

# VIESMANN

# 1

Heating Systems ◀

Industrial Systems

Refrigeration Systems

## Price List 2021-2022

- Floor-Standing Boilers
- Wall-Mount Boilers
- Domestic Hot Water Tanks
- System Technology
- Solar Systems

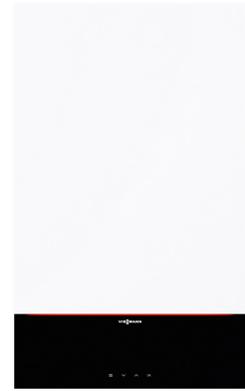
Effective June 1, 2021

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## NEW! Vitodens 100-W

Gas-Fired stainless steel  
condensing boiler



Single boiler (heating only)											
Model	MBH Input Range <sup>1</sup>	MBH Output Range <sup>2</sup>	Efficiency (A.F.U.E)	Air Supply Connection <sup>3</sup> in (mm)	Gas Supply Connection (in)	Supply/Return Connection (in)	Shipping Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
B1HE-85	8.5-85	8-80	95%	3 / 5 (80/125)	3/4	3/4	143	19 3/4	17 3/4	33 3/4	7722 772 3,954.-
B1HE-120	12-120	11-113	95%	3 / 5 (80/125)	3/4	3/4	143	19 3/4	17 3/4	33 3/4	7722 773 4,020.-
B1HE-150	15.5-150	14-141	95%	3 / 5 (80/125)	3/4	1	218	21 3/4	17 3/4	39	7722 774 4,335.-
B1HE-199	19.9-199	18.5-187	95%	3 / 5 (80/125)	3/4	1	218	21 3/4	17 3/4	39	7722 775 4,774.-

Single boiler (combi)											
Model	MBH Input Range <sup>1</sup>	MBH Output Range <sup>2</sup>	Efficiency (A.F.U.E)	Air Supply Connection <sup>3</sup> in (mm)	Gas Supply Connection (in)	Supply/Return Connection (in)	Shipping Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
B1KE-120	12-120	11-113	95	3 / 5 (80/125)	3/4	3/4	110	19 3/4	17 3/4	33 3/4	7722 776 4,466.-
B1KE-199	19.9-199	18.5-187	95	3 / 5 (80/125)	3/4	1	190	21 3/4	17 3/4	39	7722 777 5,213.-

1 Input based on CSA rating for natural gas (NG). See Technical Data Manual for LPG rated inputs.

2 Output based on 140°F (60°C), 120°F (49°C) system supply / return temperature.

3 Single / Coaxial outer. Vitodens 100-W B1HE and B1KE boilers are suitable for operation with a balanced flue. Please use a certified Category IV vent system of PP(s), stainless steel, or CPVC.

Vitodens 100-W B1HE/B1KE Boiler Accessories											Part Number & Price
<b>Boiler Stand for Vitodens 100-W B1HE/B1KE</b>											<b>COMING SOON!</b>
<b>Model 80/60 Low-Loss Header with Insulation</b> to decouple high flow rate systems from the boiler loop. Max Flow Rate: 19.5 USGPM											7498 529 377.-
<b>Model 120/80 Low-Loss Header with Insulation</b> to decouple high flow rate systems from the boiler loop. Max Flow Rate: 35 USGPM											7498 530 564.-
<b>Neutralization Unit (&lt; 300 MBH)</b> To neutralize acidic condensate, includes granular neutralization pellets											7740 946 93.-
<b>Neutralization Unit (300-6,000 MBH)</b> To neutralize acidic condensate, includes granular neutralization pellets											7740 947 315.-
<b>Neutralization Granulate</b> Package of 2lbs											7740 948 26.-
<b>Neutralization Granulate</b> Bin of 31.5 lbs											7740 949 103.-

 Internet Capable

 **ViCare App**  
Mobile operation of the heating system for heating and DHW.

 **Vitoguide App**  
Vitoguide Mobile is a portable commissioning, guided spare parts replacement, and handheld service tool that can be downloaded on IOS and Android operating systems.

See Digital Services (pg. 36) for more information on the Viessmann ViCare and Vitoguide Applications.

### B1HE/B1KE Standard Boiler Equipment Includes:

Wall-mount boiler and installation fittings c/w 30 psig relief valve

- Pressure gauge
- Two fill/drain valves
- Outdoor temperature sensor
- Tank temperature sensor
- All mounting hardware
- Boiler standard working pressure: 30 psig; max 45 psig
- Plate type heat exchanger (B1KE Only)
- DHW 150 psig PRV (B1KE Only)

### Notes:

The Vitodens 100-W B1HE/B1KE boilers offer push-button fuel conversion, true high-altitude operation up to 10,000 ft., and a large modulation range of up to 1:10.

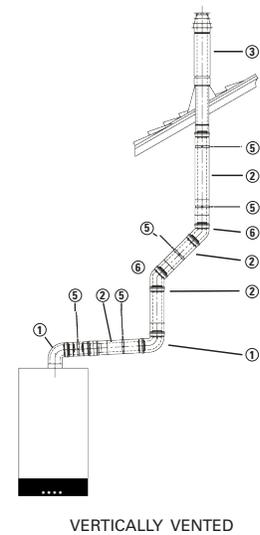
All Vitodens 100-W B1HE/B1KE boilers are Low NOx. Boiler standard working pressure: 30 psig; max 45 psig.

# Vitodens 100-W

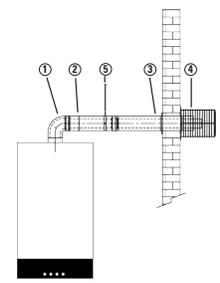
Gas-Fired stainless steel  
condensing boiler

Vitodens 100-W Venting				
	Vent Diameter	2/4 in (60/100 mm)	3/5 in (80/125 mm)	4/6 in (110/160 mm)
Coaxial Venting Maximum Equivalent Length (EqL):	B1HA / B1KA	82 ft	98 ft	118 ft
	B1HE / B1KE 85-120	43 ft <sup>1</sup>	98 ft	118 ft
	B1HE / B1KE 150-199	N/A	33 ft	43 ft
Two-Pipe Direct Venting, Horizontal Maximum Equivalent Length (EqL):	B1HA / B1KA	98 ft	164 ft	200 ft
	B1HE 85-120, B1KE 120	41 ft <sup>1</sup>	164 ft	198 ft
	B1HE 150-199, B1KE 199	N/A	98 ft	148 ft
Two-Pipe Direct Venting, Vertical Maximum Equivalent Length (EqL):	B1HA / B1KA	98 ft	164 ft	200 ft
	B1HE / B1KE 85-120	41 ft <sup>1</sup>	164 ft	198 ft
	B1HE / B1KE 150-199	N/A	98 ft	148 ft
<b>Basic Horizontal Vent Kit</b> Includes 90° elbow, straight pipe, vent termination, protective screen, and 2 mounting clips.		7571783 266.-	7571784 306.-	7571785 513.-
<b>Coaxial increaser</b> 2/4 in (60/100 mm) to 3/5 in (80/125 mm)		N/A	7664 161 60.-	N/A
<b>Coaxial increaser,</b> 2/4 in (60/100 mm) to 4/6 in (110/160 mm)		N/A	N/A	7664 162 147.-
① <b>90° elbow</b> EqL = 1.6 ft / 0.5 m		7664 143 34.-	7664 144 57.-	7664 145 83.-
② <b>Straight Pipe</b> 3.3 ft / 1m		7664 140 39.-	7664 141 49.-	7664 142 80.-
	Straight Pipe 1.6 ft / 0.5m	7664 137 29.-	7664 138 34.-	7664 139 63.-
③ <b>Vent Termination</b> (for Horizontally vented boilers only) 2.6 ft / 0.8 m		7664 149 77.-	7664 150 85.-	7664 151 146.-
	<b>Vent Termination</b> (for vertically vented boilers only) 3.9 ft / 0.8 m	7664 152 96.-	7664 153 98.-	7718 977 238.-
④ <b>Protective Screen</b> Side wall venting must include Viessmann protective screen		7725 656 99.-	7725 656 99.-	7725 656 99.-
⑤ <b>Mounting Clip</b> Order 1 mounting clip per piece of straight pipe installed		7664 158 12.-	7664 159 13.-	7664 160 16.-
⑥ <b>45° elbow (Set of 2)</b> EqL= 1.0 ft / 0.3m		7664 146 53.-	7664 147 61.-	7664 148 122.-
⑦ <b>Roof Flashing and Storm Collar</b> (B- vent material or better)		Field Supplied	Field Supplied	Field Supplied
<b>Adapter, CPVC 60 mm to 2"</b>		7134 769 11.-	N/A	N/A
<b>Reducer Bushing, 3/5 in (80/125 mm) to 2/4 in (60/100 mm)</b> <b>Required for Vitodens 100-W B1HE/B1KE 85-120 ONLY</b>		Field Supplied <sup>1</sup>	N/A	N/A

For detailed venting information, please refer to the Rigid and Flex Pipe Venting Systems Installation Instructions.  
1 Requires 3/5 in (80/125 mm) to 2/4 in (60/100 mm) reducer, field supplied. Recommend suppliers and components COMING SOON.



VERTICALLY VENTED



HORIZONTALLY VENTED

**Recommended Reducer Bushings and Adapters for 2 in venting for the Vitodens 200-W B2HE:**

**COMING SOON!**

Alternative Venting Types	B1HE/B1KE	B1HA 94 and 125 and B1KA-125
Coaxial and Two-Pipe Direct Venting	See chart above	See chart above
Rigid and Flexible PP(s) <sup>1</sup> For combustion air intake <sup>4</sup> and flue gas outlet	N/A	Field Supply 2x 60mm to 2" PPS adapter
CPVC <sup>2</sup> For combustion air intake <sup>4</sup> and flue gas outlet	2x 7134 770 24.-	2x 7134 769 11.-
Stainless Steel <sup>3</sup> For Flue Gas Outlet only	Field Supply 1x 80mm to 3" adapter	Field Supply 1x 60mm to 2" adapter

1 Coaxial and PP(s) vent material must be ULC S-636 certified for Category IV boilers.  
Do not mix non- ULC S-636 with ULC S-636 venting. Suggested source: Centrotherm or M&G Duravent.  
2 CPVC vent material must be ULC/UL listed for Category IV boilers. Suggested Source: IPEX Inc.  
3 Stainless Steel vent material must be ULC/UL listed for Category IV boilers. Suggested sources: Z-Flex (US) Inc., Heat-fab, M&G Duravent, or Security Chimneys International.  
4 Combustion air supply pipe may be made of the following materials: PP(s), ABS, CPVC, or PVC.  
Always follow the installation instructions of the vent manufacturer and of Viessmann.

