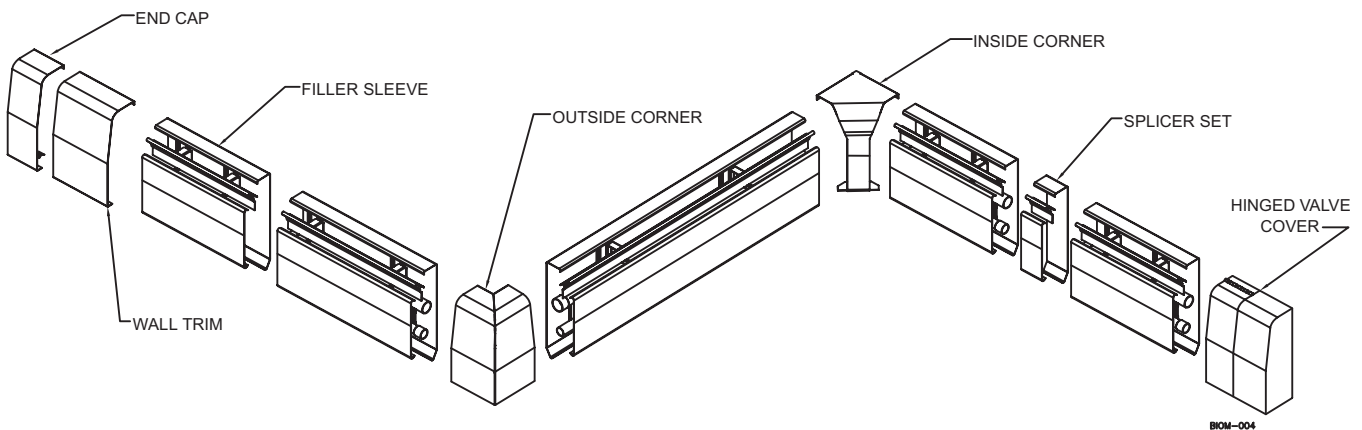
H6 (1-1/4" with 3-1/4" x 3-1/4" fins)

Expansion Cradles

Easy glide polypropylene expansion cradles are attached to the fins on all six elements over the support brackets, which eliminate noisy metal to metal contact between the brackets and the enclosure. This guarantees smooth, quiet operation for years to come.

Accessories

	<p>End Cap 3" wide left and right, for use at doorways and wherever a finished end is needed. 3" wide slotted left and right, for through-the-wall connections.</p>		
 <p>9" Valve Enclosure Left or right hand. Ultra wide 6" hinged door for easy access to valve or vent.</p>	 <p>9" Valve Enclosure (slotted) Left or right hand, slotted for through-the-wall connections. Ultra wide 6" hinged door for easy access to valve or vent.</p>	 <p>Inside Corner 90° and 135°/45°. One piece snap-on for easy installation. Fills up to a 2-1/2" gap on each wall.</p>	<p>Outside Corner 90° and 135°/45°. Use to trim corners at projecting wall. Fills up to a 1" gap on each wall.</p>
	<p>14" Filler Sleeve Consists of three pieces (front panel, back plate, damper). Designed to be mounted over the baseboard, similar to all other accessories. Fills gaps between two baseboard enclosures up to 12-1/2".</p>	 <p>Wall Trim 5" and 9". Conceals connecting piping.</p>	



