



Residential Baseboard Heating Systems

HAYDON[®]...A COMPANY YOU CAN COUNT ON

Haydon Corporation, now in its fifth decade of growth, is one of the east coast's leading Roll Forming and Metal Fabricating companies producing numerous tube and roll-formed products to be found in a wide variety of consumer and commercial products.

Facilities consist of over 80,000 square feet of manufacturing space containing state-of-the-art equipment, plus a design and development engineering division ensuring that Haydon products live up to the enviable reputation they have established in the industry.

This reputation for quality and service is personified in Haydon's Hydronic Baseboard Heating Division...

All Products are Made In The USA!

The Haydon Hydronic Baseboard Division



Haydon's Hydronic Baseboard Systems with Silent Glide[™] have rapidly become the first choice of consumers and contractors alike. Meticulously manufactured and assembled to exacting specifications using specially designed custom built equipment, the Haydon hot water baseboard product line offers BTU ratings to suit all conditions – from residential, hot water fed, to large demand commercial steam-fed systems.

All Haydon baseboard heating systems are IBR rated – the industry standard – and are manufactured to provide many years of trouble-free, safe, silent, and economical heat distribution.

Haydon's Hot Water Baseboard is found wherever good looks, ease of installation, and superior heating capability are paramount.

Enduring Comfort and Livability... Hallmarks of Haydon Systems

Day-in, day out reliability, the kind that allows homeowners the freedom to forget about their heating system and simply enjoy "all the comforts of home" - without messy maintenance, irritating temperature fluctuations, aggravating noises and unwarranted costs – these are the reasons to choose Haydon hydronic heating systems.

By virtually every standard of comparison, hot water baseboard is the superior heating system. And Haydon is the superior manufacturer.

Precision manufactured components are incorporated into Haydon's advanced design hydronic heating units – Heat Base 750, HI Output 958, Supr-heat 1000 and Slope-Top 1200 – providing the ultimate performance in...

COMFORT. Hot water baseboard systems generate naturally convected heat that rises gently, warming walls and blocking drafts, providing uniform heat throughout a home's entire perimeter. By contrast, hot air ducted heat operates with surges of hot air that are warmer at the ceiling, cooler at floor level. Blown air stirs up dust, aggravates allergies, creates drafts.

SILENCE. Hot water baseboards operate smoothly, silently. With hot air, you constantly hear and feel "fan on, heat on, draft, fan off, heat off."

EFFICIENCY AND VERSATILITY. Rooms with different temperature requirements are no problem with easily zoned, energy saving, thermostatically controlled hot water heat. Conversely, hot air ducted heat is difficult to zone, more expensive to install, easily unbalanced and needs adjusting every spring and fall when air conditioning is part of the system.

CONVENIENCE AND ECONOMY. A hot water system can supply unlimited hot water for showers, bath, laundry and kitchen, with higher boiler operating efficiency, virtual elimination of separate water heater costs... and it's maintenance free.

FLEXIBILITY. Hot water heating gives you more options to expand the system – for swimming pools, hot tubs and whirlpools, driveway/walkway snow and ice melting – all are ways to increase the enjoyment and value of a home.

Few things are as sacred to Americans as the comfort and value of their homes. By scientific comparison, hot water baseboard is the Number One way to conduct heat. And Haydon is the quality hydronic baseboard system to choose.

ENCLOSURE TOP-BACK PANEL: Fabricated from one piece of sturdy pre-painted cold rolled steel designed for efficient air flow, with uniform surfaces and no dustcollecting cutouts.

FINGER TIP POSITIONAL DAMPER: Special hinging mechanism allows for finger-tip control... closes shut to keep out dust or opens wide for maximum heat output. Damper deflects air into room, for better heating distribution.

HIGH STRENGTH BRACKETS: Die-formed from one piece of heavy gauge steel - designed to strengthen the enclosure and protect the heating element against damage - special notches hold the heating element to allow for quiet expansion... won't break or bend, cannot pop out of place. A turn of the wrist removes the twist slide brackets, for easy location during installation.

