



PRODUCT SELECTION GUIDE



Quality
Value &
Service

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Velocity Boiler Works

is a leader in Hydronic Heating Technologies.

Velocity

delivers Residential and Commercial Oil and Gas-Fired Cast Iron Boilers, Stainless Steel Condensing Boilers, Indirect Water Heaters, and Warm Air Oil Furnaces with the guiding principles of offering quality products with outstanding customer service at competitive pricing.

Product Notes:

The NET AHRI Steam Ratings shown are based on a Piping and Pickup Allowance of 1.333.

The NET AHRI Water Ratings shown are based on a Piping and Pickup Allowance of 1.15.

The Manufacturer should be consulted before selecting a boiler for installations having unusual Piping Pickup requirements, such as Intermittent System Operation, Extensive Piping Systems, etc.

Not all models are suitable for installation with all fuels or altitudes. Refer to Product Specific Literature or Manual for complete details.





PHANTOM[®] COMBI II

**Condensing - Direct Vent - Stainless Steel
Gas-Fired – Adaptive Combustion
Hot Water - Water Tube**

- 95% AFUE with 10:1 turndown ratio
- Two Sizes
- Domestic Hot Water - Up to 3.7 GPM at 70 degree rise
- Low Loss Header Included
- Field Convertible to LP

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FOR MORE INFO**



- Easy access to key components
- Fully removable front & side panels
- Drop down control center

RESIDENTIAL HEATING

WATER

SPACE HEATING RATINGS				AHRI CERTIFIED		DIMENSIONS			DOMESTIC HOT WATER (DHW) RATINGS ¹					SHIPPING WEIGHT (LBS)	
MODEL	INPUT ² (MBH)		DOE HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	ENERGY STAR AFUE %	DEPTH (IN)	WIDTH (IN)	HEIGHT (IN)	INPUT ² (MBH)		HOT WATER DRAW LIMITS GPM				
	MIN	MAX							MIN	MAX	MAX				
											70°F RISE	77°F RISE	90°F RISE	MIN ³	
PHTM2136C	13.6	120	112	97	95.0	16.3	17.8	29.8	13.6	136	3.7	3.4	2.9	0.5	112
PHTM2200C	20	150	141	123	95.0	20.4	17.8	29.8	20	200	5.2	4.7	4.0	0.5	135

¹ DHW ratings are not AHRI certified.

² Input and DHW draw limits for elevations up to 2,000 ft. with min vent length. See Table 3-3 in installation manual for derate at max vent length.

³ Min DHW flow rate required through boiler to initiate DHW demand. Higher flow rate through fixture may be required due to mixing at tempering valve and/or fixture itself.

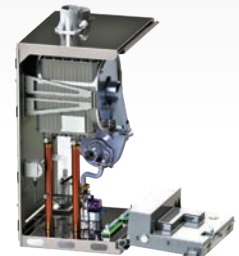


PHANTOM II

**Condensing - Direct Vent - Stainless Steel
Gas-Fired – Adaptive Combustion
Hot Water - Water Tube**

- 95% AFUE with 10:1 Turndown
- Four Sizes - 80, 120, 150, 180 MBH input
- 2" venting standard
- 5-year parts warranty
- Field convertible to LP

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FOR MORE INFO**



- Easy access to key components
- Fully removable front & side panels
- Drop down control center

CONDENSING

GAS

SPACE HEATING RATINGS				AHRI CERTIFIED		DIMENSIONS AND CONNECTIONS					SHIPPING WEIGHT (LBS)
MODEL	INPUT ¹ (MBH)		DOE HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	ENERGY STAR AFUE %	DEPTH (IN)	WIDTH (IN)	HEIGHT (IN)	SPACE HEATING WATER SWEAT, (IN)	GAS NPT	
	MIN	MAX									
PHTM2080H	8 ²	80	75	65	95.0	16.3	17.8	29.8	1	1/2	107
PHTM2120H	13.6	120	112	97	95.0	16.3	17.8	29.8	1	1/2	112
PHTM2150H	20	150	141	123	95.0	20.4	17.8	29.8	1	1/2	132
PHTM2180H	20	180	169	147	95.0	20.4	17.8	29.8	1	1/2	132

¹ Input for elevations up to 2,000 ft. with min vent length. See Table 3-3 for vent diameter connection sizes and derate at max vent length.

² For altitudes above 2,000 ft., PHNTM2080H minimum input increased to 10 MBH.



