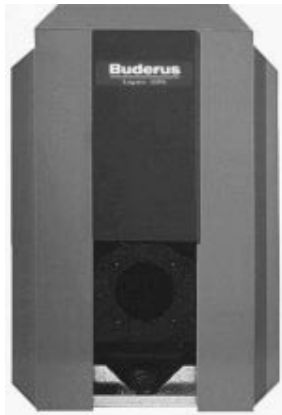


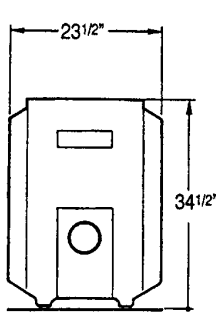
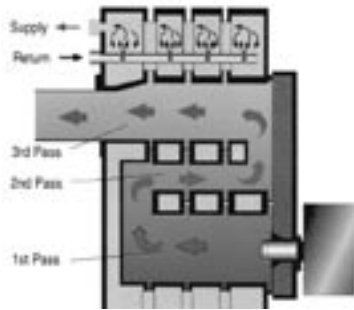
# Buderus

HYDRONIC SYSTEMS

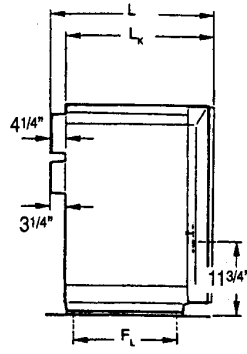
## LOGANO G215 & 315 SERIES OIL BOILER BUDERUS



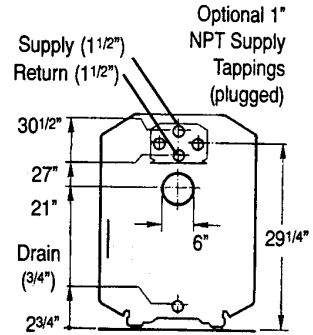
- Flexible Corrosion Resistant GL-180M Cast Iron
- Full Swing Door for Serviceability
- Three Pass Flue Design
- Chimney Vent or Sealed Combustion Pressure Fired



Front View



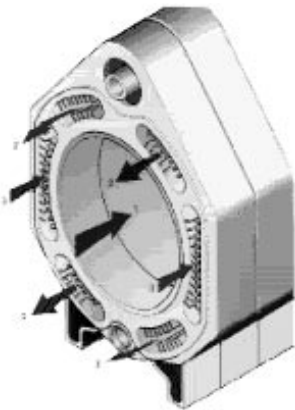
Side View



Rear View

Model	Becket Burner #	Carlin Burner#	Riello Burner#	# Sec- tions	Firing Rate	DOE MBTUH	Net. MBTUH	AFUE	Dimensions HxWxL	Flue Size	Water Content	Wgt.
G215-3	AFG	EZ1	F5	3	1.10	134	117	86.3	34 1/2 x 28 1/2 x 26 1/4	6	12.9	400
G215-4	AFG	EZ66	F5	4	1.40	171	149	86.2	34 1/2 x 28 1/2 x 31	6	16.1	500
G215-5	CF375	EZ66	F10	5	1.70	207	180	86.1	34 1/2 x 28 1/2 x 35 1/4	6	19.3	600
G215-6	CF375	na	F10	6	2.10	256	223	86.0	34 1/2 x 28 1/2 x 40 1/2	6	22.5	700
G215-7	CF375	na	F10	7	2.50	294	256	86.7	34 1/2 x 28 1/2 x 45 1/4	6	25.6	800

## G-215 & 315 SERIES OIL OR GAS BOILER BUDERUS



- Thermostream technology allows unrestricted entering water temperatures
- Condensation free operation
- Three pass flue design for high efficiency
- 3" thermal insulation minimizes standby losses
- Available as knock down, or assembled block
- Low fire setting must be at least 60% of full fire



Model	Beckett Burner#	Riello Burner #	# Sec- tions	Firing Rate	Output MBTUH	Oil Net. Output	Eff. % Oil	Max. Fire Gas	Eff.% Gas	Size H x W x L	Flue Size	Wgt.
G315-5	CF500	F15	5	3.0	350	304	86.8	433	84.2	40 3/4 x 34 3/4 x 38 1/4	7	1296
G315-6	CF800	F15	6	3.85	454	395	86.9	556	84.3	40 3/4 x 34 3/4 x 44 1/2	7	1509
G315-7	CF800	F15	7	4.7	559	486	87.0	678	84.4	40 3/4 x 34 3/4 x 50 3/4	7	1763
G315-8	CF1400	F20	8	5.6	663	577	87.1	801	84.4	40 3/4 x 34 3/4 x 57	7	1927
G315-9	CF1400	F20	9	6.4	768	668	87.1	924	84.5	40 3/4 x 34 3/4 x 63 1/2	7	2120

# Buderus

HYDRONIC SYSTEMS

## ULTRA EFFICIENT WALL HUNG BOILERS BUDERUS



### Manifold Features:

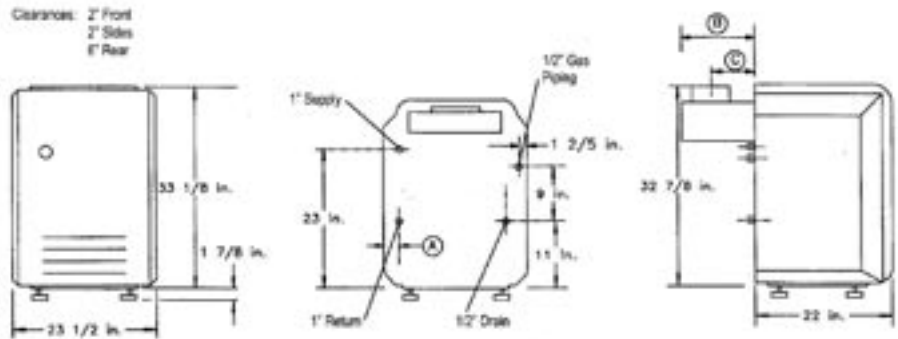
Standard with all GB wall hung boilers, the GB manifold dramatically simplifies and speeds boiler installations. With prefabricated copper and brass pipe and fittings, built-in Grundfoss circulator, the quick connect GB manifold saves hours of installation labor and cost while eliminating piping errors.