RETURN BRACKET OPTION: Wire hangers allow for easy installation of return pipe.

FRONT PANEL: Roll-formed from heavy gauge steel which resists damage during and after installation - pre-coated with a special rust-inhibiting white baked-on enamel paint. Looks new year after year. No heavier front available.

NOISELESS ELEMENT: Aluminum fins are mechanically fastened to copper tubing to insure maximum heat transfer. Elements have an expanded end for easy sweat connections without coupling.

"SILENT GLIDE" EXPANSION TRACKS: Two unique polyethylene silent glide tracks eliminate expansion and contraction noises.

7 1/4" T 1/4"

Heat-Base[™] 750

Residential

Slim and unobtrusive, the low profile Model 750's BTU output is ideal for efficient, economical residential installations.* Standard 22 gauge front cover and optional heavy duty 18 gauge front cover (Model 758).

*Available with $^{1\!\!/_2\!\!"}$ Copper





Table 1 — HEATING CAPACITIES, BTU PER HR PER LIN. FT. 65° ENTERING AIR TEMPERATURE I-B-R APPROVED

Model	Nom. Tube	Alum Dimer	. Fin Isions		Fin Spacing	Water Rate					A					TINGS PERAT		°F				
	Size	Н	W	ness	Fins/Ft.	GPM	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
HEAT-BASE	3⁄4"	2 ¹ ⁄8"	2 ¹ /2"	0.000	EAE	4	70*	110*	170*	230*	280*	340*	410	480	550	610	690	760	820	900	970	1,040
750-1B			0.008	54.5	1	70*	110*	160*	210*	270*	330*	390	450	520	580	650	720	780	850	920	980	

* Ratings at 140° F and lower temperatures determined by multiplying 150°F rating by the applicable factor specified in Table E in the I=B=R Testing and Rating Standard for Baseboard Radiation

All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

Ratings: Heating capacities are listed in Table 1 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings

2 9/16"

1 5/32

1 9/16"--

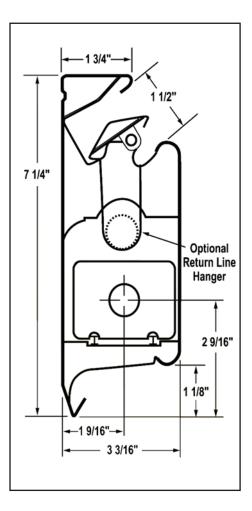
- 33/16" -

at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM. Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.



Table 2 — FACTORS FOR RATINGS AT FLOW OTHER THAN STANDARD AND PRESSURE DROP VALUES

Rate of Flow GPM	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
Factor	1.000	1.016	1.028	1.038	1.045	1.051	1.057	1.062	1.067	1.074
Pressure Drop ³ ⁄4" Tube Mill inches per ft.	47	96	157	230	320	420	525	650	775	1,060



Protector 758P

Moisture Resistant Residential

The Haydon Model 758P is constructed with heavy gauge G-90 zinc clad galvanized steel and pre-coated with a durable, impact and moisture resistant white polyester finish on all surfaces. Combined with our rugged 18 gauge front

cover, the PROTECTOR 758P is the ideal choice for high moisture and heavy traffic areas such as bathrooms, laundry rooms and entrance foyers, as well as homes in seashore and lake communities.

The Haydon Model 758P is engineered, designed and manufactured with the same quality and specifications as our popular 750 Heat-Base™



series to provide many years of trouble free, safe, silent and economical heat distribution. It comes packaged* complete with two end caps and our standard $\frac{3}{4}$ " heat element.

*Stocked in 3', 4', 5' and 6' lengths.