PHANTOM-X™

**Condensing - Direct Vent - Stainless Steel
Gas-Fired - Hot Water - Water Tube**

- Two Sizes: 210-285
- 5:1 turndown ratio
- Up to 95% AFUE (PHNTM 210-285)
- Stackable for floor space savings
- Natural gas and LP applications - consult manual

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SPACE HEATING RATINGS						AHRI CERTIFIED				
MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	DOE HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	ENERGY STAR AFUE %	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
PHNTM210	210	42	194	169	95.0	16-11/16	23-15/16	32-3/16	3	206
PHNTM285	285	57	262	228	95.0	16-11/16	21-13/16	43-7/16	3	256



RAPTOR FIRETUBE

**Condensing - Direct Vent - Gas-Fired
Stainless Steel - Fire Tube Design - Hot Water**

- Up to 96% AFUE
- 10:1 turndown ratio
- Five sizes: 85-270 MBH heat only
- 5-year parts warranty
- Field convertible to LP gas with optional kit

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SPACE HEATING RATINGS					AHRI CERTIFIED				
MODEL	INPUT (MBH) MIN-MAX	DOE HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	ENERGY STAR AFUE %	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
RPTR085HB	8.5 - 85	79	69	96.0	19-13/16	20	33-5/16	2 or 3	140
RPTR110HB	11 - 110	103	90	96.0	19-13/16	20	33-5/16	2 or 3	145
RPTR155HB	15.5 - 155	145	126	95.0	19-13/16	20	33-5/16	3	160
RPTR205HB	20.5 - 205	189	164	95.0	19-13/16	21	33-5/16	3	175
RPTR270HB	27 - 270	252	219	95.0	19-13/16	21	33-5/16	3	185



ARUBA 6

(AWR SERIES)

Cast Iron - Gas-Fired - Hot Water Atmospheric Vent

- 84% AFUE
- Eight sizes from 38 to 280 MBH
- For use with an approved chimney
- Cast iron heat exchanger
- Natural or LP gas
- Limited Lifetime Warranty – see warranty certificate for complete details
- Integrated Boiler control
 - Located inside of jacket and easily accessible from the front of the boiler
 - Temperature control, relay and ignition functions in a single module
 - Integral LWCO
- Built-in rear draft diverter
- Boiler is field converted to right side piping
- Additional circulator output for a second zone or indirect water heater like the Mega-Stor II

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AWR Space Heating Ratings					AHRI CERTIFIED® www.ahridirectory.org		FLUE COLLAR DIAMETER	WATER CONTENT (GALLONS)	"W" DIMENSION (INCHES)	APPROX. SHIPPING WEIGHT (LBS.)	BOILER WEIGHT (LBS)
MODEL	INPUT ⁽¹⁾ (MBH)	DOE HEATING CAPACITY (MBH)	NET AHRI RATING ⁽²⁾ (MBH)	AFUE%							
AWR038C	38	32	28	84.0	4	1	13	202	143		
AWR070C	70	59	51	84.0	4	2	13	254	180		
AWR105C	105	88	77	84.0	5	3	16	304	231		
AWR140C	140	117	102	84.0	6	4	19	357	284		
AWR175C	175	146	127	84.0	6	5	22	405	332		
AWR210C	210	176	153	84.0	7	6	25	462	382		
AWR245C	245	205	178	84.0	7	7	28	518	438		
AWR280C	280	234	203	84.0	8	8	31	564	484		

All dimensions and specifications are subject to change without notice.

1. Input ratings can be used for elevations up to 2000 ft. Refer to Appendix D in the IO&S Manual for ratings above 2000 ft.
2. Net AHRI water ratings shown are based on a piping and pickup allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping, etc.

RESIDENTIAL HEATING

WATER

NON-CONDENSING

GAS



BALI 3

(BWF SERIES)

Cast Iron - Gas-Fired
Hot Water - Power Vent

- Cast iron heat exchanger and stainless steel burners
- Integral fan for sidewall venting
- Six sizes available in natural or LP gas
- Limited lifetime warranty
- LWCO standard equipment
- Optional direct vent kit available
- Boiler easily field convertible to left side piping

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BWF SPACE HEATING RATINGS						AHRI CERTIFIED [®] <small>www.ahridirectory.org</small>		# OF SECTIONS	'A' WIDTH	CONNECTION SIZE		WATER CONTENT	APPROX. SHIPPING WEIGHT	OPTIONAL DIRECT VENT KIT ⁽³⁾
BASIC BOILER MODEL	FUEL	INPUT ⁽¹⁾	HEATING CAPACITY	NET AHRI RATING, WATER ⁽²⁾	AFUE	GAS	VENT							
		MBH	MBH	MBH	%					(inch)	(NPT)			
BWF070CN	NAT. GAS	70	60	52	85.0	3	12-3/4	1/2	3	2	260	110019-03		
BWF105CN	NAT. GAS	105	90	78	85.0	4	15-1/2	1/2	3	3	310	110019-04		
BWF140CN	NAT. GAS	140	120	104	85.0	5	18-1/2	1/2	3	4	360	110019-05		
BWF175CN	NAT. GAS	175	150	130	85.0	6	21-1/2	1/2	3	5	415	110019-06		
BWF210CN	NAT. GAS	210	179	156	85.0	7	24-3/4	3/4	3	6	470	110019-07		
BWF245CN	NAT. GAS	245	208	181	84.0	8	27-3/4	3/4	4	7	525	110019-08		
BWF063CL	PROPANE	63	54	47	85.0	3	12-3/4	1/2	3	2	260	110019-03		
BWF094CL	PROPANE	94.5	81	70	85.0	4	15-1/2	1/2	3	3	310	110019-04		
BWF126CL	PROPANE	126	108	94	85.0	5	18-1/2	1/2	3	4	360	110019-05		
BWF157CL	PROPANE	157.5	135	117	85.0	6	21-1/2	1/2	3	5	415	110019-06		
BWF189CL	PROPANE	189	161	140	85.0	7	24-3/4	3/4	3	6	470	110019-07		
BWF220CL	PROPANE	220.5	187	163	84.0	8	27-3/4	3/4	4	7	525	110019-08		