Model	Input MBtuH	Output 176°/140°F MBtuH	Output 122°/86°F MBtuH	Efficiency Hi/Low Temp	Size LxWxH	PVC Vent Size	Connections Supply	Return	Water Content	Wgt
GB142-24	84.8	22.7-75.2	25.3-83.3	89/98	18 <sup>3</sup> / <sub>4</sub> x22x28	3	1	1	.65	110
GB142-30	106	28.1-91.5	30.7-102.4	86/97	18 <sup>3</sup> / <sub>4</sub> x22x28	3	1	1	.65	110
GB142-45	106.9	42.5-142	47.2-158	88/98	18 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub> x28	3	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	.93	143
GB142-60	198.8	56.8-176.3	63.2-176.3	89/99	18 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub> x28	3	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1.2	158

## G124X SERIES GAS BOILER BUDERUS



- Flexible Corrosion Resistant GL-180M Cast Iron
- 3" Thermal Insulation
- Stainless Steel Burners
- Chimney Vent or Direct Vent



Standard Accessories Included with the Boiler Are:

- Honeywell Controls, Slow Open Gas Valve, & Draft Inducer Kit Circulator NOT Included
- B Kit Option: 2 Piece 1" Manifold, 30lb. Press. Relief, Tridicator, & 1/2" Boiler Drain, LP Convertible

See Page 131 for Vent Instructions

Model	Description	Input MBtuH	Output MBtuH	AFUE %	"A"	"B"	"C"	"D"	Vent Size"	Water Content	Wgt. lbs.
G124X18 II	Intermittent Pilot Vent Damper	74	61.4	84.3	8 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>	15	5	2.5	225
G124X18 DI	Intermittent Pilot Induced Draft	74	61.4	85.0							
G124X25 II	Intermittent Pilot Vent Damper	103	85.5	84.2	5 <sup>1</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>2</sub>	5	3.0	280
G124X25 DI	Intermittent Pilot Induced Draft	103	85.5	84.2							
G124X32 II	Intermittent Pilot Vent Damper	132.5	110.0	84.8	1 <sup>3</sup> / <sub>4</sub>	9	5 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>2</sub>	6	3.5	335
G124X32 DI	Intermittent Pilot Induced Draft	132.5	110.0	84.8							

# Buderus

HYDRONIC SYSTEMS

## SB SERIES CONDENSING GAS BOILER BUDERUS



### Features:

- Up to 98% Efficiency
- Stainless Steel Firetubes for Long Life
- Three Pass Flue Design
- Uses conventional forced draft gas burners
- Simplified System Design: no need for dedicated boiler pumps, primary / secondary loops or bypasses. No min / max flow through the boiler. No limit on return water temperature.

Commercial Warranty:  
5 Years All Parts

Model	Input MBtuH	Output MBtuH	Size LxWxH	Vent Size	Connections			Water Content	Wgt
					Supply	Low Ret.	Hi Ret.		
50		158	42 <sup>3</sup> / <sub>4</sub> x32 <sup>1</sup> / <sub>4</sub> x49 <sup>1</sup> / <sub>2</sub>	6	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>		
70		222	42 <sup>3</sup> / <sub>4</sub> x32 <sup>1</sup> / <sub>4</sub> x49 <sup>1</sup> / <sub>2</sub>	6	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>		
90		286	42 <sup>3</sup> / <sub>4</sub> x32 <sup>1</sup> / <sub>4</sub> x49 <sup>1</sup> / <sub>2</sub>	7	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>		
115		367	42 <sup>3</sup> / <sub>4</sub> x32 <sup>1</sup> / <sub>4</sub> x49 <sup>1</sup> / <sub>2</sub>	7	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>		
145		463	68 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub> x54 <sup>1</sup> / <sub>4</sub>	7	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2		
185		591	68 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub> x54 <sup>1</sup> / <sub>4</sub>	7	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2		
240		766	68 <sup>3</sup> / <sub>4</sub> x38 <sup>1</sup> / <sub>4</sub> x55 <sup>1</sup> / <sub>2</sub>	8	3	3	2 <sup>1</sup> / <sub>2</sub>		
310		989	68 <sup>3</sup> / <sub>4</sub> x38 <sup>1</sup> / <sub>4</sub> x55 <sup>1</sup> / <sub>2</sub>	8	3	3	2 <sup>1</sup> / <sub>2</sub>		
400		1276	68 <sup>3</sup> / <sub>4</sub> x38 <sup>1</sup> / <sub>4</sub> x55 <sup>1</sup> / <sub>2</sub>	10	4	4	2 <sup>1</sup> / <sub>2</sub>		
510		1643	75 <sup>1</sup> / <sub>4</sub> x43 <sup>1</sup> / <sub>4</sub> x69 <sup>3</sup> / <sub>4</sub>	12	4	4	3		
640		2047	75 <sup>1</sup> / <sub>4</sub> x43 <sup>1</sup> / <sub>4</sub> x69 <sup>3</sup> / <sub>4</sub>	12	4	4	3		
790		2543	91 <sup>1</sup> / <sub>2</sub> x54x81 <sup>1</sup> / <sub>4</sub>	14	4	4	3		
970		3123	108 <sup>1</sup> / <sub>4</sub> x54x81 <sup>1</sup> / <sub>4</sub>	14	5	5	4		
1200		4069	108 <sup>1</sup> / <sub>4</sub> x54x81 <sup>1</sup> / <sub>4</sub>	14	5	5	4		

## G234X AND G334X SERIES GAS BOILER BUDERUS



Standard Equipment Includes :

- 30 lb. Pressure Relief, Boiler Drain, and Tridicator
- Approved for 2" Side Clearance
- G334X Includes 2 Stage Firing Capacity
- 3" Thermal Insulation for Minimal Standby Losses



Model	Description	Input MBtuH	DOE MBtuH	AFUE	"A"	"H"	Vent Size	Water Content	Wgt.
G234X38	Int. Pilot x/Vent Damper	160	130	84.3	25 <sup>3</sup> / <sub>4</sub>	38 <sup>1</sup> / <sub>2</sub>	7	6.1	487
G234X45		187	154	84.1	25 <sup>3</sup> / <sub>4</sub>	38 <sup>1</sup> / <sub>2</sub>	7	6.1	487
G234X55		228	188	84.8	29	38 <sup>1</sup> / <sub>2</sub>	7	7.1	562
G234X64		266	219	84.3	32 <sup>3</sup> / <sub>4</sub>	38 <sup>1</sup> / <sub>2</sub>	8	8.2	684
G334X73	Int. Pilot w/Optional Damper	301	249	83.5	34 <sup>3</sup> / <sub>4</sub>	40 <sup>3</sup> / <sub>4</sub>	8	9.2	758
G334X92		378	314	82.9	41 <sup>3</sup> / <sub>4</sub>	40 <sup>3</sup> / <sub>4</sub>	9	11.4	930
G334X116		476	396	83.8	48 <sup>3</sup> / <sub>4</sub>	40 <sup>3</sup> / <sub>4</sub>	10	13.5	1093
G334X132		542	451	83.2	56	40 <sup>3</sup> / <sub>4</sub>	10	15.6	1256