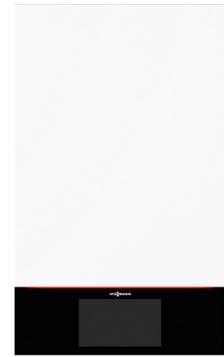
<b>Vitodens 100-W B1HA/B1KA Boiler Accessories</b>	<b>Part Number &amp; Price</b>
<b>Model 80/60 Low-Loss Header with Insulation</b> to decouple high flow rate systems from the boiler loop. Max Flow Rate: 19.5 USGPM	7498 529 377.-
<b>Model 120/80 Low-Loss Header with Insulation</b> to decouple high flow rate systems from the boiler loop. Max Flow Rate: 35 USGPM	7498 530 564.-
<b>Circulation Pump (UPS 15-58FC)</b> Grundfos 3-speed, flanged housing circulation pump, 115V Boiler delta T: 40°F	9560 860 294.-
<b>Flange Set 1 <sup>1/4</sup></b> (Others available, please inquire)	9544 425 40.-
<b>Neutralization Unit (&lt; 300 MBH)</b> Compatible with B1HA-94 and 125 and B1KA-125 only to neutralize acidic condensate, includes granular neutralization pellets	7740 946 93.-
<b>Neutralization Pellets</b> For use with 7740 946. Package of 2 lbs	7740 948 26.-
<b>Service Tool Set</b> For use with Vitodens 100-W B1HA/B1KA boilers only	9537 070 336.-
<b>Cleaning Kit</b> For use with Vitodens 100-W B1HA/B1KA boilers only	7858 492 55.-
<b>Power Conditioner, M4LT-EX</b>	9689 104 213.-

<b>Vitodens 100 B1HA-B1KA Common Service Parts</b>			
<b>Part Number</b>	<b>Description</b>	<b>QTY</b>	<b>List Price (USD)</b>
ZK03503	Spare Parts Kit B1HA-B1KA (includes all parts below)	1	2,954.-
7828750	Air Vent (Caleffi) CPK / B2Tx	2	63.-
7836177	Burner Gasket, 187x5.5mm WB/B2xx 19-35	2	34.-
7856004	Circ Pump Head (GF) UPS15-78 B1KA	1	273.-
7866187	Control Console B1HA / B1KA	1	706.-
7828749	Flow Sensor CPK	1	138.-
7855594	Gas Valve GB-ND 055 E01 B1HA/B1KA	1	346.-
7826514	Gasket (Burner Tube) WBxx/B2xx	1	13.-
7826471	Gasket (Flue Gas), DN60 WBxB/B1/B2xx Sm.	1	10.-
7829796	Gasket (Radial Fan) WBxB	1	15.-
7831673	Gaskets NG/LP (Set of 5) WBxB / B2Hx	1	24.-
7828718	Ignition+Ionization Electrode Block WB1B	2	72.-
7856000	Insulating Ring B1HA/B1KA	1	64.-
7830016	Insulation Block WBxB / B2xA-19/26/35	1	63.-
7856003	Press. Gage (PSI) B1HA/B1KA	1	46.-
7855596	Radial Fan NRG118 B1HA/B1KA	1	346.-
7837053	Sensor #1 (outdoor, NTC)	1	183.-
7856088	Sensor #15 (Flue Gas) WBxB / B2xB / CU3A	1	46.-
7819967	Sensor #3 (Boiler) WB / CPK	2	93.-
7179114	Sensor #5 (DHW, Immersion NTC)	1	160.-

<b>Vitodens 100 WB1A Common Service Parts</b>			
Part Number	Description	QTY	List Price (USD)
ZK03510	Spare Parts Kit WB1A (includes all parts below)	1	1,669.-
7824453	Air Pressure Switch 220/150 Pa WB1A	1	99.-
7819971	Air Vent, G3/8" WBxx / B2Hx	2	32.-
7836177	Burner Gasket, 187x5.5mm WB/B2xx 19-35	1	34.-
7822784	Burner Tube Gasket WB1A	2	21.-
7827846	Comb. Chbr. Refr. Front Ring WB1A	1	75.-
7827843	Comb. Chbr. Refr. Rear Block WB1A	1	64.-
7817497	Fastener Set (Each, f Sensors) WB1A	1	9.-
7826221	Fastener Set (Return Pipe) WB / B	1	49.-
7826222	Fastener Set (Supply Pipe 32x2mm) WB1A	1	9.-
7826223	Fastener Set, 10mm WB1A	1	14.-
7825490	Fixed High Limit, 99°C WB / B2	1	85.-
7374870	Flapper (air/fuel) WB1A	1	38.-
7826314	Flow Switch VK315M WB1A/B WB2B-19/26/35	1	82.-
7822670	Flue Gasket, 100mm WB1A	1	20.-
7828617	Flue Gasket, 60mm WB1A	1	15.-
7404364	Fuse, T4.0A/250V (Pkg of 10)	1	21.-
7373113	Gas Valve VK4115V, 120/1/60 WB1A	1	396.-
7826216	Gasket Set (10x2mm) WB1A / B2Tx	1	9.-
7823846	Gasket Set (Flue Gas) WB1A	1	14.-
7826218	Gasket Set (P-Trap 19x2mm) WB1A	1	9.-
7826217	Gasket Set A17x24x2 (Set of 5) WBxx/B2xx	1	8.-
7823837	Ign./ionization Electrode w. lead WB1A	2	63.-
7817909	Locking Clip Set (Return) WB1A	1	35.-
7826214	O-Ring Set (Heat Exchanger 21x3) B2xx Sm	1	9.-
7826215	O-Ring Set (Supply/Return 18x3) B2xx Sm.	1	10.-
7826220	Sealing Grommet WB1A	1	14.-
7826219	Sealing Grommet Set WB1A	1	46.-
7819967	Sensor #3 (Boiler) WB / CPK	2	93.-
7828530	Water Pressure Sensor WB1A	1	87.-

Vitodens 100 WB1B Common Service Parts			
Part Number	Description	QTY	List Price (USD)
ZK03504	Spare Parts Kit WB1B (includes all parts below)	1	1,524.-
7819971	Air Vent, G3/8" WBxx/B2HA	2	32.-
7836177	Burner Gasket, 187x5.5mm	2	34.-
7828716	Comb. Ch. Dr. Refr. WB1B	1	73.-
7459304	Conv. Kit NG > LP WB1Bc	1	18.-
7826314	Flow Switch VK315M WB1A/B WB2B-19/26/35	2	82.-
7404364	Fuse, T4.0A/250V (Pkg of 10)	1	21.-
7404365	Fuse, T6.3A/250V (Set of 10)	1	18.-
7439313	Gas Valve/Venturi Assly 120/1/60 WB1B	1	475.-
7826514	Gasket (Burner Tube) WBxx/B2xx	1	13.-
7829796	Gasket (Radial Fan) WBxB	1	15.-
7831382	Gasket Set (Gas Vlv/Venturi Assly) WB1B	1	56.-
7826217	Gasket Set A17x24x2 (Set of 5) WBxx/B2xx	1	10.-
7829792	Grounding Wire, Ign. Electrode WB1B	1	9.-
7828718	Ignition+Ionization Electrode Block WB1B	2	72.-
7830016	Insulation Block WBxB / B2xA-19/26/35	1	63.-
7826214	O-Ring Set (Heat Exchanger 21x3) B2xx Sm	1	9.-
7826215	O-Ring Set (Supply/Return 18x3) B2xx Sm.	1	10.-
7856088	Sensor #15 (Flue Gas) WBxB / B2xB / CU3A	1	46.-
7819967	Sensor #3 (Boiler) WB / CPK	2	93.-
9649407	Sensor (Outdoor, Tasseron), NTC 5K WB1B	1	67.-

**NEW! Vitodens 200-W**  
Gas-Fired stainless steel  
condensing boiler



Vitodens 200-W B2HE Single boiler (wall hung)											
Model	MBH Input Range	MBH Output Range	Efficiency (A.F.U.E.)	Vent Size <sup>1</sup> in (mm)	Gas Valve Connection (in)	Supply/Return Connection (in)	Shipping Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
B2HE-85	8.5-85	8-80	95%	3 / 5 (80/125)	3/4	3/4	143	19 3/4	17 3/4	33 3/4	7722 778 4,230.-
B2HE-120	8.5-120	8-113	95%	3 / 5 (80/125)	3/4	3/4	143	19 3/4	17 3/4	33 3/4	7722 779 4,373.-
B2HE-150	14-150	13-141	95%	3 / 5 (80/125)	3/4	1	218	21 3/4	17 3/4	39	7722 780 4,759.-
B2HE-199	14-199	13-187	95%	3 / 5 (80/125)	3/4	1	218	21 3/4	17 3/4	39	7722 781 6,453.-

<sup>1</sup> Vitodens 200-W B2HE boilers are suitable for operation with a balanced flue. Please use a certified Category IV vent system of PP(s), stainless steel, or CPVC.

Vitodens 200-W B2HE Compatible Low Loss Headers				
Model	B2HE-85	B2HE-120	B2HE-150	B2HE-199
Part Number and Price	7498 529 377.-	7498 529 377.-	7498 529 377.-	7498 529 377.-

Vitodens 200-W B2HE Boiler Accessories	Part Number & Price
<b>Boiler Stand for Vitodens 200-W B2HE</b>	<b>COMING SOON!</b>
<b>Model 80/60 Low-Loss Header with Insulation</b> to decouple high flow rate systems from the boiler loop. Max Flow Rate: 19.5 USGPM	7498 529 377.-
<b>Model 120/80 Low-Loss Header with Insulation</b> to decouple high flow rate systems from the boiler loop. Max Flow Rate: 35 USGPM	7498 530 564.-
<b>Neutralization Unit (&lt; 300 MBH)</b> To neutralize acidic condensate, includes granular neutralization pellets	7740 946 93.-
<b>Neutralization Unit (300-6,000 MBH)</b> To neutralize acidic condensate, includes granular neutralization pellets	7740 947 315.-
<b>Neutralization Granulate</b> Package of 2lbs	7740 948 26.-
<b>Neutralization Granulate</b> Bin of 31.5 lbs	7740 949 103.-
<b>Vitotrol 200-E</b>	<b>COMING SOON!</b>
<b>Room temperature sensor (NTC 10 kOhm)</b> In an enclosure for wall mounting. To supplement the Vitotrol 200-E if the Vitotrol 200-E cannot be sited in a suitable location to capture the room temperature.	7438 537 145.-
<b>Immersion temperature sensor (for low loss header)</b> With connecting lead and plug. To capture the low loss header temperature.	7179 488 160.-

Internet Capable

**ViCare App**  
Mobile operation of the heating system for heating and DHW.

**Vitoguide App**  
Vitoguide Mobile is a portable commissioning, guided spare parts replacement, and handheld service tool that can be downloaded on IOS and Android operating systems.

See Digital Services (pg. 36) for more information on the Viessmann ViCare and Vitoguide Applications.

**B2HE Standard Boiler Equipment Includes:**

Wall-mount boiler and installation fittings c/w 30 psig relief valve

- Pressure gauge
- Two fill/drain valves
- Outdoor temperature sensor
- Tank temperature sensor
- All mounting hardware
- Boiler standard working pressure: 30 psig; max 45 psig

**Notes:**

The Vitodens 200-W B2HE boiler offer push-button fuel conversion, a 7 in. color touch display, true high-altitude operation up to 10,000 ft., and a large modulation range of up to 1:14.

All Vitodens 100-W B1HE/B1KE boilers are Low NOx. Boiler standard working pressure: 30 psig; max 45 psig.

Vitodens 200-W B2HE Boiler Accessories	Part Number & Price
ADIO Extension Modul: EM-P1	COMING SOON!
ADIO Extension Modul: EM-M1	COMING SOON!
ADIO Extension Modul: EM-S1	COMING SOON!
DIO Extension Modul: EM-EA1	COMING SOON!
Wago Modbus/TCP-Gateway	COMING SOON!
Wago Modbus/RTU-Gateway	COMING SOON!
Wago BACnet/IP-Gateway	COMING SOON!
BACnet/MSTP-Gateway	COMING SOON!
MSTP Router	COMING SOON!
<b>CAN-Bus Cable</b> 23 ft (7m). Cable to connect the WAGO gateway to the heat generator.	COMING SOON!

