

MODEL HB
HYDRONIC
BASEBOARD
RADIATION

HydroTherm®

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Model HB baseboard panels...

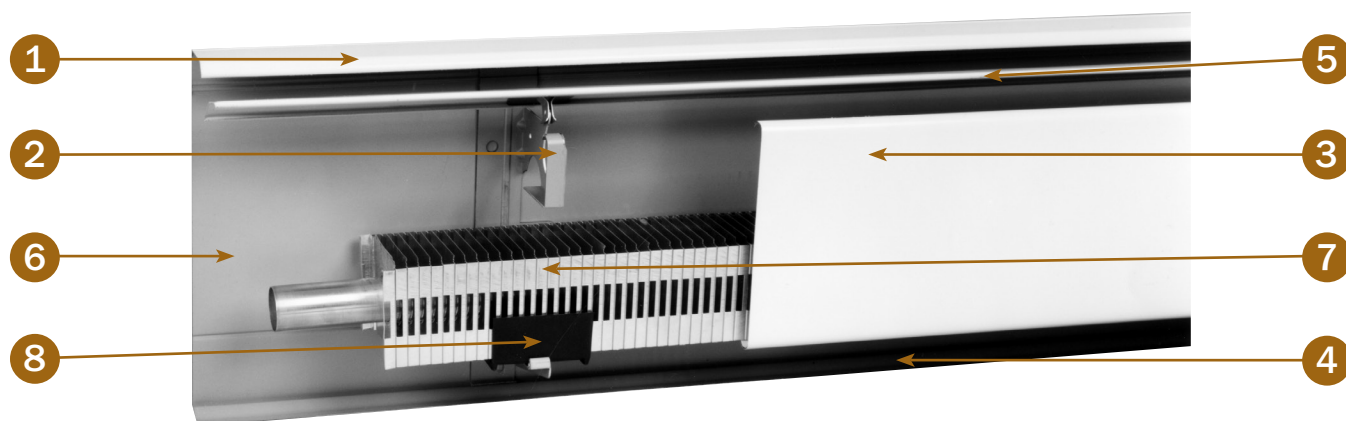
stylish modern comfort that's easy to install

Symmetrically styled for modern, low-silhouette appearance... designed for fast, low-cost installation... and engineered for peak hydronic performance... that's Model HB Hydrotherm, a residential baseboard.

Compact Model HB Hydrotherm stands only 7-3/8" high and extends only 2-11/16" into the room when set flush against the wall, and even less when recessed to plaster depth. Homeowners like the simple, uncluttered look of Model HB Hydrotherm panels... and the decorating freedom provided by the white semi-gloss prime coat, which may be left as is or repainted later (with any good quality alkyd base paint) to match room decor.

Installers like the convenience of working with this baseboard. The back panel stands unaided against the wall so that all back panels, filler and joining pieces can be positioned and fastened to the wall by one person. Brackets, dampers, front panels and accessories snap right on. No tools needed. No time wasted. Two high-capacity heating elements are available for installation flexibility. And Model HB Hydrotherm is packaged completely assembled, in 2' through 8' lengths.

No matter what the requirements, Model HB Hydrotherm does the job with efficiency, economy and style.



- 1 - **ENCLOSURE TOP AND BACK PANEL** - is of one-piece steel construction for strength and durability. Smooth surface won't collect dust and lint. Lower portion is extended 3/4" out from wall to cover any openings between wall and finished flooring and to let panel stand unaided while being fastened to wall.
- 2 - **SNAP-IN BRACKETS** - are die-formed of one-piece heavy gauge galvanized steel to support front panel and element where required; can be located at any point along back panel.
- 3 - **ENCLOSURE FRONT PANEL** - is of flat, dent-resisting steel; firmly snaps onto brackets either way (there is no top or bottom edge) and is easily removed for cleaning when necessary.
- 4 - **AIR INTAKE SPACE** - allows unrestricted circulation of air for maximum heating efficiency and permits easy cleaning underneath element.