# Buderus

HYDRONIC SYSTEMS

## INDIRECT DHW TANK BUDERUS



### STANDARD FEATURES:

- 2" Of foam insulation to minimize standby losses
- Corrosion protection with thermoglaze® tank lining
- Easy access cover for cleaning of coil and tank interior
- Standard magnesium anode
- Horizontal tanks for small system foot print, vertical tanks for maximum recovery rate
- No aquastat included

Model	Contents Gal.	Dia.	Hgt.	Width	Depth	Gal. Hr. *	MBtU Hr.	Blr. GPM	Press. Drop Ft.	DHW Outlet	DHW Inlet	Blr. S&R	Wgt.
S120	32	20	37			155	114	8.8	6.5	3/4	3/4	1	158
ST150	40	27 1/4	33 3/4			152	149	17.6	4.3	1	1 1/4	1	250
ST200	53	27 1/4	42 1/4			199	149	17.6	4.3	1	1 1/4	1	286
ST300	79	27 1/4	57 3/4			290	218	22.0	8.4	1	1 1/4	1	371
ST400	106	32	73 3/4			250	252	26.4	11.4	1 1/4	1 1/4	1 1/4	410
SU500	198	39 1/2	86			330	384	22.0	11.7	1 1/4	1 1/4	1 1/4	827
L135	36		25 3/4	25 3/4	32	97	73	15.4	2.7	1	1 1/4	1	189
L160	42		25 3/4	25 3/4	36 1/4	124	93	15.4	3.1	1	1 1/4	1	220
L200	53		25 3/4	25 3/4	42 1/2	145	109	17.6	4.4	1	1 1/4	1	246
LT135	36		25 3/4	25 3/4	32	97	73	15.4	2.7	1	1 1/4	1	189
LT160	42		25 3/4	25 3/4	36 1/4	124	93	15.4	3.1	1	1 1/4	1	220
LT200	53		25 3/4	25 3/4	42 1/2	145	109	17.6	4.4	1	1 1/4	1	246
LT300	79		25 3/4	25 3/4	57 3/4	215	161	22.1	8.0	1	1 1/4	1	363

\*Continuous Second hour Rating. Boiler temp. 194°F. Inlet temp. 50°F, Outlet temp. 140°F

BOILERS & ACCESSORIES

## QUICK-FIT™ MIXING STATION BUDERUS

### Features:

- Allows side-by-side circulating pump stations for systems that combine high and low temperature heating
- Available in 2 and 3 station configurations



Part #	Description
450011	Quick-Mix Mixing Station
450012	Quick-Pump Circulator Station
450013	Quick-Header 2 Station Manifold
450014	Quick-Header 3 Station Manifold
TC-62	Outdoor Reset Control Motor



# Buderus

HYDRONIC SYSTEMS

## LOGAMATIC CONTROL R2107 BUDERUS

### STANDARD FUNCTIONS:

- Outdoor reset control
- Domestic hot water with priority and intelligent post-purging feature as well as circulation
- System on/off switch, programmable day/night setback
- Adjustable and high limit aquastats
- Outdoor boiler and DHW sensors included
- Condensate protection
- Pump exercising
- Freeze protection
- Manual override switch
- Automatic summer/winter changeover
- Vacation mode
- LCD display
- Self-diagnostics with error display
- Microprocessor based control for use with hydronic heating systems
- Uses indoor/outdoor sensors to maintain consistent room temperature
- Space heating, domestic water, and programmable setback from single source
- Suitable for use with any forced hot water applications including baseboard, panel radiators, hydro-air or radiant floor systems
- Optional plug-in modules include mixing valve control(FM241) for radiant floor systems and burner staging control for 2 stage or modulating burner(FM242), or a dual boiler system



### Module FM241 Mixing Control for Radiant Floor Applications

- Provides motorized controls (24V or 120V) for a 3 or 4 way mixing valve for low temperature applications
- Optional indoor sensor available
- Provides separate setback schedule for low temperature systems

### Module FM242 Firing Control for Dual Boiler/Two Stage Burners

- Burner staging on demand with dynamic burner differential
- Built in burner hour run meters
- Suitable for residential or commercial applications

## VITOROND OIL BOILER VISSMANN

### FEATURES:

- Eutectoplex heat exchanger surface
- Triple-pass design in sectional grey cast iron
- Stainless Steel combustion chamber
- Economical and Environmental, meets German "Blue Angel" and Swiss Clean Air standards
- Special flow control with return injector ensures uniform return
- Double groove cast iron sections system
- Spacious water walls prevent build-up of deposits and improper water flow, and provide low flow restriction.



### Vitorond

Vitorond	Input MBtuH	Output MBtuH	AFUE	L x W x H	Water Content	Supply and Return	Flue Size	Weight
VR2-18	77	67	86.8	33 <sup>1</sup> / <sub>2</sub> x19 <sup>3</sup> / <sub>4</sub> x38	7.1	1 <sup>1</sup> / <sub>2</sub>	5	317
VR2-22	91	80	86.7	39x19 <sup>3</sup> / <sub>4</sub> x38	9.2	1 <sup>1</sup> / <sub>2</sub>	5	401
VR2-27	105	92	86.8	44 <sup>1</sup> / <sub>4</sub> x19 <sup>3</sup> / <sub>4</sub> x38	11.6	1 <sup>1</sup> / <sub>2</sub>	5	485
VR2-33	140	122	86.8	44 <sup>1</sup> / <sub>4</sub> x19 <sup>3</sup> / <sub>4</sub> x38	11.6	1 <sup>1</sup> / <sub>2</sub>	5	485
VR2-40	161	140	86.6	36x22 <sup>1</sup> / <sub>2</sub> x44 <sup>1</sup> / <sub>2</sub>	12.7	1 <sup>1</sup> / <sub>2</sub>	6	564
VR2-50	196	172	86.7	41x22 <sup>1</sup> / <sub>2</sub> x44 <sup>1</sup> / <sub>2</sub>	16.1	2	6	694
VR2-63	245	215	86.6	46x22 <sup>1</sup> / <sub>2</sub> x44 <sup>1</sup> / <sub>2</sub>	19.3	2	7	822