⁽¹⁾ Input ratings can be used for elevations up to 2000 ft above sea level. Refer to Appendix B in the installation manual for elevations 2000 ft. or higher. ⁽²⁾ Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc. ⁽³⁾ Direct Vent kit is included with high altitude models.



BERMUDA 2

Cast Iron - Gas-Fired
Atmospheric Vent
(BSI SERIES)

- Up to 82.2% AFUE
- Seven sizes 69-276 MBH
- Natural Gas or LP (with conversion kit)
- Fully assembled
- Near boiler piping kit available separately for ease of installation

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BSI SPACE HEATING RATINGS NATURAL GAS						AHRI CERTIFIED® www.ahridirectory.org				DIMENSIONS		WATER VOLUME (GALLONS)		APPROX. SHIPPING WEIGHT (LBS.)
MODEL	INPUT (MBH)	DOE HEATING CAPACITY (MBH)	AHRI NET RATING STEAM		AFUE%	"A" (IN)	"B" (IN)	"C" (IN)	"D" (IN)	STEAM BOILER	(1)			
			SQ. FT.	MBH										
BSI069B	69	57	179	43	82.0	12-3/4	28	40-7/16	4	5.1	1	350		
BSI103B	103	84	263	63	82.0	16	28	40-7/16	5	6.5	2	420		
BSI138B	138	113	354	85	82.0	19-1/4	28	40-7/16	6	7.9	3	485		
BSI172B	172	142	446	107	82.1	22-1/2	28	40-7/16	6	9.3	4	555		
BSI207B	207	171	533	128	82.1	25-3/4	30	40-7/16	7	10.7	5	620		
BSI241B	241	199	621	149	82.2	29	30	40-7/16	7	12.1	6	690		

The Net AHRI Steam Ratings shown are based on a piping and pickup allowance of 1.333.

The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

All dimensions and specifications are subject to change without notice.

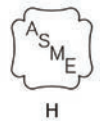
1. Steam boiler's "steamable water volume": water volume from NWL (normal water level) to low water cutoff level.

OPTIONAL EQUIPMENT

DESCRIPTION	BOILER	PART NUMBER
Near Boiler Piping Kit (Dual Riser-Drop Header)	069 thru 172	113164-01
	207 thru 276	113164-02

FUEL CONVERSION KITS

FUEL	BOILER	PART NUMBER
Natural Gas to LP	069	112577-03
	103 thru 138	112577-05
	172	112577-06
	207 thru 276	112577-09





TOBAGO 2 (TWC SERIES) Cast Iron - Oil-Fired - Water Atmospheric Vent

- Up to 87.3% AFUE, based on model and firing rate*
- 3 physical sizes with 6 firing rates
- For use with an approved chimney
- Cast iron wet based heat exchanger
- Swing Away Burner Door and split top jacket for ease of service
- Limited Lifetime Warranty – see warranty certificate for complete details
- Available with optional Tankless Coil for Domestic Hot Water
- Burners packaged separately for easier handling
- Hydrolevel Hydrostat #3250
 - Combination Aquastat & LWCO
 - Allows for additional circulator that can be used for a second zone or indirect water heater like the Mega-Stor II