Table 1 — HEATING CAPACITIES, BTU PER HR PER LIN. FT. 65° ENTERING AIR TEMPERATURE I-B-R APPROVED

Model	Nom. Tube	Alum Dimer	. Fin Isions		Fin Spacing	Water Rate					A			WATE Ater				°F				
	Size	Н	W	ness	Fins/Ft.	GPM	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
Protector	3⁄4"	2 ¹ /8"	2 ¹ ⁄2"	0.000	EAE	4	70*	110*	170*	230*	280*	340*	410	480	550	610	690	760	820	900	970	1,040
758P	Copper	Natural	Finish	0.008	54.5	1	70*	110*	160*	210*	270*	330*	390	450	520	580	650	720	780	850	920	980

* Ratings at 140° F and lower temperatures determined by multiplying 150°F rating by the applicable factor specified in Table E in the I=B=R Testing and Rating Standard for Baseboard Radiation

All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

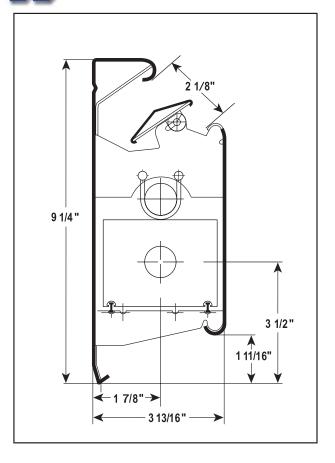
Ratings: Heating capacities are listed in Table 1 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM. Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.



Table 2 — FACTORS FOR RATINGS AT FLOW OTHER THAN STANDARD AND PRESSURE DROP VALUES

Rate of Flow GPM	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
Factor	1.000	1.016	1.028	1.038	1.045	1.051	1.057	1.062	1.067	1.074
Pressure Drop 3/4" Tube Mill inches per ft.	47	96	157	230	320	420	525	650	775	1060





Superior design combined with industry leading efficiency makes Haydon's Hi-Output 958 the best choice for both the specifying engineer and the heating contractor. Its durable construction with standard 18 gauge front cover makes the 958 ideal for demanding residential and commercial applications, and its reliability and quiet operation are a plus in every setting. Choose from 5 elements. Each uses our standard 18 gauge cover.

Hi-Output 958

Residential / Light Commercial for Hot Water or Steam

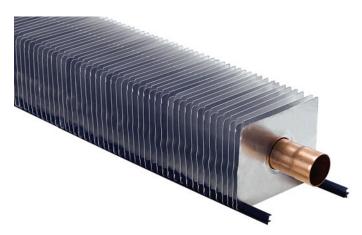


Element Model		teel Fin isions	Thickness	Fin Spacing Fins/Ft.
mouch	H	W		1113/11.
958-1A Lab Rated	21⁄8"	2 ¹ ⁄2"	0.008	55
Hi-Output 958-2	2 ¹ ⁄2"	3¼"	0.015	55
Hi-Output 958-3	2 ³ ⁄4"	3¼"	0.020	54
Hi-Output 958-4	3"	3 ¹ ⁄4"	0.026	48
Hi-Output 958-5	3"	3¼"	0.020	54

Note: All element models are natural finish.

Table 1 — FACTORS FOR RATINGS AT FLOW OTHER THAN STANDARD AND PRESSURE DROP VALUES

Rate of Flow GPM	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
Factor	1.000	1.016	1.028	1.038	1.045	1.051	1.057	1.062	1.067	1.074
Pressure Drop ¾" Tube Mill inches per ft.	47	96	157	230	320	420	525	650	775	1060



Hi-Output 958-2 (Standard Element)

Table 3 — HEATING CAPACITIES, BTU PER HR. PER LIN. FT.

Nom. Tube	Water Rate			A	verage		Vater Tempei	rature °	F		
Size	GPM	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
3/4"	4	590	700	790	900	1,000	1,110	1,200	1,310	1,420	1,510
CPR	1	560	660	750	850	950	1,050	1,140	1,240	1,340	1,430

All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

Ratings: Heating capacities are listed in Table 3 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM.

Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.