Specifications

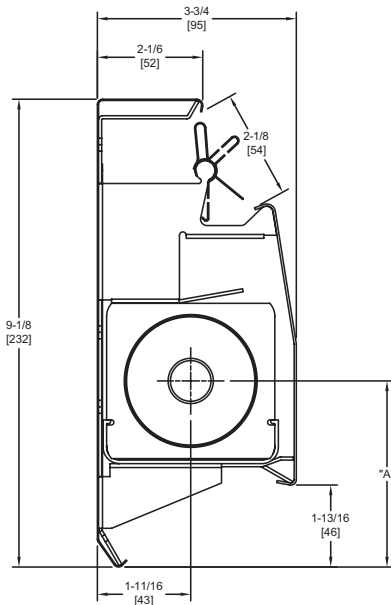
Ratings

Element Type	Tube Size & Material	Fin Size & Material	Water Flow (GPM)	Average Hot Water Temperature - BTU/Hr./Lin./Ft.									
				120°F	130°F	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F
H1	3/4" Copper	3-1/4" x 3-1/4" x .018 aluminum	4	316	401	486	547	644	770	870	970	1070	1160
			1	299	380	460	518	610	730	820	920	1010	1100
H3	3/4" Copper	2-1/2" x 2-3/4" x .011 aluminum	4	269	342	414	466	549	640	740	820	910	990
			1	255	323	392	441	519	610	700	780	860	940
H4	1" Copper	2-1/2" x 2-3/4" x .011 aluminum	4	267	338	410	461	543	640	730	810	900	980
			1	252	320	388	437	514	610	690	770	850	930
H2	1" Copper	3-1/4" x 3-1/4" x .018 aluminum	4	307	389	472	531	625	740	840	930	1040	1130
			1	290	368	446	502	591	700	790	880	980	1070
H5	1-1/4" Copper	3-1/4" x 3-1/4" x .018 aluminum	4	295	375	454	511	602	710	800	900	990	1090
			1	306	388	470	529	623	670	760	850	940	1030
H6	1-1/4" IPS Steel	3-1/4" x 3-1/4" x .026 electro-gal. steel	4	252	320	388	437	514	610	690	770	850	930
			1	239	304	368	414	488	580	650	730	800	880

NOTE: All the above ratings are based on active length, which is 4" less than total length, and includes a 15% addition for heating effect.

The use of these ratings at 2000 lb/hr is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 2000 lb/hr. Where the flow rate through the baseboard is not known; the rating at 500 lb/hr. must be used.

Dimensional Data



"A" DIMENSIONS

Dimension	H1	H3	H4	H2	H5	H6
"A"	3-5/8"	3-1/2"	3-1/2"	3-5/8"	3-5/8"	3-5/8"

H1 Element

3/4" Nominal Copper Tubing with 3-1/4" x 3-1/4" x .018" thick aluminum fins (natural finish) x 51 fins per ft. Pressure Drop (in ft. of head per 100 ft. - ft./100 ft.) @ 1 GPM = 0.32 ft./100 ft. and @ 4 GPM = 4.16 ft./100 ft. Bursting Pressure 1412 psi.; Operating Pressure 283 psi.

H3 Element

3/4" Nominal Copper Tubing with 2-1/2" x 2-3/4" x .010" thick aluminum fins (natural finish) x 58 fins per ft. Pressure Drop (in ft. of head per 100 ft. - ft./100 ft.) @ 1 GPM = 0.32 ft./100 ft. and @ 4 GPM = 4.16 ft./100 ft. Bursting Pressure 1412 psi.; Operating Pressure 283 psi.

H4 Element

1" Nominal Copper Tubing with 2-1/2" x 2-3/4" x .011" thick aluminum fins (natural finish) x 58 fins per ft. Pressure Drop (in ft. of head per 100 ft. - ft./100 ft.) @ 1 GPM = 0.09 ft./100 ft. and @ 4 GPM = 1.13 ft./100 ft. Bursting Pressure 1082 psi.; Operating Pressure 216 psi.

H2 Element

1" Nominal Copper Tubing with 3-1/4" x 3-1/4" x .018" thick aluminum fins (natural finish) x 51 fins per ft. Pressure Drop (in ft. of head per 100 ft. - ft./100 ft.) @ 1 GPM = 0.09 ft./100 ft. and @ 4 GPM = 1.13 ft./100 ft. Bursting Pressure 1082 psi.; Operating Pressure 216 psi.

H5 Element

1-1/4" Nominal Copper Tubing with 3-1/4" x 3-1/4" x .018" thick aluminum fins (natural finish) x 51.5 fins per ft. Pressure Drop (in ft. of head per 100 ft. - ft./100 ft.) @ 1 GPM = 0.03 ft./100 ft. and @ 4 GPM = 0.41 ft./100 ft. Bursting Pressure 1556 psi.; Operating Pressure 311 psi.

H6 Element

1-1/4" IPS Steel Pipe with 3-1/4" x 3-1/4" x .026" thick steel fins (painted finish) x 48 fins per ft. Pressure Drop @ 4 GPM = 0.35 ft./100 ft. Both ends threaded. Bursting Pressure 7590 psi.; Operating Pressure 1000 psi.