## Vitodens 200-W

Gas-Fired stainless steel  
condensing boiler



### B2HA / B2HB Standard Boiler Equipment Includes:

- Wall-mount boiler and installation fittings c/w 30 psig relief valve (B2HA-399 and 530: 80psig)
- Pressure gauge
- Gas shut-off valve
- Two fill/drain valves
- All mounting hardware
- Supplied analog temp gauge
- LP conversion kit
- Double pipe adapter for B2HA 285-530
- Low NOx Coding Plug for Low NOx applications only
- LLH and DHW Sensors



Internet Capable when used with Vitoconnect



**ViCare App**  
Mobile operation of the heating system for heating and DHW.



**Vitoguide App**  
Vitoguide Mobile is a portable commissioning, guided spare parts replacement, and handheld service tool that can be downloaded on IOS and Android operating systems.

See Digital Services (pg. 36) for more information on the Viessmann ViCare and Vitoguide Applications.

### Optional Equipment:

For 30 psig PRV:  
9542 940 \$28.-  
For 45 psig PRV:  
9549 944 \$46.-  
For 60 psig PRV:  
9560 183 \$46.-

### Notes:

Boiler standard working pressure is 30 psig up to B2HA 352 and 80 psig for B2HA 399/530. Boiler is suitable for operation with a balanced flue. Please use a certified Category IV vent system of PP(s), stainless steel, or CPVC.

Vitodens 200-W B2HA Single boiler (wall hung)											
Model	MBH Input Range	MBH Output Range	Efficiency (A.F.U.E.) or Thermal <sup>1</sup>	Vent Size in (mm)	Gas Valve Connection (in)	Supply/Return Connection (in)	Shipping Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
B2HA-285	71-285	65-260	92%	4 / 6 (110/150)	1	1½	194	21	19	43½	B2HAH12 8,185.-
B2HA-311	71-311	67-294	94%	4 / 6 (110/150)	1	1½	194	21	19	43½	B2HAH13 8,525.-
B2HA-352	71-352	67-333	93.5%	4 / 6 (110/150)	1	1½	194	21	19	43½	B2HAH14 9,083.-
B2HA-399	113-399	103-375	93%	4 / 6 (110/150)	1	2	298	27	23%	44½	B2HAA94 10,293.-
B2HA-530	113-530	103-495	92.5%	4 / 6 (110/150)	1	2	298	27	23%	44½	B2HAA95 12,227.-

<sup>1</sup> Thermal Efficiency is the standard for all boilers B2HA-311 and up

Vitodens 200-W B2HA Low NOx Models <sup>1</sup>					
Model	B2HA-285	B2HA-311	B2HA-352	B2HA-399	B2HA-530
Low NOx Part Number & Price	B2HAN29 8,193.-	B2HAN30 8,533.-	B2HAN31 9,091.-	B2HAN32 10,294.-	B2HAN33 12,227.-

<sup>1</sup> All NEW Vitodens 200-W B2HE boilers are Low NOx.

Vitodens 200-W B2HA Compatible Low Loss Headers					
Model	B2HA-285	B2HA-311	B2HA-352	B2HA-399	B2HA-530
Part Number and Price	7498 530 564.-	7498 530 564.-	7498 530 564.-	7498 530 564.-	7498 530 564.-

Viessmann 3- way Mixing Valves					
	¾"	1"	1¼"	1½"	2"
	7134 742 366.-	7134 743 389.-	7134 744 438.-	7134 745 490.-	7134 746 578.-
<b>Vitogate 300, BN/MB Series</b> compact wall-mount unit 120V/ 60Hz, 1A, with 6.5 ft. cord and 120V pkg W 6" H 8" D 8"					7559 706 1,791.-
<b>LON Connecting Cable</b> , 23 ft. for data exchange between controls					7143 495 70.-
<b>LON Extension Jack</b> to extend LON connecting cable					7143 496 60.-
<b>LON Connecting Terminal (RJ, 2 pieces)</b> to connect to field cabling via wall-mounted boxes					7171 784 115.-
<b>LON Terminal Resistor (2 pieces)</b> To terminate the system BUS, a resistor must be installed on each free end					7143 497 20.-
<b>LON Communication Module</b> electronic circuit board enabling data communication via Viessmann LON system BUS. For installation inside Vitodens 200-W.					7179 113 421.-
<b>LON Communication Module</b> Standard equipment-included with boiler electronic circuit board enabling data communication via Viessmann LON system BUS. For installation inside a Vitotronic 300-K MW2C					7172 174 423.-
<b>KMK Communication Module</b> Electronic circuit board enabling data communication via Viessmann KMK system BUS between Vitotronic 300-K and Vitodens 200-W. Order 1 per Vitodens 200-W boiler.					7441 586 177.-

<b>Vitodens 200-W B2HA/B2HB Boiler Accessories</b>	<b>Part Number &amp; Price</b>
<b>Boiler Stand for B2HB 94-199 and B2HA 285-352</b> Compatible with Vitodens 200 B2HB 94, 125, 160, 199, and B2HA 285, 311, or 352 only	7560 569 540.-
<b>Boiler Stand for B2HA 399-530</b> Compatible with Vitodens 200 B2HA 399 or 530 only	7658 026 870.-
<b>Circulation Pump (UPS 15-58) <sup>1</sup></b> Compatible with B2HB 94, or 125 Grundfos 3-speed, flanged housing circulation pump, 115V. Boiler Delta T: 40° F	9560 860 294.-
<b>Circulation Pump (UPS 26-99) <sup>1</sup></b> Compatible with B2HB 160 or 199 or B2HA 285, 311, or 352 Grundfos 3-speed, flanged housing circulation pump, 115V. Boiler Delta T: 40° F	7248 585 432.-
<b>Circulation Pump (UPS 26-150) <sup>1</sup></b> Compatible with B2HA 399 or 530 Grundfos 3-speed, flanged housing circulation pump, 115V. Boiler Delta T: 40° F	7441 596 695.-
<b>Flange Set, 1¼" for circulation pumps</b> Works with Grundfos UPS 15-58, UPS 26-99, or UPS 26-150	9544 425 40.-
<b>Circulation Pump Taco 0015 (115/60/1) <sup>1</sup></b> Compatible with B2HB 94, and 125	7663 916 157.-
<b>Circulation Pump Taco 0013 (115/60/1) <sup>1</sup></b> Compatible with B2HB 160 or 199 or B2HA 285, 311, or 352	7663 914 489.-
<b>Circulation Pump Taco 2400 (single speed) <sup>1</sup></b> Compatible with B2HA 399 or 530	7663 915 554.-
<b>Vitoconnect 100 OPTO2</b> To connect Vitodens 200, 222, and Vitocrossal CU3A boilers to WiFi for use with ViCare App	7745 434 495.-
<b>Vitotronic 300-K, MW2C Series<sup>2</sup></b> ColorTouch Screen wall-mounted, digital indoor/outdoor master boiler and heating system control for up to 8 Vitodens 200-W boilers. Includes DHW sensor and strap-on supply sensor for low-loss header (NTC 10 kOhm), as well as electric circuit board for the 2. and 3. heating circuit with mixing valve. Capable of communication with Vitodens 200-W via KM-BUS protocol. Also capable of communication with Vitotronic 200-H via LON-BUS if equipped with optional LON communication module.	7727 574 2,433.-
<b>Model 80/60 Low-Loss Header with Insulation</b> Compatible with B2HB 94, 125, 160, or 199 to decouple high flow rate systems from the boiler loop. Max Flow Rate: 19.5 USGPM 1¼" MNPT connection.	7498 529 377.-
<b>Solar Module SM1</b> Wall mounted extension module with electronic differential control for dual coil DHW production and to supplement space heating using solar collectors when used with oil/gas fired heating boilers. To be used instead of SCU Solar Controller.	7533 427 606.-
<b>Model 120/80 Low-Loss Header with Insulation</b> Compatible with B2HA 285, 311, 352, 399 or 530 to decouple high flow rate systems from the boiler loop. Max Flow Rate: 35 USGPM 2" MNPT connection	7498 530 564.-
<b>Mixing Valve Extension Kit</b> Compatible with Viessmann 3-way or Viessmann 4-way mixing valve ONLY. Consisting of Mixing Valve Module (KM-BUS participant, wall mount) and Mixing Valve Motor (120/1/60). Module includes supply temperature sensor (strap-on), plugs for circulation pump and mixing valve motor, KM-BUS cable, and 120V/60Hz 2A in CSA housing with 6.5 ft. cord and 120V plug. Motor includes strap on supply temperature sensor (NTC 10 kOhm). Max: 2 Mixing Valve Extension kits per Vitodens in single boiler applications.	ZK01105 842.-
<b>Immersion Sensor for Solar Module SM1</b> Order if; circulation management in systems with 2 storage tanks, return flow management between boiler and hot water buffer tank and/or supplying heat to additional accessories is required.	7438 702 141.-
<b>Extension Module AM1</b> Wall mounted extension module controls up to 2 of the following circulation pumps: DHW Recirculation pump, DHW production pump, heating circuit pump for the circuit without mixing valve, and/or 120 V/ 60Hz, 4A in CSA housing, with 6.5 ft. cord and 120V plug	7533 425 435.-
<b>LLH Temperature Sensor</b> (immersion) to measure the temperature inside a low-loss header (included with boiler)	7179 488 160.-
<b>DHW Temperature Sensor</b> to measure the temperature inside a domestic hot water storage tank (included with boiler)	7179 114 160.-
<b>Vitotrol 200A</b> Remote control for a single heating circuit. To program daytime temperature and operating program with party and energy saving button and with room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).	7438 363 222.-

<sup>1</sup> Separate Circulation pump required for each boiler.  
Select based upon system pressure drop and flow rate requirement- See Vitodens Technical Data Manual.  
<sup>2</sup> See page 26 for Cascade options.

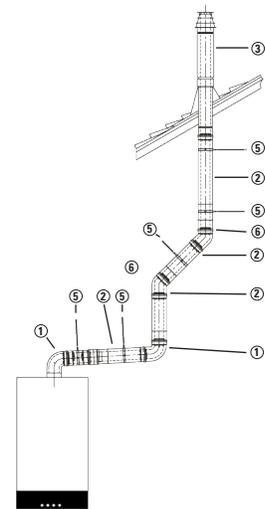
Vitodens 200-W B2HA/B2HB Boiler Accessories (Continued)	Part Number & Price
<b>Vitotrol 300A</b> Remote Control for a single heating circuit to program daytime and nighttime temperature, DHW temperature, operating and holiday program, party and energy-saving features, switching times for heating circuit, DHW tank, and recirculation pump. With illuminated display and text prompts. With room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).	7571 231 373.-
<b>Room Temperature Sensor (wall mount 10 kOhm)</b> Use if the Vitotrol 300A cannot be installed in a centralized location to measure room temp.	7438 537 145.-
<b>Wall Mount Base</b> to reposition the programming unit outside of the Vitotronic. Includes mounting base, blind cover and connection cable	7299 408 157.-
<b>KM-BUS Distributor</b> to connect between 2 and 9 additional devices to the KM-BUS	7133 393 141.-
<b>OT/KM-BUS Module</b> 120V, 60Hz, in CSA housing, with 6.5 ft. cord and 120V plug to convert the Viessmann KM-BUS signal to OpenTherm™ (order 1 per boiler)	7533 428 538.-
<b>Service Tool Set</b> For use with Vitodens 200-W B2HA boilers only	7725 667 280.-
<b>Vitodens 200-W B2HA Cleaning Kit</b> For use with Vitodens 200-W B2HA boilers only	7858 492 55.-
<b>Replacement Blades (Set, B2HA Cleaning Kit)</b>	7840 346 46.-
<b>Neutralization Unit (&lt; 300 MBH)</b> Compatible with B2HB 94, 125, 160, 199 or B2HA 285 to neutralize acidic condensate, includes granular neutralization pellets	7740 946 93.-
<b>Neutralization Unit (300-6,000 MBH)</b> Compatible with B2HA 311, 352, 399, or 530 to neutralize acidic condensate, includes granular neutralization pellets	7740 947 315.-
<b>Neutralization Granulate</b> Package of 2lbs	7740 948 26.-
<b>Neutralization Granulate</b> Bin of 31.5 lbs	7740 949 103.-
<b>EA1 Extension Module</b> For programmable inputs and outputs	7533 426 451.-
<b>EA1 Extension Module Replacement Model Board</b>	7509 475 269.-