Hi-Output 958-4

Table 5 — HEATING CAPACITIES, BTU PER HR. PER LIN. FT.65° ENTERING AIR TEMPERATURE I-B-R APPROVED

Nom. Tube	Water Rate			P	lverage		Nater Tempe	rature °	'F		
Size	GPM	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
1¼"	4	440	520	590	670	730	800	880	950	1,030	1,040
IPS Steel	1	420	490	560	630	690	760	830	900	970	1,100

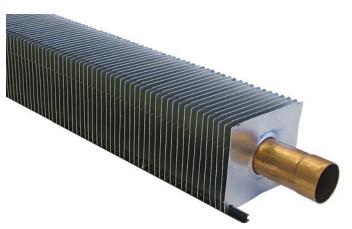
Painted Steel, Steam BTUH 890, Sq. Ft./Hr. 3.71

All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

Ratings: Heating capacities are listed in Table 3 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM.

Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.





Hi-Output 958-3

Table 4 — HEATING CAPACITIES, BTU PER HR. PER LIN. FT.

Nom. Tube	Water Rate			A	verage		Vater Tempe	rature °	F		
Size	GPM	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
1"	4	580	700	800	910	1,010	1,120	1,230	1,340	1,450	1,550
CPR	1	550	660	760	860	960	1,060	1,160	1,270	1,370	1,470

All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

Ratings: Heating capacities are listed in Table 4 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM.

Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.





Hi-Output 958-5

Table 6 — HEATING CAPACITIES, BTU PER HR. PER LIN. FT.65° ENTERING AIR TEMPERATURE I-B-R APPROVED

Nom. Tube	Water Rate			A	verage		Vater Tempei	rature °	F		
Size	GPM	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
1¼"	4	560	660	760	870	960	1,070	1,170	1,270	1,370	1,480
CPR	1	530	620	720	820	910	1,010	1,110	1,200	1,300	1,400

Alum. Natural Finish, Steam BTUH 1240, Sq. Ft./Hr. 5.17

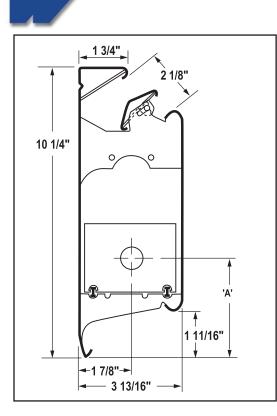
All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

Ratings: Heating capacities are listed in Table 5 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM.

Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.







Supr-Heat[®]1000

Commercial / Demanding Residential for Hot Water or Steam

The perfect alternative to bulky, commercial enclosures for demanding heat requirements. Especially suited to problem areas of high heat loss. 18 Gauge standard front covers.



Table 1 — HEATING CAPACITIES, BTU PER HR PER LIN. FT. 65° ENTERING AIR TEMPERATURE I-B-R APPROVED

	Nom.	-	Fin		Fin		Water				He	t Wate	r Ratin	ae			
SUPR-HEAT Model	Tube		ensions	Thickness		Dim. 'A'	Rate			A				ys <u>rature '</u>	°F		
WODEL	Size	H	W		Fins/Ft.	A	GPM	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°
	371	2 ¹ /2"	31/4"	0.015	55	35⁄8"	4	630	740	850	950	1,050	1,150	1,260	1,360	1,470	1,570
1000–1A	³ ⁄4" Copper	2/2	374	0.015	55	378	1	600	700	800	900	990	1,090	1,190	1,290	1,390	1,490
	ooppor	Alum.	Natural Fin	ish													
	4.1	2 ³ /4"	31/4"	0.000	E A	35⁄8"	4	610	720	840	950	1,060	1,170	1,280	1,400	1,500	1,620
1000–2A	1" CPR	Z %4	374	0.020	54	3%	1	580	680	790	900	1,000	1,110	1,210	1,320	1,420	1,530
1000–2A	UFN	Alum.	Natural Fin	ish													
	4170	3"	3 ¹ /4"	0.000	40	07/"	4	430	500	570	640	710	790	860	930	1,000	1,070
1000-S125A	1¼" IPS	3	374	0.026	48	37⁄8"	1	450	530	600	680	750	840	910	980	1,060	1,130
	IF O	Painte	d Steel, Ste	am BTU. 11	30 Sq. Ft./H	łr. 4.7											
	41.00	3"	3 ¹ /4"	0.000	E A	07/"	4	580	690	790	900	1,000	1,110	1,220	1,310	1,420	1,520
1000-3A	1¼" CPR	3	374	0.020	54	37⁄8"	1	550	650	750	850	950	1,050	1,150	1,240	1,340	1,440
	UPh	Alum.	Natural Fin	ish, Steam B ⁻	TU. 1300 S	Sq. Ft./Hr.	5.4										

All the above I-B-R Ratings are based on active length, which is 3" less than total length, and includes a 15% addition for heating effect.