## VITOLA 200 OIL / GAS BOILER VISSMANN

### FEATURES:

- Biferral design combines cast iron and steel and gives the system unparalleled efficiency and service life
- High operational reliability and long service life
- Clean combustion through optimized combustion chamber geometry
- Modulating boiler water temperature
- Highly serviceable
- 3-<sup>9</sup>/<sub>16</sub>" insulation blanket eliminates standby loss
- Trimatik digital indoor/outdoor control system
- Burner hood with acoustic lining for minimal operating noise



### Vitola

Vitola	Oil Input MBtuH	Oil Output MBtuH	Gas Input MBtuH	Gas Output MBtuH	AFUE			L x W x H	Water Content	Weight
					Oil	NG	LP			
VB2-18	83	63	90	75	87.1	84.5	86	43 <sup>3</sup> / <sub>4</sub> x25 <sup>1</sup> / <sub>2</sub> x32 <sup>3</sup> / <sub>4</sub>	18.5	381
VB2-22	107	80	116	97	87.2	84	85.8	46 <sup>1</sup> / <sub>2</sub> x26 <sup>1</sup> / <sub>2</sub> x33 <sup>1</sup> / <sub>2</sub>	23.2	434
VB2-33	135	80	146	122	87.2	84	85.8	52 <sup>3</sup> / <sub>4</sub> x27 <sup>3</sup> / <sub>4</sub> x34	31.2	542
VB2-40	170	128	185	154	87.3	84	85.8	53 <sup>1</sup> / <sub>2</sub> x30 <sup>1</sup> / <sub>2</sub> x37 <sup>1</sup> / <sub>2</sub>	37.0	697
VB2-50	219	164	238	198	87.4	83.9	85.7	58 <sup>1</sup> / <sub>2</sub> x30 <sup>1</sup> / <sub>2</sub> x38 <sup>1</sup> / <sub>2</sub>	52.6	866
VB2-63	219	224	300	249	87.1	83.9	85.7	63x30 <sup>1</sup> / <sub>2</sub> x38 <sup>1</sup> / <sub>2</sub>	59.0	941

VBC is also available with power gas burner.

BOILERS & ACCESSORIES

## VITODENS 200 GAS BOILER VISSMANN

**FEATURES:**

- Gas-fired condensing hot water heating boiler
- Modulating MatriX compact gas burner has low emissions
- Inox-Radial stainless steel heat exchanger surface
- AFUE up to 94%
- Low power consumption due to variable-speed DC Fan
- Indoor/outdoor controls, built-in and pre-wired
- Heating boiler 23 to 222MBtuH
- Sealed Combustion



**Vitodens 200**

Vitodens Model 200	NG Input MBtuH	NG Output MBtuH	LP Input MBtuH	LP Output MBtuH	Dimensions	AFUE	Water Content	Weight
WB2 6-24 Combi	25-91	22-81	25-81	22-73	16x19 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub>	94.2	1.1	159
WB2 6-24	25-91	22-81	25-81	22-73	16x19 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub>	94.2	1.1	143
WB2 8-32	37-148	33-112	37-112	33-101	21 <sup>1</sup> / <sub>4</sub> x23 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub>	94.1	1.2	165
WB2 11-44	37-148	49-153	55-155	49-138	21 <sup>1</sup> / <sub>4</sub> x23 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub>	94.0	3.1	198
WB2 15-60	37-148	71-205	80-214	71-191	21 <sup>1</sup> / <sub>4</sub> x23 <sup>3</sup> / <sub>4</sub> x35 <sup>1</sup> / <sub>2</sub>	94.0	3.1	198

## VITOTRONIC 200/300 BOILER CONTROLS VISSMANN

**FEATURES:**

- Indoor/outdoor weather-responsible boiler control unit
- Different programming levels
- Illuminated operating mode switches and heating circuit buttons
- Digital time switch with a day and week feature.
- Automatic sensor/system recognition
- Service interval display
- Fuel consumption display



**Vitotronic 100 KK5**



**Vitotronic 200 KW2**

**ACCESSORIES**

Controls and Valves Part Number	Description
7133.373	Vitotronic 100, KK5 Electronic boiler control for Hi Temp Heating Systems: Adjustable and High Limit
7133.374	Vitotronic 100, KK10 Electronic boiler control for HI Temp Systems: Adjustable and High Limit, Space Heating Circuit Switch, Power, Heat, and Burner/FHL Fault Indicator
7133.375	Vitotronic 100, KW10 Digital boilercontrol For HI Temp Systems: Adjustable and Fixed High Limit, Space Heating Circuit, Switch Power, Heat, and Burner/FHL Fault Indicator, Outdoor - System Reset
Z001.230	Vitotronic 200, KW2 For Multi Temp Systems: Digital Tracking of Day and Week, DHW Production Management, Integrated Diagnostics, Adjustable and Fixed High Limit, Test Switch, Power and Sensor/Burner Fault Indication, Quick-Connect Plug-In System
Z001.231	Vitotronic 300, KW3 For Multi Temp Systems: Digital Tracking of Day and Week, Programmable Time Periods, Heating Curves, Temperature Setpoints and Operating Programs, DHW Production Management, Integrated Diagnostics, Adjustable and Fixed High Limit, Test Switch, Power and Sensor/Burner Fault Indication, Quick-Connect Plug-In System

## VITOCCELL 300 INDIRECT STORAGE TANK VISSMANN

### FEATURES:

- All tanks are high alloy stainless steel
- Completely hygienic through high surface quality
- No sacrificial anode required for additional corrosion protection; therefore no anode replacement costs
- The entire water content is heated by a heat exchanger coil, which extends to the bottom of the tank
- Fast, uniform heating via sized heat exchanger surfaces
- Wrap-around insulation (HCFC-free) provides protection against stand-by losses
- Suitable for larger quantities of hot water, the vertical tanks are combined via headers to form tank batteries
- Vitocell 300 can work in conjunction with solar collectors and heating boilers