# Vitodens 200-W

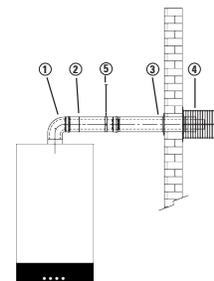
Gas-Fired stainless steel  
condensing boiler

Coaxial Venting	2/4 in (60/100 mm)	3/5 in (80/125 mm)	4/6 in (110/160 mm)
<b>Basic Horizontal Vent Kit</b> Includes 90° elbow, 3.3 ft. straight pipe, vent termination, protective screen, and 2 mounting clips (includes flue transition for 4/6 in (110/160 mm) kit).	7571 783 266.-	7571 784 306.-	7571 785 513.-
<b>Flue transition</b> 4in/6in only REQUIRED for B2HA 285 to 530	N/A	N/A	7664 164 94.-
<b>Coaxial increaser, 2/4 in (60/100 mm) to 3/5 in (80/125)</b> Only for B2HB 94 to 125	N/A	7664 161 60.-	N/A
<b>Coaxial increaser, 2/4 in (60/100 mm) to 4/6 in (110/160 mm)</b> Only for B2HB 94 to 125	N/A	N/A	7664 162 147.-
<b>Coaxial increaser, 3/5 in (80/125 mm) to 4/6 in (110/160 mm)</b> Only for B2HB 160 and 199	N/A	7664 163 122.-	N/A
① <b>90° elbow</b> EqL = 1.6 ft / 0.5m	7664 143 34.-	7664 144 57.-	7664 145 83.-
② <b>Straight Pipe</b> 3.3 ft / 1 m	7664 140 39.-	7664 141 49.-	7664 142 80.-
<b>Straight Pipe</b> 1.6 ft / 0.5m	7664 137 29.-	7664 138 34.-	7664 139 63.-
③ <b>Vent Termination</b> (for Horizontally vented boilers only) 2.6 ft / 0.8 m	7664 149 77.-	7664 150 85.-	7664 151 146.-
<b>Vent Termination</b> (for Vertically vented boilers only) 3.9 ft / 0.8 m	7664 152 96.-	7664 153 98.-	7718 977 238.-
④ <b>Protective Screen</b> Side wall venting must include Viessmann protective screen	7725 656 99.-	7725 656 99.-	7725 656 99.-
⑤ <b>Mounting Clip</b> Order 1 mounting clip per each length of straight pipe installed	7664 158 12.-	7664 159 13.-	7664 160 16.-
⑥ <b>45° elbow (Set of 2)</b> EqL= 1.0 ft / 0.3m	7664 146 53.-	7664 147 61.-	7664 148 122.-
⑦ <b>Roof Flashing and Storm Collar</b> (B-Vent material or better)	Field Supplied	Field Supplied	Field Supplied
<b>Reducer Bushing, 3/5 in (80/125 mm) to 2/4 in (60/100 mm)</b> <b>Required for Vitodens 100-W B2HE ONLY</b>	Field Supplied <sup>1</sup>	N/A	N/A

For detailed venting information, please refer to the Rigid and Flex Pipe Venting Systems Installation Instructions.  
1 Requires 3/5 in (80/125 mm) to 2/4 in (60/100 mm) reducer, field supplied. Recommend suppliers and components COMING SOON.



VERTICALLY VENTED



HORIZONTALLY VENTED

	Maximum Equivalent Length (EqL)	B2HE 85-120	B2HE 150-199	B2HB 94-125	B2HB 160	B2HB 199	B2HA 285-352	B2HA 399	B2HA 530
Coaxial Venting:	2/4 in (60/100 mm)	43 ft <sup>1</sup>	N/A	33ft	N/A	N/A	N/A	N/A	N/A
	3/5 in (80/125 mm)	98 ft	33 ft	40 ft	33 ft	20 ft	N/A	N/A	N/A
	4/6 in (110/160 mm)	118 ft	43 ft	50 ft	43 ft	30 ft	50 ft	26 ft	16 ft
Two-Pipe Direct Venting, Horizontal:	2 in (60 mm)	41 ft <sup>1</sup>	N/A	115 ft	N/A	N/A	N/A	N/A	N/A
	3 in (80 mm)	164 ft	98 ft	148 ft	98 ft	98 ft	N/A	N/A	N/A
	4 in (110 mm)	198 ft	148 ft	180 ft	148 ft	148 ft	131 ft	131 ft	131 ft
Two-Pipe Direct Venting, Vertical:	2 in (60 mm)	41 ft <sup>1</sup>	N/A	115 ft	N/A	N/A	N/A	N/A	N/A
	3 in (80 mm)	164 ft	98 ft	148 ft	98 ft	98 ft	N/A	N/A	N/A
	4 in (110 mm)	198 ft	148 ft	180 ft	148 ft	148 ft	131 ft	131 ft	131 ft

1 Requires 3/5 in (80/125 mm) to 2/4 in (60/100 mm) reducer, field supplied. Recommend suppliers and components COMING SOON.

**Recommended Reducer Bushings and Adapters for 2 in venting for the Vitodens 200-W B2HE:**

**COMING SOON!**

Alternative Venting Types	B2HE	B2HB 94-125	B2HB 160-199	B2HA 285-530
Coaxial and Two-Pipe Direct Venting	See chart above	See chart above	See chart above	See chart above
Rigid and Flexible PP(s) <sup>1</sup> For combustion air intake <sup>4</sup> and flue gas outlet	N/A	Field Supply 2x 60mm to 2" PPS adapter	Field Supply 2x 80mm to 3" PPS adapter	Field Supply 2x 110mm to 4" PPS adapter
CPVC <sup>2</sup> For combustion air intake <sup>4</sup> and flue gas outlet	2x 7134 770 24.-	2x 7134 769 11.-	2x 7134 770 24.-	2x 7134 771 35.-
Stainless Steel <sup>3</sup> For Flue Gas Outlet only	Field Supply 1x 80mm to 3" adapter	Field Supply 1x 60mm to 2" adapter	Field Supply 1x 80mm to 3" adapter	Field Supply 1x 110mm to 4" adapter

For detailed venting information, please refer to the Rigid and Flex Pipe Venting Systems Installation Instructions.  
1 Coaxial and PP(s) vent material must be ULC S-636 certified for Category IV boilers. Do not mix non- ULC S-636 with ULC S-636 venting. Suggested source: Centrotherm or M&G Duravent. Centrotherm fits with no adapter needed and vents up to 12 in. Can be used for common venting for B2HA 45 to 530.  
2 CPVC vent material must be ULC/UL listed for Category IV boilers. Suggested Source: IPEX Inc.  
3 Stainless Steel vent material must be ULC/UL listed for Category IV boilers. Suggested sources: Z-Flex (US) Inc., Heat-fab, M&G Duravent, or Security Chimneys International.  
4 Combustion air supply pipe may be made of the following materials: PP(s), ABS, CPVC, or PVC.  
Always follow the installation instructions of the vent manufacturer and of Viessmann.

<b>Vitodens 200 WB2A 6-24, 8-32</b>			
Part Number	Description	QTY	List Price (USD)
ZK03511	Spare Parts Kit WB2A 6-24, 8-32 (includes all parts below)	1	4,070.-
7826149	Access. Pack (Gas Valve/Burner) WB2A	1	52.-
7819763	Access. Pack (Supply/Return) WB2A-24/32	1	55.-
7819971	Air Vent, G3/8" WBxx / B2Hx	2	32.-
7871315	Burner Ctrl, LGM29.55 WB2A	1	1,318.-
7817746	Burner Gasket (Primary), WB2A	2	33.-
7818117	Burner Gasket WB2A-24/32	2	33.-
7134328	Circuit Board, VR20 WB2A	1	388.-
7822897	Differential Press. Sensor WB2A	1	118.-
7819876	Extension Bolt, M6 WB2-24/32	1	14.-
7819810	Flow Sensor (Reed Contact) WB2A-24C	1	56.-
7404365	Fuse, T6.3A/250V (Set of 10)	1	18.-
7134747	Gas Valve wo Orifice, WB2A	1	446.-
7817898	Gasket Set, WB2A	1	87.-
7820128	Gasket, Assortment 1/2", 3/4" WB2A / CPK	1	13.-
7819627	Ignition Electrode WB2A-24/32	2	82.-
7822467	Ignition Adapter, 230V WB2A	1	158.-
7819628	Ionization Electrode WB2A-24/32	2	60.-
7820148	Sensor #1 (Outdoor)	1	159.-
7819967	Sensor #3 (Boiler) WB / CPK	1	93.-
7134239	Sensor #5 (DHW) WB2A*** DHW Only ***	1	222.-
7819825	Sensor #5 (DHW) WB2A-24C	1	100.-
7134240	Sensor #5 (Header) WB2A* LL Hdr Only *	1	218.-
7820384	Water Pressure Switch WB2A-24/32	1	76.-
7819805	Water Switch WB2A-24C	1	72.-

<b>Vitodens 200 WB2A 11-44, 15-60</b>			
Part Number	Description	QTY	List Price (USD)
ZK03512	Spare Parts Kit WB2A 11-44, 15-60 (includes all parts below)	1	4,596.-
7826149	Access. Pack (Gas Valve/Burner) WB2A	1	52.-
7819971	Air Vent, G3/8" ) WBxx / B2Hx	2	32.-
7871315	Burner Ctrl, LGM29.55) WB2A	1	1,318.-
7817692	Burner Gasket) WB2A-44/60 / CU3A	2	144.-
7817746	Burner Gasket (Primary), WB2A	2	33.-
7817698	Burner Gasket (Secondary), WB2A	2	54.-
7134328	Circuit Board, VR20) WB2A	1	388.-
7822897	Differential Press. Sensor) WB2A	1	118.-
7825487	Fixed High Limit, 210°F/99°C WB2A/WB2Bsm	1	85.-
7843834	Flow Switch Assly WB2Ab-44/60	1	293.-
7843832	Flow Switch WB2Aa-44/60	1	133.-
7404365	Fuse, T6.3A/250V (Set of 10)	1	18.-
7134747	Gas Valve wo Orifice, WB2A	1	446.-
7817686	Gasket (Set) WB2A-44/60	1	32.-
7817185	Gasket GF, 316mm I.D.) WB2A-44/60	1	32.-
7818051	Gasket, (Set) WB2A-44/60	1	27.-
9507909	Gasket, 1" ) Vitocell / WB2A-44/60	1	6.-
7820128	Gasket, Assortment 1/2", 3/4") WB2A / CPK	1	13.-
7818545	Gasket, WB2A-44/60	1	55.-
7817688	Grommet (Flue Gas), DN110) WB2x / B2HA	1	13.-
7818363	Ignition Electrode WB2A-44/60	2	72.-
7822467	Ignition Adapter, 230V WB2A	1	158.-
7818364	Ionization Electrode WB2A-44/60	2	60.-
7820148	Sensor #1 (Outdoor)	1	159.-
7819967	Sensor #3 (Boiler) WB / CPK	1	93.-
7134239	Sensor #5 (DHW) WB2A *** DHW Only ***	1	222.-
7134240	Sensor #5 (Header) WB2A * LL Hdr Only *	1	218.-