Ratings: Heating capacities are listed in Table 1 for two flow rates: 1 GPM and 4 GPM. The use of I-B-R Ratings at 4 GPM is limited to installations where the water flow rate through the baseboard unit is equal to or greater than 4 GPM. Where the water flow rate through the baseboard is not known, the I-B-R Ratings at the standard flow rate of 1 GPM must be used.



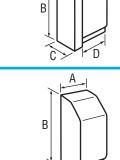
Table 2 — FACTORS FOR RATINGS AT FLOW OTHER THAN STANDARD AND PRESSURE DROP VALUES

Rate of Flow GPM Factor	1.0 1.000	1.5 1.016	2.0 1.028	2.5 1.038	3.0 1.045	3.5 1.051	4.0 1.057	4.5 1.062	5.0 1.067	6.0 1.074
Pressure Drop ¾" Tube Mill in. per ft.	47	96	157	230	320	420	525	650	775	1,060
Pressure Drop 1¼" IPS Steel Pipe Mill in. per ft.	3	7	12	17	24	32	41	51	62	88
Pressure Drop 1¼" Tube Mill in. per ft.	6	12	20	28	39	50	63	77	93	124

Snap-On Accessories







VALVE ENCLOSURE/HINGED END CAP

Dimensions	А	В	C	D
Heat-Base 750/758	4"	73⁄16"	3½"	2 ⁷ /16"
Hi-Output 958	4"	9 ¹ ⁄4"	35⁄8"	2 ¹⁵ ⁄16"
Supr-Heat 1000	8"	10"	37⁄8"	7¼"

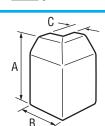
END CAP

Dimensions	Α	В	C
Heat-Base 750/758	3" or 6"	7 ³ ⁄16"	3 ¹ ⁄8"
Hi-Output 958	3"	9 ³ ⁄16"	3 ³ ⁄4"
Supr-Heat 1000	3"	10 ³ ⁄16"	3 ³ ⁄4"

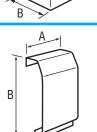
INSIDE CORNER/90° OR 135°

Dimensions	A – 90°	A – 135°	В
Heat-Base 750/758	43⁄4"	37⁄8"	67⁄16"
Hi-Output 958	4 ¹⁵ ⁄16"	37⁄8"	7 ¹⁵ ⁄16"
Supr-Heat 1000	4 ⁷ /8"	3 ⁷ ⁄8"	9"

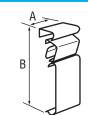


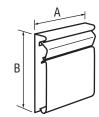












OUTSIDE CORNER/90° OR 135°

Dimensions	A	B – 90°	В – 135°	C – 90°	C – 135°
Heat-Base 750/758	6 ⁷ /16"	4½"	47⁄8"	2 ¹ /16"	31⁄4"
Hi-Output 958	7 ⁹ ⁄16"	55%"	4 ¹¹ ⁄16"	1 ¹¹ ⁄16"	31⁄4"
Supr-Heat 1000	8 ⁷ ⁄8"	5 ¹⁵ ⁄16"	4 ¹¹ ⁄16"	2 ¹ ⁄8"	3 ³ ⁄16"

WALL TRIM

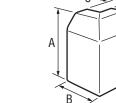
Dimensions	A	В
Heat-Base 750/758	3" or 6"	73⁄16"
Hi-Output 958	3" or 6"	9 ¹ ⁄8"
Supr-Heat 1000	3" or 6"	9 ³ ⁄4"