**Vitocell-V 300**

Model	Capacity	Recovery w/90° Rise	Domestic Sup/Ret	Heat Conn. Size	PT Size	Water Content	Dimensions	Weight
EVI-160	42	1.8	3/4	1	3/4	1.8	23 <sup>3</sup> / <sub>4</sub> x27 <sup>1</sup> / <sub>4</sub> x49 <sup>1</sup> / <sub>4</sub>	153
EVI-200	53	1.9	3/4	1	1	2.1	23 <sup>3</sup> / <sub>4</sub> x27 <sup>1</sup> / <sub>4</sub> x58	183
EVI-300	92	3.9	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	1	3.4	30 <sup>1</sup> / <sub>2</sub> x34 <sup>3</sup> / <sub>4</sub> x75	284
EVI-450	120	3.9	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	4.2	37x34 <sup>3</sup> / <sub>4</sub> x69	337
<b>Horizontal</b>								
EHA-160	42	1.8	3/4	1	3/4	1.8	48 <sup>1</sup> / <sub>2</sub> x25 <sup>1</sup> / <sub>4</sub> x26	168
EHA-200	53	1.9	3/4	1	1	2.1	48 <sup>1</sup> / <sub>2</sub> x25 <sup>1</sup> / <sub>4</sub> x26	185
EHA-300	92	3.9	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	1	3.4	62 <sup>3</sup> / <sub>4</sub> x32 <sup>3</sup> / <sub>4</sub> x31	379
EHA-450	120		1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	4.2	65x35 <sup>3</sup> / <sub>4</sub> x35	421

## VITOCCELL 100 INDIRECT STORAGE TANK VISSMANN

### FEATURES:

- Vitocell 100 Corrosion-protected ceraprotect two-coat enamel finish steel tank
- Heater coil extends to the bottom of the tank
- Standby loss minimized by wrap around insulation (HCFC-free)



**Vitocell-H 100**

Model	Capacity	Recovery w/90° Rise	Domestic Sup/Ret	Heat Conn. Size	PT Size	Water Content	Dimensions	Weight
<b>Vitocell - V 100</b>								
CVA-160	42	1.8	3/4	1	3/4	1.8	22 <sup>3</sup> / <sub>4</sub> x25 <sup>1</sup> / <sub>2</sub> x47	212
CVA-200	53	1.9	3/4	1	1	2.1	22 <sup>3</sup> / <sub>4</sub> x25 <sup>1</sup> / <sub>2</sub> x55 <sup>3</sup> / <sub>4</sub>	238
CVA-300	92	3.9	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	1	3.4	25 x27 <sup>3</sup> / <sub>4</sub> x69	233
CVA-450	120	3.9	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	4.2	29 <sup>1</sup> / <sub>2</sub> x27 <sup>3</sup> / <sub>4</sub> x69	481
<b>Vitocell - H 100</b>								
CHA-160	42	1.8	3/4	1	3/4	1.8	36 x 25 <sup>1</sup> / <sub>4</sub> x26	227
CHA-200	53	1.9	3/4	1	1	2.1	41 <sup>3</sup> / <sub>4</sub> x 25 <sup>1</sup> / <sub>4</sub> x26	256

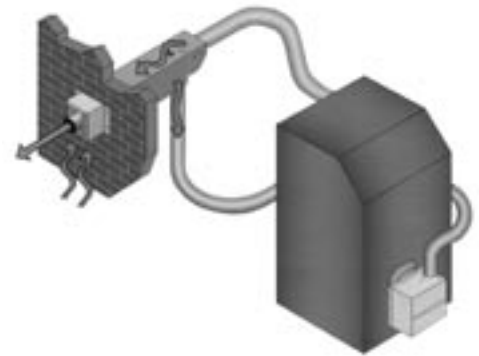


## ODYSSEY CAST IRON OIL BOILERS NTI



### Features:

- Up to 89 % operating efficiency
- Sentry 2100 microprocessor ensures precision operation
- Digital setpoint for unmatched operation
- Quick Service - Special features make boiler service fast and easy
- Traditional chimney or direct venting
- Low installation clearances
- Reliable 'cold start' operation
- Bi-lingual service staff
- Lifetime Warranty on heat exchanger



### Odyssey Series

### Available as DV Model

Odyssey Series Model	Input GPH	Output MBtuH	AFUE Efficiency	Supply & Return Size	Water Content	Dimensions HxDxW	Vent Size	Wgt.
CT-80	.65	78	86	1 1/4	3.6	30x17 1/2x15 1/2	5	240
CT-95	.75	89	85	1 1/4	3.6	30x17 1/2x15 1/2	5	240
CT-100	.86	101	85	1 1/4	3.6	30x17 1/2x15 1/2	5	240
CT-120	1.00	124	89	1 1/4	5.4	30x25 1/2x15 1/2	6	350
CT-150	1.25	152	87	1 1/4	5.4	30x25 1/2x15 1/2	6	350
CT-180	1.50	180	86	1 1/4	5.4	30x25 1/2x15 1/2	6	350
CT-215	1.75	215	88	1 1/4	7.3	30x33 1/2x15 1/2	6	468
CT-230	1.85	226	88	1 1/4	7.3	30x33 1/2x15 1/2	6	468
CT-250	2.00	245	88	1 1/4	7.3	30x33 1/2x15 1/2	6	468

## CAPRICE SERIES OIL FIRED BOILERS NTI



### Features:

- Up to 89 % operating efficiency
- Commercial & Industrial sizes to 733,000 BtuH available
- Domestic hot water flexibility
- Compact design. Range of sizes.
- Sentry 2100 microprocessor ensures precision operation
- Digital setpoint for unmatched operation
- Quick Service - Special features make boiler service fast and easy
- Traditional chimney or direct venting
- Low installation clearances
- Reliable 'cold start' operation
- Bi-lingual service staff
- Lifetime warranty on heat exchanger

### Caprice Series

Caprice Series Model	Input GPH	Output MBtuH	AFUE Efficiency	Supply & Return Size	Water Content	Dimensions HxDxW	Vent Size	Wgt.
C-85	.68	83	85.6	1 1/4	15	36x20x20	6	340
C-95	.75	93	87.0	1 1/4	15	36x20x20	6	340
C-105	.85	104	85.8	1 1/4	15	36x20x20	6	340
C-125	1.00	123	86.2	1 1/4	15	36x20x20	6	340
C-150	1.25	150	84.1	1 1/4	15	36x20x20	6	340
C-180	1.50	178	84.6	1 1/4	15	36x20x20	6	340



## TRINITY ULTRA-EFFICIENT GAS BOILER / WATER HEATER NTI



### Features:

- Up to 92% operating efficiency
- Sentry 2100 microprocessor ensures precision operation
- Heating or Heating/DHW models
- Digital setpoint for unmatched operation
- LP or natural gas installation
- Up to 5.5 Gallons per minute @ 110°F