<b>Vitodens 200 WB2B 19-35</b>			
Part Number	Description	QTY	List Price (USD)
ZK03513	Spare Parts Kit WB2B 19-35 (includes all parts below)	1	1,445.-
7819971	Air Vent, G3/8" WBxx / B2Hx	2	32.-
7836177	Burner Gasket, 187x5.5mm WB/B2xx 19-35	2	34.-
7822708	Clip (Ctrl Housing, Set of 10) WB2B	2	14.-
7818063	Fastening Clip (Set of 10) WB2A /WB2B	1	21.-
7825487	Fixed High Limit, 210°F/99°C WB2A/WB2Bsm	1	85.-
7826314	Flow Switch VK315M WB1A/B WB2B-19/26/35	1	82.-
7404365	Fuse, T6.3A/250V (Set of 10)	1	18.-
7836324	Gas Valve CES w Gskts WB2B	1	206.-
7826514	Gasket (Burner Tube) WBxx/B2xx	1	13.-
7827024	Gasket (Electrode Block) WB / B2xx	1	20.-
7828645	Gasket (Flue Gas), DN 60 WBxB/B2xA 19-35	1	14.-
7826471	Gasket (Flue Gas), DN60 WBxB/B1/B2xx Sm.	1	10.-
7827025	Gasket (Ignition Electrode) WB2B / B2xx	1	20.-
7829796	Gasket (Radial Fan) WBxB	1	15.-
7826217	Gasket Set (Gas Conn. Pipe) WB2B-19-60	1	8.-
7831478	Harness X8/X9 (electrodes) WB2B-19/26/35	1	94.-
7822709	Hinges (Ctrl Housing, Set of 10) WBxB	1	27.-
7827957	Ign. Transformer, BW12126-00 WB2B	1	63.-
7826516	Ignition Electr. w gskt WB2B/B2xx 26-35	2	54.-
7834234	Ionization Electrode w Gsk WB2B-19/26/35	2	60.-
7826214	O-Ring Set (Heat Exchanger 21x3) B2xx Sm	1	9.-
7826215	O-Ring Set (Supply/Return 18x3) B2xx Sm.	1	10.-
7831393	Sealing Grommet Set	1	59.-
7820148	Sensor #1 (Outdoor)	1	159.-
7856088	Sensor #15 (Flue Gas) WBxB / B2xB / CU3A	1	46.-
7819967	Sensor #3 (Boiler) WB / CPK	1	93.-

<b>Vitodens 200 WB2B 45-60</b>			
Part Number	Description	QTY	List Price (USD)
ZK03514	Spare Parts Kit WB2B 45-60 (includes all parts below)	1	1,651.-
7819971	Air Vent, G3/8" WBxx / B2Hx	2	32.-
7836178	Burner Gasket, 299x5.6mm WB2B / B2Hx	2	85.-
7822708	Clip (Ctrl Housing, Set of 10) WB2B	1	14.-
7825490	Fixed High Limit, 99°C WB / B2	1	85.-
7826542	Flow Switch VK332M WB2B/B2Hx 45/60	1	87.-
7404365	Fuse, T6.3A/250V (Set of 10)	1	18.-
7836324	Gas Valve CES w Gskts WB2B	1	206.-
7818138	Gasket (Air Intake), DN125 B2HA 45/60	1	33.-
7826524	Gasket (Burner Tube) WB2B / B2Hx 45-150	1	21.-
7824837	Gasket (Flue Gas), D80 Skoberne	1	18.-
7826541	Gasket (Flue Gas), DN 80 B2HA/WB2B 45/60	1	20.-
7827025	Gasket (Ignition Electrode) WB2B / B2xx	1	20.-
7827031	Gasket (Ioniz. Electrode) WB2B / B2HA	1	20.-
7829796	Gasket (Radial Fan) WBxB	1	15.-
7814728	Gasket A - 35x45x2mm VD2, WB2B 45-105	1	11.-
7826540	Gasket Set WB2B-45/60	1	21.-
7826217	Gasket Set (Gas Conn. Pipe) WB2B-19-60	1	8.-
7831479	Harness X8/X9 (Electrodes) WB2B-45/60	1	111.-
7826718	Harness"100/35/54"(Fan/GasVlv)WB2B-45/60	1	54.-
7822709	Hinges (Ctrl Housing, Set of 10) WBxB	1	27.-
7827957	Ign. Transformer, BW12126-00 WB2B	1	63.-
7829798	Ignition Electr. w Gskt WB2B/B2HA 45-100	1	54.-
7834235	Ionization Electrode w Gsk WB2B-45-105	2	66.-
7826539	Sealing Grommet Set WB2B-45/60	1	28.-
7820148	Sensor #1 (Outdoor)	1	159.-
7856088	Sensor #15 (Flue Gas) WBxB / B2xB / CU3A	1	46.-
7819967	Sensor #3 (Boiler) WB / CPK	1	93.-

Vitodens 200 WB2B 80-105			
Part Number	Description	QTY	List Price (USD)
ZK03515	Spare Parts Kit WB2B 80-105 (includes all parts below)	1	1,697.-
7819971	Air Vent, G3/8" WBxx / B2Hx	2	32.-
7836178	Burner Gasket, 299x5.6mm WB2B / B2Hx	2	85.-
7822708	Clip (Ctrl Housing, Set of 10 WB2B	1	14.-
7825490	Fixed High Limit, 99°C WB / B2	1	85.-
7828795	Flow Switch VK332M WB2B / B2HA 80/100	1	82.-
7404365	Fuse, T6.3A/250V (Set of 10)	1	18.-
7836324	Gas Valve CES w Gskts WB2B	2	206.-
7818559	Gasket (Air Intake) d=150mm WB2x/B2HA	1	43.-
7826524	Gasket (Burner Tube) WB2B / B2Hx 45-150	1	21.-
7826553	Gasket (Flue Gas) d=100mm Skoberne	1	28.-
7824837	Gasket (Flue Gas), D80 Skoberne	1	18.-
7827025	Gasket (Ignition Electrode) WB2B / B2xx	1	20.-
7827031	Gasket (Ioniz. Electrode) WB2B / B2HA	1	20.-
7829796	Gasket (Radial Fan) WBxB	1	13.-
7814728	Gasket A - 35x45x2mm VD2,WB2B 45-105	1	11.-
7828929	Gasket Set WB2B-80/105	1	14.-
7831673	Gaskets NG/LP (Set of 5) WBxB / B2Hx	1	24.-
7817688	Grommet (Flue Gas), DN110 WB2x / B2HA	1	13.-
7822709	Hinges (Ctrl Housing, Set of 10) WBxB	1	27.-
7827957	Ign. Transformer, BW12126-00 WB2B	1	63.-
7829798	Ignition Electr. w Gskt WB2B/B2HA 45-100	2	54.-
7834235	Ionization Electrode w Gsk WB2B-45-105	2	66.-
7820148	Sensor #1 (Outdoor)	1	159.-
7856088	Sensor #15 (Flue Gas) WBxB / B2xB / CU3A	1	46.-
7819967	Sensor #3 (Boiler) WB / CPK	1	93.-

Vitodens 200 B2HA/B2HB 68-125				
Part Number	Description	List Price (USD)	QTY	Total
ZK03505	Spare Parts Kit B2HA/B2HB 68-125 (includes all parts below)	1,879.-	1	1,879.-
7819971	Air Vent, G3/8" WBxx / B2Hx	32.-	2	64.-
7836177	Burner Gasket, 187x5.5mm WB / B2	34.-	2	68.-
7839747	Flow Switch, VK320M B1xA / B2Hx 68-125	112.-	2	224.-
7404364	Fuse, T4.0A/250V (Set of 10)	21.-	1	21.-
7404365	Fuse, T6.3A/250V (Set of 10)	18.-	1	18.-
7839704	Gas Valve CES10 (w Gskt) B2xx / CU3A	280.-	1	280.-
7826514	Gasket (Burner Tube) WBxx/B2xx	13.-	1	13.-
7828645	Gasket (Flue Gas), DN 60 WBxB/B2xA 19-35	14.-	1	14.-
7826471	Gasket (Flue Gas), DN60 WBxB/B1/B2xx Sm.	10.-	1	10.-
7839450	Gasket D65 (Set of 2) B2xx / CU3A	24.-	1	24.-
7831673	Gaskets NG/LP (Set of 5) WBxB / B2Hx	24.-	1	24.-
7826515	Ignition Electr. (w gskt) B2xx 68	60.-	2	120.-
7826516	Ignition Electr. (w gskt) WB2B / B2xx	54.-	2	108.-
7839612	Ignition Module B2xx / CU3A	58.-	1	58.-
7839451	Ionization Electr. (w Gskt) B2xx 94/125	60.-	2	120.-
7836449	Ionization Electr. (w Gskt) B2xx 68	60.-	2	120.-
7817500	Mounting Clip (Set of 2) WB2B/B2Hx	11.-	1	11.-
7839650	O-Ring (Set of 5, BLK 24x2.5)	31.-	1	31.-
7839646	O-Ring (Set of 5, supp/ret) B2Hx	31.-	1	31.-
7828007	O-Ring 35x4 (Set of 5) B2xx 19-60	18.-	1	18.-
7839652	Press. Gage (PSI) w clip B2Hx 68-125	62.-	1	62.-
7508904	Sensor #1 (outdoor, NTC) 10K	183.-	1	183.-
7856088	Sensor #15 (Flue Gas, NTC) WB/B1/B2/CU	46.-	1	46.-
7839726	Sensor #3 (Boiler) B2xx 68-125	36.-	2	72.-
7179114	Sensor #5 (DHW, Immersion NTC)	160.-	1	160.-
7179488	Sensor #5 (LLH, Immersion NTC) WB2B/B2Hx	160.-	1	160.-