JOINER SET		
Dimensions	A	В
Heat-Base 750/758	2"	67⁄16"
Hi-Output 958	3"	8"
Supr-Heat 1000	3"	9"

COVER EXTENSION, 7" or 14"

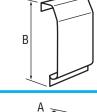
Dimensions	A	В
Heat-Base 750/758	7" or 14"	6 ³ ⁄4"
Hi-Output 958	7" or 14"	97⁄8"
Supr-Heat 1000	7" or 14"	10½"





В





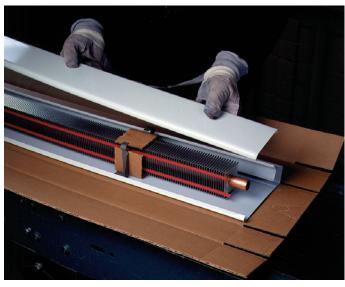


H

Baseboard Packaging

All Haydon hot water baseboard systems are factory pre-assembled in individually sealed corrugated containers with a complete length of styrofoam filler to protect it against any scratching or rubbing, also all brackets and dampers are pre-installed in place to prevent any movement during shipping or storage which could cause damage. To protect the fins and eliminate possible handling damage, the elements are also shipped within the steel enclosure. Supplied in 2, 3, 4, 5, 6, 7, 8, and 10 foot lengths, with attractive matching accessories. Other lengths available on request.





ENCLOSURE ONLY

Catalog #	Length	Brackets	Pcs. Per Carton
750/958/1000	3' - 4'	2	1
750/958/1000	5' - 6' - 7'	3	1
750/958/1000	8' - 10'	4	1

Note: No joiner sets are packed with enclosures only.

BASEBOARD COMPLETE

Catalog #	Length	Brackets	Joiner Sets
750/958/1000	2'	2	0
750/958/1000	3'	2	0
750/958/1000	4'	2	0
750	- 5'	3	1
958/1000	5	3	0
750	- 6'	3	1
958/1000	0	3	0
750	- 7'	3	1
958/1000		3	0
750	- 8'	4	1
958/1000	ŏ	4	0
750/958/1000	10'	4	0

ELEMENT ONLY

	-		
Catalog #	Length	Pcs. Per Carton	Tube Size
750	2'	4	3/4" - 1/2"
958/1000	2	1	$\frac{3}{4}$ " - 1" - 1 $\frac{1}{4}$ "
750	3'	4	$\frac{3}{4}^{"} - \frac{1}{2}^{"}$
958/1000	3	1	³ /4" - 1" - 1 ¹ /4"
750	A1	4	3/4" - 1/2"
958/1000	4'	1	³ ⁄4" – 1" – 1 ¹ ⁄4"
750	5'	4	3/4" - 1/2"
958/1000	5	1	³ ⁄4" – 1" – 1 ¹ ⁄4"
750	C	4	3/4" - 1/2"
958/1000	6'	1	³ ⁄4" – 1" – 1 ¹ ⁄4"
750	7'	4	$\frac{3}{4}^{"} - \frac{1}{2}^{"}$
958/1000		1	³ /4" - 1" - 1 ¹ /4"
750	8'	4	3/4" - 1/2"
958/1000	ð	1	³ ⁄4" – 1" – 1 ¹ ⁄4"

WARRANTY

HAYDON CORPORATION warrants that for a period of one (1) year from the date of shipment its Thermogenic Products are free of defects in materials and workmanship, provided they are installed and used under normal conditions and service. This warranty shall be solely limited to the replacement or repair at the option of HAYDON CORPORATION of any part or parts which may be returned Freight Prepaid and examined by its engineers and have proven to be defective. HAYDON CORPORATION shall under no circumstances accept any consequential damage or reinstallation labor costs.

HAYDON CORPORATION reserves the right to make changes from time to time in its design or materials without obligation of making such changes in previous manufactured items. This warranty shall take precedence over any other warranty express or implied and no further warranty may be made unless duly signed by an officer of HAYDON CORPORATION.





HAYDON CORPORATION

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