- Withstands power dips and spikes
- Low installation clearances
- Wall mount saves space
- Bilingual service staff
- Built to last a lifetime

### Warranty

- Parts - 1 year
- Heat Exchanger - 10 years limited

### Trinity Gas Series

Trinity Model	Input MBtuH	Output MBtuH	AFUE Efficiency	Dimensions HxDxW	Supply&Return Size	Gas Line Size	Water Content	DHW Cap. GPM 70° Rise	Vent	Wgt.
T150	50-145	47.5-137.7	91.9	23x15x20 <sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub> NPT	<sup>1</sup> / <sub>2</sub>	2.3	3.9	ABS or PVC	80
T200	75-200	70.5-188	90.8	23x15x20 <sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub> NPT	<sup>1</sup> / <sub>2</sub>	3.1	5.1	ABS or PVC	80

## TRITON OIL FIRED BOILER / WATER HEATER NTI



### Features:

- Up to 89% operating efficiency
- Efficient dry base boiler
- Unique water baffle increases unit recovery rate
- 1 <sup>1</sup>/<sub>4</sub>" supply port recessed to eliminate air
- 1 <sup>1</sup>/<sub>4</sub>" baffled return eliminates short cycling

- High capacity heat exchanged coil provides ample inexpensive domestic hot water
- Compatible burners:
  - Riello, Beckett, and Aero
- Bi-lingual service staff
- Built to last a lifetime

### Triton Oil Series

Triton Series Model	Input GPH	Net Output MBtuH	AFUE Efficiency	Supply&Return Size	Water Content	Dimensions HxDxW	Vent	Wgt.
VS80	.65	70.2	86	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS90	.75	81	86	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS100	.85	95	89	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS120	1.00	109	87	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS130	1.10	120	87	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS150	1.25	135	86	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS160	1.35	145	86	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS180	1.50	156	83	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417
VS210	1.75	181	83	1 <sup>1</sup> / <sub>4</sub>	18	34x21x21	7	417

BOILERS & ACCESSORIES

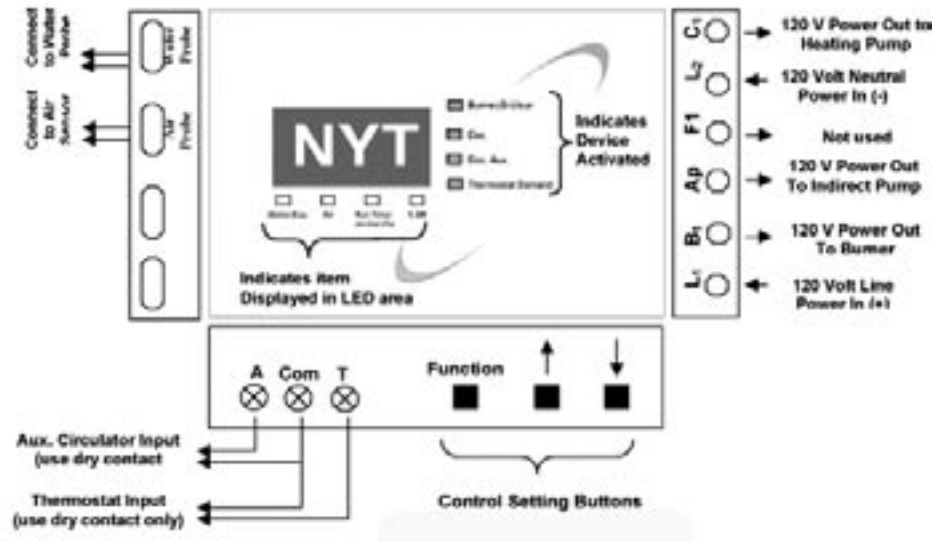


## SENTRY 2100 BOILER CONTROL NTI

### Features:

- Fully enclosed
- Multi-function LED display
- Operates boiler, heating pump, and indirect pump or valve
- Outdoor Sensor provided with automatic boiler temperature reset
- Exerciser operates pump 5 sec. every 72 hours
- Optional stack sensor for combustion efficiency
- Internal diagnostic system
- Monitors system run time

Standard on Trinity and Legacy models



## POOL-EX POOL HEATER NTI

### Features:

- 316L Stainless Steel
- Threaded NPT
- 7 Sizes 35-500 MBH

Model	Capacity MBtuH	Supply NPT	Hot Gpm	Cold Gpm	Dimensions LxWxH
PX-45	45	3/4	6.0	39.6	11 <sup>7</sup> / <sub>8</sub> x 6 <sup>1</sup> / <sub>8</sub> x 5 <sup>1</sup> / <sub>8</sub>
PX-70	70	3/4	6.6	45	15 <sup>7</sup> / <sub>8</sub> x 6 <sup>1</sup> / <sub>8</sub> x 5 <sup>1</sup> / <sub>8</sub>
PX-130	130	3/4	7.1	52.8	25 <sup>5</sup> / <sub>8</sub> x 6 <sup>1</sup> / <sub>8</sub> x 5 <sup>1</sup> / <sub>8</sub>
PX-180	180	1	7.9	55.5	15 <sup>1</sup> / <sub>8</sub> x 5 <sup>5</sup> / <sub>8</sub> x 4
PX-250	250	1	9.2	71.3	20 <sup>1</sup> / <sub>8</sub> x 5 <sup>5</sup> / <sub>8</sub> x 4
PX-300	300	1	10.5	79.2	25 <sup>3</sup> / <sub>8</sub> x 5 <sup>5</sup> / <sub>8</sub> x 4
PX-500	500	1	14.5	95.1	43 <sup>1</sup> / <sub>2</sub> x 5 <sup>5</sup> / <sub>8</sub> x 4





## CAST IRON OIL BOILERS SUPERIOR



**SB Water Series**

**Features:**

- High Seasonal Efficiency
- 2 Sided swinging burner door
- Hi capacity tankless coil or cold starting
- Extremely low draft loss
- Total wet base, Wet front heat exchanger
- Large cast iron push nipples
- Complete front Accessibility
- Circulator for top supply or rear return
- Lifetime limited casting warranty



**SB Steam Series**

**Features:**

- High Seasonal Efficiency
- 2 Sided swinging burner door
- Front tankless coil or External heat connection
- Extremely low draft loss
- Total wet base, Wet front heat exchanger
- Large cast iron push nipples
- Skimmer water level connection
- 10 Year limited casting warranty