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TWC SPACE HEATING RATINGS					AHRI CERTIFIED	MINIMUM CHIMNEY REQ.	TANKLESS HEATER (GPM)	JACKET DEPTH 'A'	JACKET REAR TO CENTER OF FLUE 'B'	FLUE COLLAR DIAMETER 'C'	APPROX. SHIP WT. (LBS)
MODEL	HEATING CAPACITY (MBH)	NET AHRI RATINGS (MBH)	BURNER INPUT (GPH)	AFUE (%)							
TWC-075 ¹	92	80	0.75	87.0 ²		8" x 8" x 15'	3.00	17-3/8"	8-1/4"	6"	560
TWC-100	122	106	1.00	86.3		8" x 8" x 15'	3.25	17-3/8"	8-1/4"	6"	560
TWC-120 ¹	148	129	1.20	87.0 ²		8" x 8" x 15'	3.75	22-3/8"	10-7/8"	7"	680
TWC-150	182	158	1.50	86.0		8" x 8" x 15'	4.00	22-3/8"	10-7/8"	7"	680
TWC-175 ¹	214	186	1.75	86.4		8" x 8" x 15'	4.25	27-3/8"	13-3/8"	8"	800
TWC-190	231	201	1.90	86.1		8" x 8" x 15'	4.75	27-3/8"	13-3/8"	8"	800

1. TWC-075, TWC-120, and TWC-175 are only sizes available from factory. Shaded models are field converted from model directly above using the loose nozzle provided with the burner.

Net AHRI ratings are based on piping and pick-up allowance of 1.15. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

²ENERGY STAR® model



FREEPORT III (FWC SERIES) Cast Iron - Oil-Fired - Hot Water Atmospheric Vent

- Six sizes: 0.60-1.60 GPH
- Swing door with burner disconnect plug for easy access to all heating surfaces through the front
- Beckett AFG burner standard; Carlin & Riello burners optional on most sizes

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CROWN MODEL NUMBER	BURNER INPUT		HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	ENERGY STAR AFUE %	DIMENSIONS (INCHES)			WATER CONTENT (GAL)	HEAT TRANSFER SURFACE AREA (SQ FT)	SHIPPING WEIGHT (LBS)
	GPH	MBH				"A"	"B"	"C"			
FWC-060	0.60	84	73	63	87.0	16-1/4	24	5	7.70	13.29	430
FWC-080	0.80	112	97	84	87.0	16-1/4	24	5	7.70	13.29	430
FWC-100	1.00	140	123	107	87.0*	22-1/4	24	6	11.08	20.29	545
FWC-130	1.30	182	160	139	87.0*	28-1/4	30	6	14.46	27.29	658
FWC-160	1.60	224	197	171	87.0*	34-1/4	36	7	17.84	34.29	771

*ENERGY STAR® certified product

1. Burner capacity rating, GPH, is based on #2 fuel oil with a Gross Heating Value equal to 140,000 BTU/gal.

2. Net Ratings are based on piping and pick-up allowances of 1.15.

3. Maximum working pressure, water - 50 PSI.

KINGSTON 2 Cast Iron - Oil-Fired Steam - Atmospheric Vent (KSC SERIES)



- Efficiencies up to 86.4% AFUE
- Three physical sizes with firing rates from 0.65-1.90 GPH
- Optional side-mounted tankless coil for domestic hot water
- Beckett AFG burner standard; Carlin & Riello burners optional on most sizes
- Burner packaged separately for easier handling
- Near boiler piping kit available separately for ease of installation

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KSC SPACE HEATING RATINGS					AHRI CERTIFIED www.ahridirectory.org		NO. OF SECS.	TANKLESS HEATER (GPM)	DIMENSIONS			SHIPPING WEIGHT (LBS)
CROWN MODEL NUMBER	BURNER INPUT (GAL/HR)	HEATING CAPACITY (MBH)	AHRI NET RATING STEAM		AFUE (%)	"A"			"B"	"C"		
			(Sq. Ft.)	(MBH)		(IN.)	(IN.)	(IN.)				
KSC-075	0.75	91	283	68	85.7	3	3.00	17-3/8	8-1/4	5-7/8	570	
KSC-100	1.00	121	379	91	85.0	3	3.25	17-3/8	8-1/4	5-7/8	570	
KSC-120	1.20	147	458	110	86.4	4	3.75	22-3/8	10-7/8	6-7/8	690	
KSC-150	1.50	181	567	136	85.1	4	4.00	22-3/8	10-7/8	6-7/8	690	
KSC-175	1.75	212	663	159	85.6	5	4.25	27-3/8	13-3/8	7-7/8	810	
KSC-190	1.90	230	721	173	85.3	5	4.75	27-3/8	13-3/8	7-7/8	810	

Notes:

1. Net AHRI Ratings are based on piping and pick-up allowances of 1.333 for steam. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.
2. Burner Capacity Rating, GPH is based on #2 oil with a Gross Heating Value equal to 140000 BTU/Gal.

The KSC-075, KSC-120 and KSC-175 are only sizes available from factory. Unshaded models are field converted from model directly above using the loose nozzle provided with the burner.