Vitodens 200 B2HA/B2HB 160-199				
Part Number	Description	List Price (USD)	QTY	Total
ZK03506	Spare Parts Kit B2HA/B2HB 160-199 (includes all parts below)	1,814.-	1	1,814.-
7844909	Access. Pack (Brnr Scr,Set 6) B2HB	31.-	1	31.-
7819971	Air Vent, G3/8" WBxx / B2Hx	32.-	2	64.-
7836178	Burner Gasket, 299x5.6mm WB2B / B2Hx	85.-	2	170.-
7835111	Flapper B2Hx 160-352	54.-	1	54.-
7826542	Flow Switch, VK332M WB2B / B2Hx	87.-	2	174.-
7404363	Fuse, 2.0A/250V (Set of 10)	19.-	1	19.-
7404365	Fuse, T6.3A/250V (Set of 10)	18.-	1	18.-
7826524	Gasket (Burner Tube) WB2B/B2Hx 160-530	21.-	1	21.-
7844911	Gasket (Flue Gas Coll) B2HB 160/199	40.-	1	40.-
7844905	Gasket (Flue Gas), D80 B2HB 160/199	24.-	1	24.-
7835225	Gasket 1¼ (Set of 5) B2Hx 160-530	18.-	1	18.-
7831673	Gaskets NG/LP (Set of 5) WBxB / B2Hx	24.-	1	24.-
7829798	Ignition Electr. (w gskt) WB2B / B2HA	54.-	2	108.-
7839612	Ignition Module B2xx / CU3A	58.-	1	58.-
7836489	Ionization Electr. (w Gskt) B2Hx 160-352	72.-	2	144.-
7817500	Mounting Clip (Set of 2) WB2B/B2Hx	11.-	1	11.-
7835467	O-Ring (Set of 3, ht.exch) B2Hx 160-352	11.-	1	11.-
7831409	O-Ring (Set of 5, 8x2) B2	31.-	1	31.-
7839650	O-Ring (Set of 5, BLK 24x2.5)	31.-	1	31.-
7839721	O-Ring (Set of 5, supp/ret) B2HA 160-352	31.-	1	31.-
7828007	O-Ring 35x4 (Set of 5) B2xx 19-60	18.-	1	18.-
7839723	Press. Gage (PSI)w clip/gsk B2HA 160-199	49.-	1	49.-
7837053	Sensor #1 (outdoor, NTC)	183.-	1	183.-
7856088	Sensor #15 (Flue Gas, NTC) WB/B1/B2/CU	46.-	1	46.-
7835112	Sensor #3 (Boiler, Set 2) B2Hx 160-530	116.-	1	116.-
7179114	Sensor #5 (DHW, Immersion NTC)	160.-	1	160.-
7179488	Sensor #5 (LLH, Immersion NTC) WB2B/B2Hx	160.-	1	160.-

Vitodens 200 B2HA 285-530				
Part Number	Description	List Price (USD)	QTY	Total
ZK03507	Spare Parts Kit B2HA 285-530 (includes all parts below)	3,972.-	1	3,972.-
7819971	Air Vent, G3/8" WBxx / B2Hx	32.-	2	64.-
7835164	Burner Gasket D=408 B2HA 399/530	106.-	1	106.-
7836178	Burner Gasket, 299x5.6mm WB2B / B2Hx	85.-	2	170.-
7835111	Flapper B2Hx 160-352	54.-	1	54.-
7835168	Flapper B2HA 399/530	54.-	1	54.-
7835114	Flow Sensor B2HA 399-530	305.-	1	305.-
7828795	Flow Switch VK332M WB2B / B2HA 285-352	82.-	2	164.-
7404363	Fuse, 2.0A/250V (Set of 10)	19.-	1	19.-
7404365	Fuse, T6.3A/250V (Set of 10)	18.-	1	18.-
7839704	Gas Valve CES10 (w Gskt) B2xx / CU3A	280.-	2	560.-
7839824	Gas Valve CES-Big, 120/1/60 B2HA 399/530	753.-	1	753.-
7818559	Gasket (Air Intake) d=150mm WB2x/B2HA	43.-	1	43.-
7826524	Gasket (Burner Tube) WB2B/B2Hx 160-530	21.-	1	21.-
7826553	Gasket (Flue Gas) d=110mm Skoberne	28.-	1	28.-
7828003	Gasket (Set of 5, 23x30x2) v1 B2xx	18.-	1	18.-
7835174	Gasket 1" (Set of 5) B2HA 399/530	36.-	1	36.-
7835225	Gasket 1/4 (Set of 5) B2Hx 160-530	18.-	1	18.-
7839823	Gasket A32x44x2 (Set of 5) B2HA 399/530	22.-	1	22.-
7826217	Gasket Set A17x24x2 (Set of 5) WBxx/B2xx	8.-	1	8.-
7829798	Ignition Electr. (w gskt) WB2B / B2HA	54.-	2	108.-
7836815	Ignition Electr. (w gskt) B2HA 399/530	61.-	2	122.-
7839612	Ignition Module B2xx / CU3A	58.-	1	58.-
7836489	Ionization Electr. (w Gskt) B2Hx 160-352	72.-	2	144.-
7835169	Ionization Electr. (w Gskt) B2HA 399/530	61.-	2	122.-
7831618	Locking Assly (left/right) B2xx	76.-	1	76.-
7817500	Mounting Clip (Set of 2) WB2B/B2Hx	11.-	1	11.-
7835467	O-Ring (Set of 3, ht.exch) B2Hx 160-352	11.-	1	11.-
7831409	O-Ring (Set of 5, 8x2) B2	31.-	1	31.-
7839650	O-Ring (Set of 5, BLK 24x2.5)	31.-	1	31.-
7839721	O-Ring (Set of 5, supp/ret) B2HA 160-352	31.-	1	31.-
7839764	Press. Gage (PSI)w clip/gsk B2HA 285-530	55.-	1	55.-
7837053	Sensor #1 (outdoor, NTC)	183.-	1	183.-
7856088	Sensor #15 (Flue Gas, NTC) WB/B1/B2/CU	46.-	2	92.-
7835112	Sensor #3 (Boiler, Set 2) B2Hx 160-530	116.-	1	116.-
7179114	Sensor #5 (DHW, Immersion NTC)	160.-	1	160.-
7179488	Sensor #5 (LLH, Immersion NTC) WB2B/B2Hx	160.-	1	160.-

**Single Low Loss Header (LLH)**  
**NOT FOR USE WITH MULTIPLE BOILER LOW-LOSS DISTRIBUTION MANIFOLD**

Model	Max Flow Rate (USGPM)	Stock	ANSI Flange Connection (in)	Shipping Weight (lbs)	Height (in)	Width (in)	Depth (in)	Part Number & Price
LLH 80/60 (Insulation Included)	19.5	Stock	1¼ male npt connections	11	2	11	23	7498 529 377.-
LLH 120/80 (Insulation Included)	35	Stock	2 male npt connections	32	3¼	12¾	36½	7498 530 564.-
LLH 160/80	44	Stock	2½	100	56.7	22.1	11	7834 470 1,369.-
LLH 200/120	80	Stock	3	137	57	23.7	12.6	7834 471 1,746.-
LLH 250/150	119	Stock	4	185	57.8	25.6	13 <sup>8</sup>	7834 472 1,953.-
LLH 300/200	189	Stock	5	276	58 <sup>3</sup>	57.6	15.7	7834 473 2,171.-
LLH 400/200	251	Stock	6	340	58.9	31½	15.7	7834 474 2,589.-
LLH 450/250	374	6 weeks	8	595	59.8	33½	17.7	7834 475 4,449.-
LLH 500/300	484	6 weeks	8	860	71.6	35½	19.7	7834 476 5,286.-
LLH 600/400	748	6 weeks	10	1,213	72.6	39.4	23.6	7834 477 7,512.-
LLH 650/450	1,034	6 weeks	12	1,543	76.6	41.4	25.6	7834 478 10,511.-
LLH 700/500	1,320	6 weeks	14	1,610	90.2	43.4	27.6	7834 479 13,874.-

Note: ANSI flanges must be field supplied



Stand alone low loss headers, not for use with multiple boiler low-loss distribution manifold.

Low Loss Header Accessories	Part Number & Price
<b>Thermal Insulation for LLH 160/80</b> 2 aluminum half shells, containing 65mm PUR foam and cut-outs for all connections.	7834 480 647.-
<b>Thermal Insulation for LLH 200/120</b> 2 aluminum half shells, containing 65mm PUR foam and cut-outs for all connections.	7834 481 846.-
<b>Thermal Insulation for LLH 250/150</b> 2 aluminum half shells, containing 65mm PUR foam and cut-outs for all connections.	7834 482 955.-
<b>Thermal Insulation for LLH 300/200</b> 2 aluminum half shells, containing 65mm PUR foam and cut-outs for all connections.	7834 483 1,068.-
<b>Thermal Insulation for LLH 400/200</b> 2 aluminum half shells, containing 100mm mineral wool and cut-outs for all connections.	7834 484 1,152.-
<b>Thermal Insulation for LLH 450/250</b> 2 aluminum half shells, containing 100mm mineral wool and cut-outs for all connections.	7834 485 1,458.-
<b>Thermal Insulation for LLH 500/300</b> 2 aluminum half shells, containing 100mm mineral wool and cut-outs for all connections.	7834 486 1,647.-
<b>Thermal Insulation for LLH 600/400</b> 2 aluminum half shells, containing 100mm mineral wool and cut-outs for all connections.	7834 487 2,290.-
<b>Thermal Insulation for LLH 650/450</b> 2 aluminum half shells, containing 100mm mineral wool and cut-outs for all connections.	7834 488 2,929.-
<b>Thermal Insulation for LLH 700/500</b> 2 aluminum half shells, containing 100mm mineral wool and cut-outs for all connections.	7834 489 2,999.-

## Vitodens 222-F

Gas-Fired stainless steel  
condensing boiler



### Single boiler (floor standing)

Model	MBH Input Range	MBH Output Range	Efficiency	Vent Size in (mm)	Gas Valve Connection (in)	Supply/Return Connection (in)	Shipping Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price	Low NOx Part Number & Price
B2TB-125	19-125	17.4-117	95%	2/4 (60/100)	3/4	3/4	311	23 1/2	23 3/8	64	B2TB004 5,809.-	B2TB123 5,809.-
Connection Set for left/right connection <b>Comes included with all Vitodens 222-F boilers, separate ordering is not required.</b>											7201 537 403.-	
Connection Set for top connection (Optional)											7201 538 415.-	
Boiler Accessories											Part Number & Price	
<b>Mixing Valve Extension Kit</b> Compatible with Viessmann 3-way or Viessmann 4-way mixing valve ONLY. Consisting of Mixing Valve Module (KM-BUS participant, wall mount) and Mixing Valve Motor (120V/1/60). Module includes supply temperature sensor (strap-on), plugs for circulation pump and mixing valve motor, KM-BUS cable, and 120V/60Hz 2A in CSA housing with 6.5' cord and 120V plug. Motor includes strap on supply temperature sensor (NTC 10 kOhm). Max: 2 Mixing Valve Extension kits per Vitodens in single boiler applications.											ZK01105 842.-	
<b>Viessmann 3- way Mixing Valves</b>												
				3/4"	1"	1 1/4"	1 1/2"	2"				
				7134 742 366.-	7134 743 389.-	7134 744 438.-	7134 745 490.-	7134 746 578.-				
<b>Vitoconnect 100 OPTO2</b> To connect Vitodens 200, 222, and Vitocrossal CU3A boilers to WiFi for use with ViCare App											7745 434 495.-	
<b>LON Connecting Cable, 23 ft</b> for data exchange between controls											7143 495 70.-	
<b>LON Extension Jack</b> to extend LON connecting cable											7143 496 60.-	
<b>LON Connecting Terminal (RJ, 2 pieces)</b> to connect to field cabling via wall-mounted boxes											7171 784 115.-	
<b>LON Terminal Resistor (2 pieces)</b> To terminate the system BUS, a resistor must be installed on each free end											7143 497 20.-	
<b>LON Communication Module</b> electronic circuit board enabling data communication via Viessmann LON system BUS. For installation inside Vitodens 200-W.											7179 113 421.-	
<b>Extension Module AM1</b> Wall mounted extension module controls up to 2 of the following circulation pumps: DHW Recirculation pump, DHW production pump, heating circuit pump for the circuit without mixing valve, and/or 120 V/ 60Hz, 4A in CSA housing, with 6.5 ft. cord and 120V plug											7533 425 435.-	
<b>Model 80/60 Low-Loss Header with Insulation</b> Compatible with B2TB-125 to decouple high flow rate systems from the boiler loop. Max Flow Rate: 19.5 USGPM											7498 529 377.-	
<b>Model 120/80 Low-Loss Header with Insulation:</b> Compatible with B2TB-125 to decouple high flow rate systems from the boiler loop. Max Flow Rate: 35 USGPM											7498 530 564.-	
<b>LLH Temperature Sensor</b> (immersion) to measure the temperature inside a low-loss header (included with boiler)											7179 488 160.-	
<b>Neutralization Unit (&lt; 300 MBH)</b> Compatible with B2TB-125 to neutralize acidic condensate, includes granular neutralization pellets											7740 946 93.-	
<b>Neutralization Granulate</b> Package of 2lbs											7740 948 26.-	
<b>Vitotrol 200A</b> Remote control for a single heating circuit. To program daytime temperature and operating program with party and energy saving button and with room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).											7438 363 222.-	
<b>Vitotrol 300A</b> Remote Control for a single heating circuit to program daytime and nighttime temperature, DHW temperature, operating and holiday program, party and energy-saving features, switching times for heating circuit, DHW tank, and recirculation pump. With illuminated display and text prompts. With room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).											7571 231 373.-	
<b>Seismic Bracket Kit</b>											7557 079 751.-	

### Standard Boiler Equipment Includes:

- Boiler and installation fittings c/w 30 psig boiler relief valve and 150 psig DHW relief valve
- 26.5 USG DHW tank
- Pressure gauge
- Gas shut-off valve
- Two fill/drain valves
- All mounting hardware
- Supplied analog temp gauge



Internet Capable when used with Vitoconnect



**ViCare App**  
Mobile operation of the heating system for heating and DHW.



**Vitoguide App**  
Vitoguide Mobile is a portable commissioning, guided spare parts replacement, and handheld service tool that can be downloaded on IOS and Android operating systems.