**BOILERS & ACCESSORIES**

Model	Input GPH	DOE Heating Cap		Standing Pilot w/Damper		LxWxH	Sup&Ret Size	Supply Steam	Return Steam	Flue Size	Tankless Heater		Water Content Gallons	Wgt.	
		Water MBtuH	Steam SqFt	Water MBtuH	Steam AFUE						Water	Steam			GPM
SB-083	0.70	83	N/A	N/A	84.2	N/A	12 <sup>1</sup> / <sub>8</sub> x20 <sup>1</sup> / <sub>2</sub> x32 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	2	2or1 <sup>1</sup> / <sub>4</sub>	6	3.25	N/A	12	405
SB-121	1.00	121	379	121	85.1	84.4	15 <sup>1</sup> / <sub>2</sub> x20 <sup>1</sup> / <sub>2</sub> x32 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	2	2or1 <sup>1</sup> / <sub>4</sub>	6	3.50	3.00	14	490
SB-148	1.25	148	463	148	84.1	83.5	15 <sup>1</sup> / <sub>2</sub> x20 <sup>1</sup> / <sub>2</sub> x32 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	2	2or1 <sup>1</sup> / <sub>4</sub>	6	4.00	3.25	14	490
SB-196	1.65	196	613	196	84.0	83.4	18 <sup>7</sup> / <sub>8</sub> x20 <sup>1</sup> / <sub>2</sub> x32 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	2	2or1 <sup>1</sup> / <sub>4</sub>	6	4.50	3.75	16	575
SB-257	2.15	257	805	257	N/A	N/A	22 <sup>1</sup> / <sub>4</sub> x20 <sup>1</sup> / <sub>2</sub> x32 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>4</sub>	2	2or1 <sup>1</sup> / <sub>4</sub>	7	5.00	4.25	18	660

**CAST IRON OIL FIRED BOILER SOLAIA**



**Features:**

- Three pass wet base design
- GG20 Cast iron
- High efficiency to 88%
- Standard design temperature to 58 psi
- Superior serviceability with complete access to all flue passages.
- Left or right hinged front door is completely removable in tight installations.
- Direct vent capabilities
- Positive pressure fired vessel
- Energy star rating
- Limited Lifetime warranty



Model	Firing Rate #2 fuel	Riello Nozzle	Input MBtuH	DOE MBtuH	AFUE %	Dimension LxWxH	Vent Size	Water Content	Wgt.
SL375	0.75	.65-80B	105	91	85.5	19 <sup>1</sup> / <sub>4</sub> x17 <sup>3</sup> / <sub>4</sub> x28 <sup>7</sup> / <sub>8</sub>	6	3.6	300
SLD375	0.75	.65-80B	105	91	85.5	19 <sup>1</sup> / <sub>4</sub> x17 <sup>3</sup> / <sub>4</sub> x28 <sup>7</sup> / <sub>8</sub>	6	3.6	300
SL4100	1.00	.85-80B	140	122	86.5	22 <sup>3</sup> / <sub>4</sub> x17 <sup>3</sup> / <sub>4</sub> x28 <sup>7</sup> / <sub>8</sub>	6	4.3	350
SLD4100	1.00	.85-80B	140	122	86.5	22 <sup>3</sup> / <sub>4</sub> x17 <sup>3</sup> / <sub>4</sub> x28 <sup>7</sup> / <sub>8</sub>	6	4.3	350
SL5125	1.25	1.10-80B	175	153	86.9	26 <sup>1</sup> / <sub>4</sub> x17 <sup>3</sup> / <sub>4</sub> x28 <sup>7</sup> / <sub>8</sub>	6	5.1	390
SL6120	1.50	1.25-80B	210	184	86.9	26 <sup>1</sup> / <sub>4</sub> x17 <sup>3</sup> / <sub>4</sub> x28 <sup>7</sup> / <sub>8</sub>	6	5.8	430

## INDIRECT-FIRED WATER HEATERS AMTROL



**BoilerMate Premier**

**Premier Series Features:**

- 2 Inch CFC-free urethane foam insulation (less than 4°/hr. heat loss)
- Minimal boiler on/off cycling
- Reversible control panel for optional piping positions
- No energy-wasting center flue
- Stainless steel storage reservoir
- Indirect: the most effective means to heat water
- High output capabilities (to 140 MBtuH output)
- Removable heat exchanger

**WHS-60 Series BoilerMate™**

- 60 gallon storage-large households w/high water use requirements

**WHS-80 Series BoilerMate™**

- 80 gallon storage-high volume for whirlpools, high flow multiple showers

**WHS-120 Series BoilerMate™**

- 119 gallon storage: maximum volume for maximum delivery
- Available in multiple high output coil configurations

**\*Option Codes:** Z=electromechanical thermostat - DW=heat exchanger w/double wall tubing, vented to atmosphere IAPMO listed - C=commercial high output heat exchanger



**BoilerMate Classic**

**Classic Series Features:**

- 2 Inch CFC-free urethane foam insulation (less than 4°/hr. heat loss)
- Minimal boiler on/off cycling
- Deep drawn outer shell rated 150PSI has a two part appliance like finish
- No energy-wasting center flue
- Seamless inner polyethylene water reservoir; corrosion proof for longer life
- Available in 26-41 gallon sizes for most residential applications
- High output capabilities (to 140 MBtuH output)
- Removable heat exchanger, closed aquastat well and drain valve, tee and relief valve mounted on same side for convenience
- Rapid recovery (up to 40 Gals. in 12 minutes)

Model Number Premier	Cap. Gallons	Dimensions		1st. Hr. Rating 90° Rise*	Weight	Cold Water Inlet-NPTF	Hot Water Outlet-NPTF	Boiler Supply	Boiler Return
		H	W						
WHS-60	60	54	26	187	160	3/4	3/4	3/4 NPTM	3/4 NPTM
WHS-80	80	66	26	204	170	3/4	3/4	3/4 NPTM	3/4 NPTM
WHS-120	119	71	29 3/4	239	210	3/4	3/4	3/4 NPTM	3/4 NPTM
WHS-60ZC-DW	60	54	26	187	160	3/4	3/4	1 Union	1 Union
WHS-80ZC-DW	80	66	26	204	170	3/4	3/4	1 Union	1 Union
WHS-120ZC-DW	119	71	29 3/4	239	210	3/4	3/4	1 Union	1 Union
<b>Classic</b>									
WH-9L	26	36 1/2	22	156	90	3/4	3/4	3/4 NPTF	3/4 NPTF
WH-7L, WH7LP	41	48	22	170	134	3/4	3/4	3/4 NPTF	3/4 NPTF