RESIDENTIAL HEATING

STEAM

OIL



PHANTOM-X

Condensing - Direct Vent - Stainless Steel
Gas-Fired - Hot Water - Water Tube

- Five Sizes: 399-800 MBH
- 5:1 turndown ratio
- Up to 97% thermal efficiency
- Stackable for floor space savings
- Natural gas and LP applications - consult manual

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SPACE HEATING RATINGS						AISI CERTIFIED				
MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	GROSS OUTPUT (MBH)	NET AHRI WATER RATING (MBH)	THERMAL EFFICIENCY	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
PHNTM399C	399	80	375	326	94.1	16-7/8	31-3/16	43-1/2	4	316
PHNTM500C	500	100	485	422	97.0	16-7/8	46-1/2	35-1/16	4	368
PHNTM600C	625	125	594	517	95.0	16-7/8	49-1/2	35-1/16	6	458
PHNTM700C	725	145	689	599	95.0	16-7/8	49-1/2	35-1/16	6	458
PHNTM800C	800	160	760	661	95.0	16-7/8	53-5/16	35-1/16	6	500



PHANTOM-XL BOILER

Condensing - Gas-Fired - Hot Water

- Five Sizes - 399 MBH - 999 MBH
- 10:1 turndown, Natural gas or LP
- Venting of up to 200 (combined) equivalent ft.
- Fits through standard doorways
- 97% Thermal Efficiency

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PHANTOM-XL: Boiler Model Technical Information

Phantom-XL Commercial Ratings & Specifications (sea level to 2000 feet) ¹													
SPACE HEATING RATINGS						AISI CERTIFIED							
MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	GROSS OUTPUT (MBH)	NET AHRI WATER RATING (MBH)	THERMAL EFFICIENCY %	D (IN.)	W (IN.)	H (IN.)	WATER CONTENT (GAL.)	VENT CONNECTION (IN.)	GAS CONNECTION (NPT)	SUPPLY & RETURN CONNECTION (NPT)	APPROX. SHIPPING WEIGHT (LBS.)
PHX 400	399	40	387	337	97	36-1/2	26-3/8	38-1/2	3.8	4	3/4	2	460
PHX 500	500	50	485	422	97	36-1/2	26-3/8	38-1/2	4.3	4	3/4	2	470
PHX 650	650	65	631	548	97	52-3/8	26-3/8	38-1/2	5.6	6	1	2	530
PHX 800	800	80	776	675	97	52-3/8	26-3/8	38-1/2	6.6	6	1	2	560
PHX 1000L	999	100	970	843	97	52-3/8	26-3/8	38-1/2	8.1	6	1	2	600



PHANTOM-XL™ WATER HEATER

Stainless Steel - Vertical

- Five Sizes - 399 MBH to 1000 MBH
- 10:1 turndown, Natural gas or LP
- Venting of up to 200 (combined) equivalent ft.
- Fits through standard doorways
- 98% Thermal Efficiency

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Phantom-XL(W) Commercial Ratings & Specifications (sea level to 2000 feet)¹

WATER HEATER RATINGS						AHRI CERTIFIED								
MODEL	MAX. INPUT (MBH)	MIN. INPUT (MBH)	GROSS OUTPUT (MBH)	DHW RECOVERY ¹ (GPH)	THERMAL EFFICIENCY %	D (IN.)	W (IN.)	H (IN.)	WATER CONTENT (GAL.)	VENT CONNECTION (IN.)	GAS CONNECTION (NPT)	SUPPLY & RETURN CONNECTION (NPT)	APPROX. SHIPPING WEIGHT (LBS.)	
PHXW 400	399	40	391	470	98	36-1/2	26-3/8	38-1/2	3.8	4	3/4	2	460	
PHXW 500	500	50	490	588	98	36-1/2	26-3/8	38-1/2	4.3	4	3/4	2	470	
PHXW 650	650	65	637	764	98	52-3/8	26-3/8	38-1/2	5.6	6	1	2	530	
PHXW 800	800	80	784	941	98	52-3/8	26-3/8	38-1/2	6.6	6	1	2	560	
PHXW 1000L	999	100	980	1176	98	52-3/8	26-3/8	38-1/2	8.1	6	1	2	600	

1. Based on 40°F to 140°F temperature rise.



RAPTOR-X® FIRE TUBE

Condensing - Direct Vent - Stainless Steel Gas-Fired - Hot Water - Fire Tube

- 95% thermal efficiency
- 10:1 turndown ratio
- Two sizes: 320 & 399 MBH
- Field convertible to LP gas with optional kit
- Can be floor or wall mounted

CLICK HERE FOR MORE INFO

SPACE HEATING RATINGS					AHRI CERTIFIED				
MODEL	INPUT MIN-MAX (MBH)	HEATING CAPACITY (MBH)	AHRI NET RATING (MBH)	THERMAL EFFICIENCY %	W (IN)	D (IN)	H (IN)	VENT DIAMETER (IN)	APPROX. SHIPPING WEIGHT (LBS)
RPTR320HB	32-320	304	264	95.0	23	22.4	45.28	4	270
RPTR399HB	39.9-399	379	330	95.0	23	22.4	45.28	4	275