- 5 - **PIVOT-MOUNTED DAMPER** - allows positive fingertip control for easy opening and closing from any point along its length; can be set in any position to regulate heat flow.
- 6 - **ENCLOSURE INTERIOR** - gray prime coat provides background so that brackets and element blend in.
- 7 - **HEATING ELEMENTS** - two high-output elements are available, each with heat-reflecting interlocked aluminum fins (vented for maximum performance) bonded to seamless copper tubing for quick response, high I=B=R approved ratings.
- 8 - **SILENT SLIDE SHOE** - Made of heat resistant nylon material which provides sound insulation and allows smooth element expansion motion.

Ratings

AVERAGE HOT WATER TEMPERATURE - BTU/HR/LIN. FT

Model	GPM	120°F	130°F	140°F	150°F	160°F	170°F	180°F
HB-750-3/4"	4	215	270	330	390	450	530	590
	1	205	255	310	370	430	500	560
HB-500-1/2"	4	226	283	340	410	480	550	610
	1	215	270	330	390	450	520	580

Water ratings shown for Hydrotherm Panels (with Model E-500 element) are based on a water flow of 500 pounds per hour with a pressure drop of 0.260 inches of water per lineal foot and a water flow rate of 2000 pounds per hour with a pressure drop of 2.900 inches of water per lineal foot. 15% is added to water heat capacity.

Water flow rates of 2000 pounds per hour are limited to installation where the water flow rate through the baseboard unit is equal to or greater than 2000 pounds per hour. Where the water flow rate through the baseboard is not known, standard water flow of 500 pounds per hour must be used.

Water ratings shown for Hydrotherm Panels (with Model E-750 element) are based on a water flow of 500 pounds per hour with a pressure drop of 0.047 inches of water per lineal foot and a water flow of 2000 pounds per hour with a pressure drop of 0.530 inches of water per lineal foot. 15% is added to water heat capacity.

These ratings are based on active (finned) lengths. Difference between active length and total length of the standard heating elements is 4-3/4 inches. Elements are unpainted.

Non-ferrous fins on elements measure 2-1/8 x 2-1/8 x 0.008 inches, spaced:
HB-500, 50.5-52 fins per foot
HB 750, 49.9-52 fins per foot



END CAP

A one-piece accessory, 3 inches wide; slips in over top of back panel and snaps firmly to bottom of front panel; adjustable end provides clearance for piping connections.



OUTSIDE CORNERS

Two outside corners are available: a 90° corner, and a 135° corner for use under bay windows.



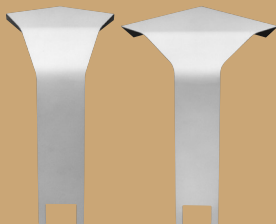
VALVE ENCLOSURE

A one-piece accessory, available in 4" width; slides behind enclosure back panel and snaps securely into place at bottom of enclosure front panel; telescopes for adjustable end clearance.



JOINER OR FILLER PIECE SETS

Consists of front piece, back piece, and damper piece; available in 2", 7" and 14" widths.



INSIDE CORNERS

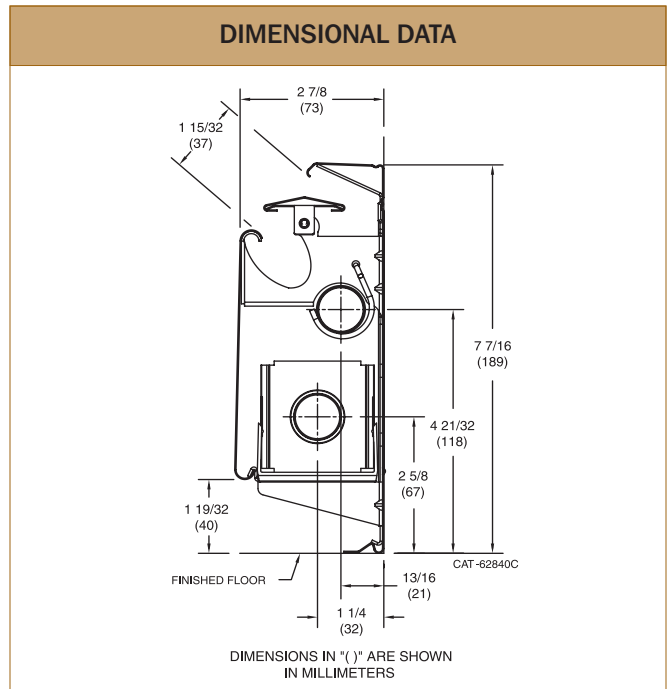
Two inside corners are available: a 90° corner, and a 135° plain corner for use under bay windows.