\* Rating based on boiler output 100 MBtuH

BOILERS & ACCESSORIES

## EZ SERIES INDIRECT FIRED WATER HEATERS AMTROL



**Features:**

- All connections easy to access on the top of the tank
- High quality 2 coat enamel lining resistant to aggressive wear
- Energy efficient 1½" polyurethane foam insulation for minimal heat loss
- Available w/ electronic Smart Control(L) or dial aquastat(Z)
- High flow, low pressure drop, heat

exchanger for superior heat transfer and performance

- Maximum temperature 140° - max. working pressure 150 PSI

**Warranty:**

TD-7 Models: Two years warranty on parts, limited lifetime warranty on tank

TD-41 Models: Two years parts; 5 year tank warranty

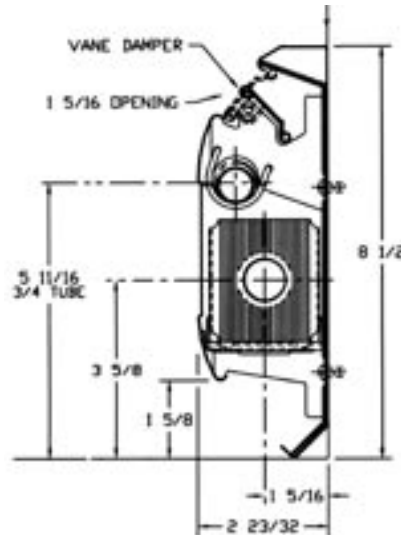
Model <sup>1</sup>	Boiler Output MBtuH	Cap. Gallons	Dimensions H W	1st. Hr. Rating GPH 90° Rise	Continous Flow GPH 70° rise	Cold Water Inlet-NPTF	Hot Water Outlet-NPTF	Boiler Supply	Boiler Return	Weight
TD	40	41	51 22	89	69	¾	¾	¾ NPTM	¾ NPTM	141
TD	60	41	51 22	116	104	¾	¾	¾ NPTM	¾ NPTM	141
TD	80	41	51 22	143	139	¾	¾	¾ NPTM	¾ NPTM	141
TD	100	41	51 22	170	173	¾	¾	¾ NPTM	¾ NPTM	141

<sup>1</sup>TD-7 Models lifetime tank warranty, TD-41 Models 5 year tank warranty; TD-\*L: Smart Control, TD-\*Z dial aquastat

## KOM-PAK BASEBOARD STERLING

KOM-PAK	GPM	140°	150°	160°	170°	180°	190°	200°	210°	215°
KP-3/4-50-2	1	340	400	460	530	590	660	720	780	820
BtuH/Ft	4	350	420	490	560	620	700	760	820	870

Part #	Description (White)
WJ-3AL	2 1/2 End Cap (to floor) Left Hand
WJ-3AR	2 1/2 End Cap (to floor) Left Hand
WJ-4L	6 End Camp (to Floor) Left Hand
WJ-4R	6 End Camp (to Floor) Left Hand
WJ-5	Inside Corner 90°
WJ-5B	Inside Corner 135°
WJ-6	Outside Corner 90°
WJ-6B	Outside Corner 135°
J-7	Bracket, Slide Shoe & Damper Carrier
WJ-8L	4 1/4 End Cap w/Hinged Access (to Floor) L.H.
WJ-8R	4 1/4 End Cap w/Hinged Access (to Floor) R.H.
WJ-8AL	4 1/4 End Cap (to Floor) L.H.
WJ-8AR	4 1/4 End Cap (to Floor) R.H.
WJ-9A	2 1/2 Trim Strip (to Floor)
WJ-9B	6 Trim Strip (to Floor)
WJ-9C	4 1/2 Trim Strip (to Floor)
J-11	Return Pipe Hanger (Above Element)
J-12	Damper Jointer Pin
WJ-16	14 Telescoping Fill in Section
WJ-17	Splice Plate (Std. 2 Piece)



**WJ-9**



**WJ-17**

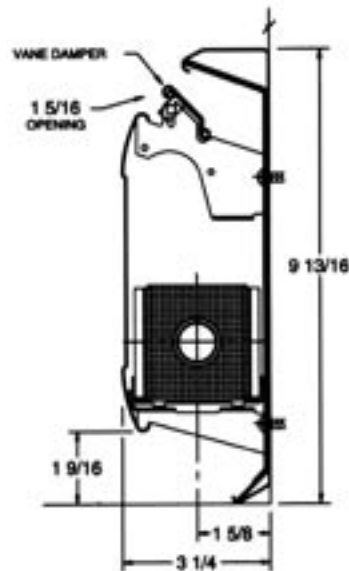


**WJ-5**

## SENIOR BASEBOARD STERLING

SENIOR High Capacity	GPM	150°	160°	170°	180°	190°	200°	210°	220°
SR-3/4-60, 3/4" Tube (Cu.)	1	470	550	640	720	810	890	970	1060
60 Fins (.11)/Ft.	4	500	580	680	740	860	940	1030	1120

Part #	Description (White)
WQ-3AL	2 1/2 End Cap (to floor) Left Hand
WQ-3AR	2 1/2 End Cap (to floor) Left Hand
WQ-4L	6 End Camp (to Floor) Left Hand
WQ-4R	6 End Camp (to Floor) Left Hand
WQ-5	Inside Corner 90°
WQ-5B	Inside Corner 135°
WQ-6	Outside Corner 90°
WQ-6B	Outside Corner 135°
Q-7S	Element Slide Shoe
Q-7D	Damper Carrier
WQ-7	Bracket, Slide Shoe & Damper Carrier
WQ-8L	6 End Cap w/Hinged Access (to Floor) L.H.
WQ-8R	6 End Cap w/Hinged Access (to Floor) R.H.
WQ-9A	2 1/2 Trim Strip (to Floor)
WQ-9B	6" Wall Trim
WQ-10	14 Fill In Section (Telescoping, One Piece)
WQ-11	Return Pipe Hanger (Above Element)
WQ-12	Damper Jointer
WQ-13	Adj. Hanger for Pipe Support (to Continue Element Piping)
WQ-14	Splice Plate (Std. 2 Piece)



**WQ-3A**



**WQ-8**



**WQ-6**