COMMERCIAL

WATER

CONDENSING

GAS



SERIES 16G

Cast Iron - Gas-Fired - Hot Water Only - Gas (Semi Packaged)

- Thermal efficiency ratings up to 81%
- Four sizes: 340-505 MBH input
- Shipped semi-packaged for convenience

SPACE HEATING RATINGS			AHRI CERTIFIED www.ahri.org			
MODEL	INPUT MBH	GROSS OUTPUT MBH	NET AHRI WATER RATING MBH	THERMAL EFFICIENCY %	NO. OF SECS.	APPROX. SHIPPING WEIGHT
16G-340	340	275	239	81.0	7	870
16G-399	399	320	278	80.2	8	950
16G-460	460	370	322	80.4	9	1040
16G-505	505	406	353	80.5	10	1140

Propane in place of natural gas - no additional charge.

1. Net Water Ratings shown are based on piping and pickup allowance of 1.15.
2. Not approved for installation on combustible flooring unless installed with the combustible floor base (see Optional Equipment).
3. Not for installation on carpet
4. Not available for use in elevations above 2000 ft



SERIES 25

Cast Iron - Oil- or Gas-Fired
Hot Water or Steam

Contact factory for pricing and availability

- **Cast Iron Commercial Water or Steam Boilers**
 - Water Oil Boilers available from 588 MBH to 2297 MBH Input
 - Water Gas Boilers available from 447 MBH to 2367 MBH input
 - Steam Oil Boilers available from 588 MBH to 2297 MBH Input
 - Gas Steam Boilers available from 447 MBH to 2345 MBH Input
- **Up to 82.7% Thermal Efficiency**
- **Cast iron Sectional Design**
- **Beckett Oil Burner**
- **Beckett NG Gas Burner (not available for LP)**
- **Top or Rear Venting**



COMMERCIAL

NON-CONDENSING

WATER/STEAM

OIL/GAS



SERIES 49 Cast Iron - Gas-Fired - Steam Atmospheric Vent

- Cast iron heat exchanger
- 82% AFUE
- Natural Gas only
- Sectional knock-down (150 to 550 MBH)
- Near Boiler Piping Kits available for models 49-150S to 49-299S
- 2" Skim taping

SERIES 49 STEAM (Nat Gas-Fired Only)

CLICK HERE FOR MORE INFO

SPACE HEATING RATINGS		AHRI CERTIFIED [®]												
MODEL	INPUT (MBH)	HEATING CAPACITY (MBH)	NET AHRI RATING		AFUE ² %	NO. OF SECTIONS	W (IN.)	H (IN.)	D (IN.)	NOMINAL VENT DIA. ³ (IN.)	SUPPLY (NPT)	RETURN (NPT)	GAS CONN ⁴ (NPT)	APPROX. SHIPPING WEIGHT (LBS)
			STEAM											
				MBH	SQ. FT.									
49-150S	150	124	93	388	82.0	4	21-3/8	40-3/4	40	6	(1) 2	2	3/4	625
49-175S	175	144	108	450	82.0	5	26-7/16	40-3/4	40	7	(2) 2	2	3/4	750
49-200S	200	165	124	517	82.0	5	26-7/16	40-3/4	40	7	(2) 2	2	3/4	750
49-250S	250	206	155	646	82.0	6	31-1/2	40-3/4	40	8	(2) 2	2	3/4	875
49-299S	299	246	185	771	82.0	7	36-9/16	40-3/4	40	8	(2) 2	2	3/4	881
49-350S	350	284 ¹	213	890	81.0 ²	8	41-5/8	40-3/4	40	6 & 7	(3) 2	2	1/2 & 3/4	1008
49-399S	399	323 ¹	242	1,012	81.0 ²	9	46-11/16	40-3/4	40	6 & 8	(3) 2	2	1/2 & 3/4	1123
49-450S	450	365 ¹	274	1,143	81.0 ²	10	51-3/4	40-3/4	40	7 & 8	(4) 2	2	3/4 & 3/4	1239
49-500S	500	405 ¹	304	1,269	81.0 ²	11	56-13/16	40-3/4	40	7 & 8	(4) 2	2	3/4 & 3/4	1354
49-550S	550	446 ¹	335	1,397	81.0 ²	12	61-7/8	40-3/4	40	8 & 8	(4) 2	2	3/4 & 3/4	1469

1. Gross output on models with inputs over 300MBH

2. Thermal efficiency on models with inputs over 300MBH

3. e.g. 6 & 7 indicates both 6 and 7 inch collar diameters (see installation manual)