3" WALL END PIECE

A one-piece accessory that can be used on either end of an enclosure panel; hooks in over top of back panel and snaps firmly to bottom of front panel; extends to floor surface.

ENCLOSURE & ELEMENT COMPLETE ASSEMBLED SINGLE PACK	ELEMENT SIZE	CATALOG NUMBER
MODEL HB-750-A Contains one length each of front and back panel, damper, support brackets, slide cradles, and 3/4" heating element. Joining piece sets included with lengths of 5', 6' and 8'.	3/4"	HB-750-A8 HB-750-A7 HB-750-A6 HB-750-A5 HB-750-A4 HB-750-A3 HB-750-A2
MODEL HB-500-A Contains one length each of front and back panel, damper, support brackets, slide cradles, and 1/2" heating element. Joining piece sets included with lengths of 5', 6' and 8'.	1/2"	HB-500-A8 HB-500-A7 HB-500-A6 HB-500-A5 HB-500-A4 HB-500-A3 HB-500-A2



ENCLOSURE ONLY ASSEMBLED SINGLE PACK	CATALOG NUMBER
MODEL HB ENCLOSURE Contains 1 each of front and back panel, damper, and support brackets. Joining piece sets included with lengths of 5', 6' and 8'.	HB-8-A HB-7-A HB-6-A HB-5-A HB-4-A HB-3-A HB-2-A

ELEMENT ONLY FOUR PACK	ELEMENT SIZE	CATALOG NUMBER
E-750 (3/4" tube) Individually boxed and strapped into a bundle of four equal lengths with cradles.	3/4"	E-750-8 E-750-7 E-750-6 E-750-5 E-750-4 E-750-3 E-750-2
E-500 (1/2" tube) Individually boxed and strapped into a bundle of four equal lengths with cradles.	1/2"	E-500-8 E-500-7 E-500-6 E-500-5 E-500-4 E-500-3 E-500-2

ACCESSORY	CATALOG NUMBER
3" End Cap, Right Hand	HA-ECR-03
3" End Cap, Left Hand	HA-ECL-03
4" Hinged Valve Enclosure, Right Hand	HA-VER-04
4" Hinged Valve Enclosure, Left Hand	HA-VEL-04
90° Hinged Inside Corner	HB-ICF-90
90° Inside Corner Back Piece	HA-ICB-90
135° Inside Corner	HB-ICF-45
135° Inside Corner Back Piece	HA-ICB-45

ACCESSORY	CATALOG NUMBER
90° Outside Corner	HA-OCF-90
135° Outside Corner	HA-OCF-45
3" Wall End Piece	HB-WEP-03
2" Joining Piece Set (3 pieces)	HB-JPS-02
7" Filler Piece Set (3 pieces)	HB-FPS-07
14" Filler Piece Set (3 pieces)	HB-FPS-14
Supp. Brckt., Slide Cradle & Damper Clip	HB-SBP-20
Supply Tubing Support Hanger	HB-WHS-50
Return Tubing Support Hanger	HB-WHR-50
Touch-Up Spray Paint	HT-TUP
Slide Cradle	HA-SLS
Damper Clip	HB-SBP-20