See Digital Services (pg. 36) for more information on the Viessmann ViCare and Vitoguide Applications.

### Optional Equipment:

45 PSIG PRV-  
9549 944 \$46.-

### Notes:

Boiler is suitable for operation with a balanced flue. Please use a certified Category IV vent system of PP(s), stainless steel, or CPVC.

# Vitodens 222-F

Gas-Fired stainless steel  
condensing boiler

Boiler Accessories	
<b>Room Temperature Sensor (wall mount 10 kOhm)</b> Use if the Vitotrol 300A cannot be installed in a centralized location to measure room temp.	7438 537 145.-
<b>Wall Mount Base</b> to reposition the programming unit outside of the Vitotronic. Includes mounting base, blind cover and connection cable	7299 408 157.-
<b>KM-BUS Distributor</b> to connect between 2 and 9 additional devices to the KM-BUS	7133 393 141.-
<b>OT/KM-BUS Module</b> 120V, 60Hz, in CSA housing, with 6.5 ft. cord and 120V plug to convert the Viessmann KM-BUS signal to OpenTherm™ (order 1 per boiler)	7533 428 538.-
<b>Service Tool Set</b> for Vitodens boilers	9537 070 336.-
<b>Cleaning Kit</b> for Vitodens boilers	7858 492 55.-
<b>Repl. Blades (Set, Cleaning Kit)</b>	7840 346 46.-

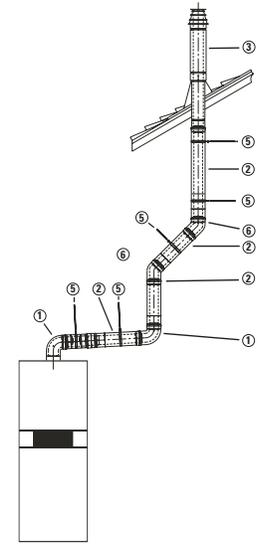
Coaxial Venting	2/4 in (60/100 mm)	3/5 in (80/125 mm)	4/6 in (110/160 mm)
<b>Basic Horizontal Vent Kit</b> Includes 90° elbow, straight pipe, vent termination, protective screen, and 2 mounting clips.	7571 783 266.-	7571 784 306.-	7571 785 513.-
<b>Coaxial increaser, 2/4 in (60/100 mm) to 3/5 in (80/125 mm)</b> Only for B2TB 125	N/A	7664 161 60.-	N/A
<b>Coaxial increaser, 2/4 in (60/100 mm) to 4/6 in (110/160 mm)</b> Only for B2TB 125	N/A	N/A	7664 162 147.-
① <b>90° elbow</b> EqL = 1.6 ft / 0.5 m	7664 143 34.-	7664 144 57.-	7664 145 83.-
② <b>Straight Pipe</b> 3.3 ft / 1m	7664 140 39.-	7664 141 49.-	7664 142 80.-
<b>Straight Pipe</b> 1.6 ft / 0.5m	7664 137 29.-	7664 138 34.-	7664 139 63.-
③ <b>Vent Termination (for Horizontally vented boilers only)</b> 2.6 ft / 0.8 m	7664 149 77.-	7664 150 85.-	7664 151 146.-
<b>Vent Termination (for Vertically vented boilers only)</b> 3.9 ft / 0.8 m	7664 152 96.-	7664 153 98.-	7718 977 238.-
④ <b>Protective Screen</b> Side wall venting must include Viessmann protective screen	7725 656 99.-	7725 656 99.-	7725 656 99.-
⑤ <b>Mounting Clip</b> Order 1 mounting clip per each length of straight pipe installed	7664 158 12.-	7664 159 13.-	7664 160 16.-
⑥ <b>45° elbow (Set of 2)</b> EqL= 1.0 ft / 0.3m	7664 146 53.-	7664 147 61.-	7664 148 122.-
⑦ <b>Roof Flashing and Storm Collar</b> (B-Vent material or better)	Field Supplied	Field Supplied	Field Supplied

Maximum Equivalent Length (EqL) Vitodens 222-F, B2TB 125	Coaxial Venting	
2/4 in (60/100 mm)	33 ft	
3/5 in (80/125 mm)	40 ft	
4/6 in (110/160 mm)	50 ft	
Two-Pipe Direct Venting	Horizontal	Vertical
2 in (60 mm)	115 ft	115 ft
3 in (80 mm)	148 ft	148 ft
4 in (110 mm)	180 ft	180 ft

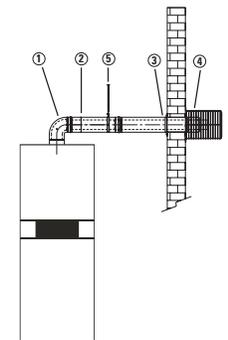
Alternative Venting Types	B2TB 125
Coaxial and Two-Pipe Direct Venting	See chart above
Rigid and Flexible PP(s) <sup>1</sup> For combustion air intake <sup>4</sup> and flue gas outlet	Field Supply 2x 60mm to 2" PPS adapter
CPVC <sup>2</sup> For combustion air intake <sup>4</sup> and flue gas outlet	2x 7134 769 11.-
Stainless Steel <sup>3</sup> For Flue Gas Outlet only	Field Supply 1x 60mm to 2" adapter

1 Coaxial and PP(s) vent material must be ULC S-636 certified for Category IV boilers. Do not mix non- ULC S-636 with ULC S-636 venting. Suggested source: Centrotherm or M&G Duravent  
 2 CPVC vent material must be ULC/UL listed for Category IV boilers. Suggested Source: IPEX Inc.  
 3 Stainless Steel vent material must be ULC/UL listed for Category IV boilers. Suggested sources: Z-Flex (US) Inc., Heat-fab, M&G Duravent, or Security Chimneys International.  
 4 Combustion air supply pipe may be made of the following materials: PP(s), ABS, CPVC, or PVC.  
 Always follow the installation instructions of the vent manufacturer and of Viessmann.

Pricing Effective June 1<sup>st</sup> 2021



VERTICALLY VENTED



HORIZONTALLY VENTED

VITODENS 222-F				
Part Number	Description	List Price (USD)	QTY	Total
ZK03509	Spare Parts Kit Vitodens 222-F (includes all parts below)	1,812.-	1	1,812.-
7828750	Air Vent (Caleffi) CPK / B2Tx	63.-	1	63.-
7836177	Burner Gasket, 187x5.5mm WB / B2	34.-	2	68.-
7839607	Flapper Membrane B2HB / B2Tx	54.-	1	54.-
7826602	Flat Gasket (DHW tank) B2Tx	11.-	1	11.-
7404363	Fuse, 2.0A/250V (Set of 10)	19.-	1	19.-
7404365	Fuse, T6.3A/250V (Set of 10)	18.-	1	18.-
7839704	Gas Valve CES10 (w Gskt) B2xx / CU3A	280.-	1	280.-
7826514	Gasket (Burner Tube) WBxx/B2xx	13.-	1	13.-
7828645	Gasket (Flue Gas), DN 60 WBxB/B2xA 19-35	14.-	1	14.-
7826471	Gasket (Flue Gas), DN60 WBxB/B1/B2xx Sm.	10.-	1	10.-
7828003	Gasket (Set of 5, 23x30x2) v1 B2xx	18.-	1	18.-
7839450	Gasket D65 (Set of 2) B2xx / CU3A	24.-	1	24.-
7826216	Gasket Set (10x2mm) WB1A / B2Tx	9.-	1	9.-
7826217	Gasket Set A17x24x2 (Set of 5) WBxx/B2xx	8.-	1	8.-
7819666	Gasket, 115 x 92 x 3 EHA/EVI/EVB/B2Tx	19.-	1	19.-
7826515	Ignition Electr. (w gskt) B2xx 68	60.-	2	120.-
7826516	Ignition Electr. (w gskt) WB2B / B2xx	54.-	2	108.-
7839612	Ignition Module B2xx / CU3A	58.-	1	58.-
7839451	Ionization Electr. (w Gskt) B2xx 94/125	60.-	2	120.-
7836449	Ionization Electr. (w Gskt) B2xx 68	60.-	2	120.-
9561042	Keychain w Air Bleed Key "Viessmann mth"	7.-	1	7.-
7827948	O-Ring 14.3x2.4 (Set of 5, dhw) B2Tx	18.-	1	18.-
7828007	O-Ring 35x4 (Set of 5) B2xx 19-60	18.-	1	18.-
7826214	O-Ring Set (Heat Exchanger 21x3) B2xx Sm	9.-	1	9.-
7826215	O-Ring Set (Supply/Return 18x3) B2xx Sm.	10.-	1	10.-
7827933	Profile Gasket (DHW ht.exch) Set/4 B2Tx	11.-	1	11.-
7837053	Sensor #1 (outdoor, NTC)	183.-	1	183.-
7839726	Sensor #3 (Boiler) B2xx 68-125	36.-	2	72.-
7834379	Sensor #5 (DHW, Immersion NTC) B2Tx/CU3A	162.-	1	162.-
7179488	Sensor #5 (LLH, Immersion NTC) WB2B/B2Hx	160.-	1	160.-

# Vitocrossal 300, CU3A

Gas-Fired stainless steel condensing boiler



## Single boiler (floor standing) Gas-Fired stainless steel condensing boiler

Model	MBH Input Range	MBH Output Range	Efficiency (A.F.U.E.)	Vent Size (in)	Gas Valve Connection (in)	Supply/Return Connection (in)	Combustion Air connection (in)	Shipping Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
CU3A-94	19-94	17.7- 87	95%	3	¾	1¼	3	269	27	26	61½	CU3A350 6,132.-
CU3A-125	25-125	23.3-116	95%	3	¾	1¼	3	275	27	26	61½	CU3A351 6,483.-
CU3A-160	43-160	40-149	95%	4	¾	1¼	3	341	31½	26	61½	CU3A352 7,512.-
CU3A-199	43-199	40-185	95%	4	¾	1¼	3	352	31½	26	61½	CU3A353 8,042.-