4. e.g. 1/2 & 3/4 indicates both 1/2 and 3/4 inch gas connections

5. Not available for use in elevations above 2000 ft.

SPARQ

ELECTRIC BOILER

Residential - Electric - Water



STANDARD FEATURES

- Coated steel water tube heat exchanger
- Powder coated, steel jacket
- Dual built-in 60-amp circuit breaker
- Cooling fan
- Flow switch
- Temp/pressure gauge
- Boiler drain valve
- ASME relief valve (30 psi)
- Secondary high limit (manual)
- Enhanced individual element relays, pump switching relay
- Boiler Control w/diagnostic display
 - Anti short cycle timer
 - Dual setpoint
 - Automatic element cycling
 - DHW priority
 - Fault & dry fire protection

ADDITIONAL FEATURES

- 100% Efficient with Zero Emissions
- 20 Year Heat Exchanger Warranty
- 2 Year Parts Warranty
- UL 834 Listed

**CLICK HERE
FOR MORE INFO**

MODEL	BOILER SIZE		POWER OUTPUT		ELEMENT SIZE	VOLTAGE (AC)	TOTAL AMPS	BREAKER (AMP)	APPROX. SHIPPING WEIGHT
	KW	MBH	WATTS	BTU/HR					
SWA16	16	55	16,000	54,600	4,000	240	72.7	100	70
SWA20	20	68	20,000	68,200	5,000	240	89.3	125	70
SWA24	20	82	24,000	82,000	6,000	240	106.0	150	70

RESIDENTIAL HEATING

ELECTRIC

WATER



MEGA-STOR II (MS2)

Stainless Steel - Indirect Water Heater

- Five sizes: 30-119 gallon
- Rugged design with coated steel jacket and heavy duty polymer top and bottom to resist cracks and abrasions (Available on sizes 30-75 only)
- Large diameter and smooth surface stainless steel coil maintains superior performance over the life of the tank
- Adjustable feet for uneven floors (Available on sizes 30-75 ONLY)

CLICK HERE FOR MORE INFO

AHRI PERFORMANCE RATINGS										AHRI CERTIFIED
MODEL	FIRST HOUR RATING	CONTINUOUS DRAW RATING	STANDBY LOSS (°F/HR)	MINIMUM BOILER OUTPUT (MBH)	BOILER WATER THROUGH COIL		POTABLE VOLUME (GAL)	D (IN)	H (IN)	APPROX SHIPPING WEIGHT (LBS)
	(GAL/HR)	(GAL/HR)			MIN FLOW (GAL/MIN)	HEAD LOSS (FT W.C.)				
MS2-030	162	138	1.4	87	8.0	2.6	30.1	23-1/2	33-1/8	69
MS2-040	192	162	1.1	101	8.0	2.8	37.9	23-1/2	39-3/8	82
MS2-050	236	193	0.9	121	8.0	2.9	50.6	23-1/2	49-3/4	112
MS2-075	307	238	1.0	150	8.0	4.5	74.0	23-1/2	68-3/4	146
MS2-119	497	417	1.4	264	14.0	4.2	111.3	30-3/4	62-7/8	251



MEGA-STOR BUFFER TANK

- Available in 3 sizes (30, 50, 75)
- Rugged design with coated steel jacket and heavy-duty polymer top and bottom
- Tank cylinder made of 444 stainless steel
- Adjustable feet for uneven floors
- 1-1/2" system connections

CLICK HERE FOR MORE INFO

WHILE SUPPLIES LAST

MODEL	VOLUME (GAL.)	DIMENSIONS IN INCHES		WEIGHT	
		HEIGHT	WIDTH	NET	FULL
MSB-030	31.4	33-1/8	23-1/2	71	333
MSB-075	76.3	68-3/4	23-1/2	115	751

ADVANCED FEATURES



INTEGRATED BOILER CONTROL

Features temperature control, relay and ignition functions in a single module. Included LWCO and additional circulator output for a second heating zone or an indirect water heater like the Mega-Stor II.

Standard on AWR & BWF



HYDROLEVEL 3250

The Hydrolevel HydroStat 3250 control provides temperature limit and low water cutoff, while allowing for outdoor reset control with the addition of an Outdoor Sensor Kit.

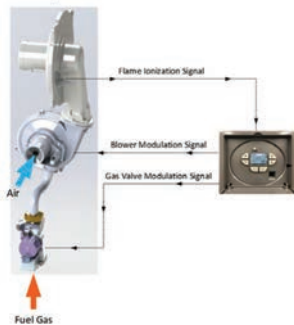
Standard on TWC & FWC

[CLICK HERE FOR MORE INFO](#)

PATCONNECT

PAT Connect is a commissioning, diagnostic and service tool consisting of a Bluetooth Adaptor and mobile device app.

[CLICK HERE FOR MORE INFO](#)



PHANTOM ADAPTIVE COMBUSTION

Adaptive combustion technology features

- Field convertible to LP- No conversion Kit required
- Simple start-up
- Rate based temperature reset- no outdoor sensor required

Standard on Phantom II Combi and Heat Only boilers

[CLICK HERE FOR MORE INFO](#)

ACCESSORIES

STEAM NEAR BOILER PIPING KITS



The near boiler piping kit will assist in delivering “dry” steam to the heating system, reduce short cycling, eliminate water hammering and protect against system flooding. Kit includes all components required to complete the near boiler piping as recommended in the installation manual.

Available on BSI, KSC & S49

[CLICK HERE FOR MORE INFO](#)

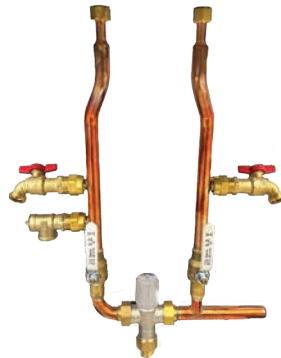
CONDENSING ACCESSORIES



Common Vent Kits

Leg Kit
Raptor
Floor Stand
Phantom II

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Phantom II Combi Boiler

Domestic Hot Water
Piping Kit

[CLICK HERE FOR MORE INFO](#)



Phantom II Heat Only

Primary/
Secondary
Header

[CLICK HERE FOR MORE INFO](#)









PATCONNECT





Bluetooth
Adapter

[CLICK HERE FOR MORE INFO](#)

Warranty Information Guide (Parts/Heat Exchanger)

RESIDENTIAL							
WATER				STEAM			
OIL				GAS			
TOBAGO TWC		FREEPORT FWC		KINGSTON KSC		BERMUDA 2	
							
Warranty (Heat Exchanger)	20 years*	Warranty (Heat Exchanger)	20 years*	Warranty (Heat Exchanger)	12 years*	Warranty (Heat Exchanger)	12 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year

RESIDENTIAL			
WATER			
GAS			
NON-CONDENSING			
ARUBA 6		BALI 3	
			
Warranty (Heat Exchanger)	20 years*	Warranty (Heat Exchanger)	20 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year

RESIDENTIAL							
WATER							
GAS							
CONDENSING							
PHANTOM II COMBI		PHANTOM II HEAT ONLY		PHANTOM-X		RAPTOR	
							
Warranty (Heat Exchanger)	7 years*	Warranty (Heat Exchanger)	7 years*	Warranty (Heat Exchanger)	7 years*	Warranty (Heat Exchanger)	7 years*
Warranty (Parts)	5 years	Warranty (Parts)	5 years	Warranty (Parts)	5 years	Warranty (Parts)	5 years

CLICK HERE FOR MORE INFO

*Boiler Heat Exchanger warranty covers manufacturing defects to the original owner only. A proof of original purchase will be required. For full and pro-rated terms, please go to; <https://www.velocityboilerworks.com/support/product-warranties/>

** Limited Lifetime Warranty for Residential Installations for the Heat Exchanger and Tank cover manufacturing defects to the original owner only. A proof of original purchase will be required.

For complete details please go to; <https://www.velocityboilerworks.com/support/product-warranties/>







VelocityBoilerWorks.com

Warranty Information Guide (Parts/Heat Exchanger)

RESIDENTIAL/COMMERCIAL			
INDIRECT WATER HEATERS			
MEGA-STOR II		BUFFER TANK	
			
Warranty (Heat Exchanger and Tank)	8 years**	Warranty (Tank)	5 years
Warranty (Parts)	1 year	Warranty (Parts)	1 year

COMMERCIAL					
WATER		STEAM		WATER/STEAM	
NON-CONDENSING					
SERIES 16G		SERIES 49		SERIES 25	
					
Warranty (Heat Exchanger)	10 years*	Warranty (Heat Exchanger)	10 years*	Warranty (Heat Exchanger)	10 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year

COMMERCIAL							
WATER							
GAS							
CONDENSING							
RAPTOR-X		PHANTOM-X		PHANTOM XL		PHANTOM XL WH	
							
Warranty (Heat Exchanger)	5 years*	Warranty (Heat Exchanger)	5 years*	Warranty (Heat Exchanger)	10 years*	Warranty (Heat Exchanger)	10 years*
Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year	Warranty (Parts)	1 year

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VelocityBoilerWorks.com



- High-grade materials and “smart” controls for maximum efficiency and cost savings
- Safe, reliable and durable products for years of exceptional performance
- Expertly engineered, inspected and certified to meet the most rigorous standards for quality, safety and efficiency
- Delivered fully assembled and tested, easy to install and service
- A wide range of venting options and boiler sizes to fit the needs of any home or business
- Backed by superior warranties, with friendly and experienced technicians ready to answer questions and provide support

At Velocity Boiler Works our products are built to the highest standards, earning one or more of the following marks:



Quality
Value &
Service