Boiler Accessories						Part Number & Price
<b>Vitotronic 300-K, MW2C Series Color Touch Screen</b> wall-mounted, digital indoor/outdoor master boiler and heating system control for up to 8 Vitodens 200-W boilers. Includes DHW sensor and strap-on supply sensor for low-loss header (NTC 10 kOhm), as well as electric circuit board for the 2. and 3. heating circuit with mixing valve.. Capable of communication with Vitodens 200-W via KM-BUS protocol. Also capable of communication with Vitotronic 200-H via LON-BUS if equipped with optional LON communication module.						7727 574 2,506.-
<b>Mixing Valve Extension Kit</b> Compatible with Viessmann 3-way or Viessmann 4-way mixing valve ONLY. Consisting of Mixing Valve Module (KM-BUS participant, wall mount) and Mixing Valve Motor (120V/1/60). Module includes supply temperature sensor (strap-on), plugs for circulation pump and mixing valve motor, KM-BUS cable, and 120V/60Hz 2A in CSA housing with 6.5 ft. cord and 120V plug. Motor includes strap on supply temperature sensor (NTC 10 kOhm). Max: 2 Mixing Valve Extension kits per Vitodens in single boiler applications.						ZK01105 842.-
<b>Viessmann 3- way Mixing Valves</b>						
	¾"	1"	1¼"	1½"	2"	
	7134 742 366.-	7134 743 389.-	7134 744 438.-	7134 745 490.-	7134 746 578.-	
<b>Mixing Valve Motor 120/1/60</b> for use with mixing valves in multiple CU3A scenarios						7509 472 297.-
<b>Power Supply Adapter 120/1/60</b> for use with mixing valves in multiple CU3A scenarios						7134 560 226.-
<b>Sensor #2 (supply, strap-on) Ni 500</b> for use with mixing valves in multiple CU3A scenarios						7183 288 146.-
<b>LON Connecting Cable, 23 ft</b> for data exchange between controls						7143 495 70.-
<b>LON Extension Jack</b> to extend LON connecting cable						7143 496 60.-
<b>LON Connecting Terminal (RJ, 2 pieces)</b> to connect to field cabling via wall-mounted boxes						7171 784 115.-
<b>LON Terminal Resistor (2 pieces)</b> To terminate the system BUS, a resistor must be installed on each free end						Standard Equipment
<b>LON Communication Module</b> Electronic circuit board enabling data communication via Viessmann LON system BUS. For installation inside Vitodens 200-W.						Standard Equipment
<b>LON Communication Module</b> Standard equipment-included with boiler electronic circuit board enabling data communication via Viessmann LON system BUS. For installation inside a Vitotronic 300-K MW2C						7172 174 423.-
<b>Solar Module SM1</b> Wall mounted extension module with electronic differential control for dual coil DHW production and to supplement space heating using solar collectors when used with oil/gas fired heating boilers.To be used instead of SCU Solar Controller.						7533 427 606.-
<b>Immersion Sensor for Solar Module SM1</b> Order if; circulation management in systems with 2 storage tanks, return flow management between boiler and hot water buffer tank and/or supplying heat to additional accessories is required.						7438 702 141.-
<b>Extension Module AM1</b> Wall mounted extension module controls up to 2 of the following circulation pumps: DHW Recirculation pump, DHW production pump, heating circuit pump for the circuit without mixing valve, and/or 120V/ 60Hz, 4A in CSA housing, with 6.5' cord and 120V plug						7533 425 435.-
<b>LLH Temperature Sensor</b> (immersion) to measure the temperature inside a low-loss header (included with boiler)						Standard Equipment
<b>Seismic Bracket Kit</b>						7557 079 751.-

### Standard Boiler Equipment Includes:

- Floor standing boiler and installation fittings c/w 30 psig relief valve
- Vitotronic 200 KW6B
- Vitoconnect 100 OPT01 WiFi connection box

Internet Capable when used with Vitoconnect

**ViCare App**  
Mobile operation of the heating system for heating and DHW.

**Vitoguide App**  
Vitoguide Mobile is a portable commissioning, guided spare parts replacement, and handheld service tool that can be downloaded on IOS and Android operating systems.

See Digital Services (pg. 36) for more information on the Viessmann ViCare and Vitoguide Applications.

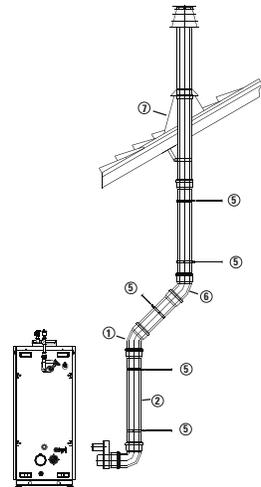
### Vitotronic KW6B Series outdoor reset boiler and heating system control:

To control one heating circuit without mixing valve and two heating circuits with mixing valve

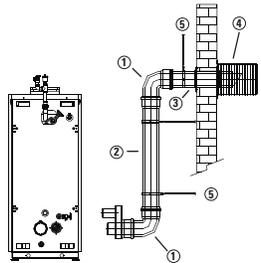
- Digital outdoor reset boiler and heating system control
- With digital tracking of day and week
- With independently programmable timer periods, heating curves, temperature setpoints and operating programs
- With DHW production management (sensor included)
- With integrated LON Communication Module
- With integrated diagnostic system and additional functions

Boiler is suitable for operation with a balanced flue. Please use a certified Category IV vent system of PP(s), stainless steel, or CPVC.

Boiler Accessories	
<b>Neutralization Unit (&lt; 300 MBH)</b> Compatible with CU3A 94-199. To neutralize acidic condensate, includes granular neutralization pellets	7740 946 93.-
<b>Neutralization Granulate</b> Package of 2lbs	7740 948 26.-
<b>Common Vent Condensate Trap (Centrotherm)</b> 1 per boiler required when common venting up to 4 boilers	9679 844 57.-
<b>Vitotrol 200A</b> Remote control for a single heating circuit. To program daytime temperature and operating program with party and energy saving button and with room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).	7438 363 222.-
<b>Vitotrol 300A</b> Remote Control for a single heating circuit to program daytime and nighttime temperature, DHW temperature, operating and holiday program, party and energy-saving features, switching times for heating circuit, DHW tank, and recirculation pump. With illuminated display and text prompts. With room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).	7571 231 373.-
<b>Room Temperature Sensor (wall mount 10 kOhm)</b> Use if the Vitotrol 300A cannot be installed in a centralized location to measure room temp.	7438 537 145.-
<b>Wall Mount Base</b> to reposition the programming unit outside of the Vitotronic. Includes mounting base, blind cover and connection cable	7299 408 157.-
<b>KM-BUS Distributor</b> to connect between 2 and 9 additional devices to the KM-BUS	7133 393 141.-



VERTICALLY VENTED



HORIZONTALLY VENTED

Coaxial Venting (MUST use field supplied adapter)	CU3A 94-125 ONLY 3/5 in (80/125 mm)	CU3A 94-199 4/6 in (110/160 mm)
<b>Coaxial Adapter 80-80 3/5 in (80/125 mm) or 110-80 4/6 in (110/160 mm).</b> To go from 2-pipe PPS to 1-pipe coaxial	7664 165 150.-	7664 166 161.-
<b>Coaxial Inserter 3/5 in (80/125 mm) to 4/6 in (110/160 mm).</b> For use with CU3A 94 and 125 ONLY	N/A	7664 163 122.-
① <b>90° elbow</b> EqL = 1.6 ft/ 0.5 m	7664 144 57.-	7664 145 83.-
② <b>Straight Pipe</b> 3.3 ft / 1m	7664 141 49.-	7664 142 80.-
<b>Straight Pipe</b> 1.6 ft / 0.5m	7664 138 34.-	7664 139 63.-
③ <b>Vent Termination</b> (for Horizontally vented boilers only) 2.6 ft/ 0.8 m	7664 150 85.-	7664 151 146.-
<b>Vent Termination</b> (for Vertically vented boilers only) 3.9 ft/ 0.8 m	7664 153 98.-	7718 977 238.-
④ <b>Protective Screen</b> Side wall venting must include Viessmann protective screen	7725 656 99.-	7725 656 99.-
⑤ <b>Mounting Clip</b> Order 1 mounting clip per each length of straight pipe installed	7664 159 13.-	7664 160 16.-
⑥ <b>45° elbow (Set of 2)</b> EqL= 1.0 ft / 0.3m	7664 147 61.-	7664 148 122.-
⑦ <b>Roof Flashing and Storm Collar</b> (B-Vent material or better)	Field Supplied	Field Supplied

Maximum Equivalent Length (EqL)			
Coaxial Venting			
Boiler Model	3/5 in (80/125 mm)	4/6 in (110/160 mm)	
CU3A 94-125	98 ft	108 ft (Horizontal)	110 ft (Vertical)
CU3A 160-199	N/A	98 ft	
Two-Pipe Direct Venting, Horizontal or Vertical			
Boiler Model	Intake Ø	Exhaust Ø	CU3A 160-199
CU3A 94-125	3 in (80 mm)	3 in (80 mm)	198 ft
CU3A 160-199	3 in (80 mm)	4 in (110 mm)	198 ft

Alternative Venting Types	CU3A 94 and 125	CU3A 160 and 199
Coaxial Venting	Field Supply DuraVent PPS to Concentric y-adapter 81003138 OR Centrotherm ICTCV030446	Field Supply DuraVent PPS to Concentric y-adapter 81003139 OR Centrotherm ICTCV0335
Rigid and Flexible PP(s) <sup>1</sup> For combustion air intake <sup>4</sup> and flue gas outlet	80mm PPS off boiler; no adapter required	110mm to 100mm DuraVent adaptor field supply PPS-VSM-AD No adapter required with Centrotherm
CPVC <sup>2</sup> (one air intake adapter included with each boiler)	N/A	N/A
CPVC <sup>2</sup> exhaust	1x 7134 770 24.-	1x 7134 771 35.-

1 Coaxial and PP(s) vent material must be ULC S-636 certified for Category IV boilers.  
Do not mix non- ULC S-636 with ULC S-636 venting. Suggested source: Centrotherm or M&G Duravent  
2 CPVC vent material must be ULC/UL listed for Category IV boilers. Suggested Source: IPEX Inc.  
3 Stainless Steel vent material must be ULC/UL listed for Category IV boilers. Suggested sources: Z-Flex (US) Inc., Heat-fab, M&G Duravent, or Security Chimneys International.  
4 Combustion air supply pipe may be made of the following materials: PP(s), ABS, CPVC, or PVC.  
Always follow the installation instructions of the vent manufacturer and of Viessmann.

VITOCROSSAL 300 CU3A				
Part Number	Description	List Price (USD)	QTY	Total
ZK03508	Spare Parts Kit CU3A (includes all parts below)	1,838.-	1	1,838.-
7834399	Access. Pack (Burner Parts) CU3A	54.-	1	54.-
9668977	Air Vent (Afriso) w Shut-off Base 3/8"	19.-	2	38.-
7817692	Burner Gasket WB2A-44/60 / CU3A	144.-	2	288.-
7404365	Fuse, T6.3A/250V (Set of 10)	18.-	1	18.-
7839704	Gas Valve CES10 (w Gskt) B2xx / CU3A	280.-	1	280.-
7834397	Gasket (Burner Mesh) CU3A	67.-	1	67.-
7822133	Gasket (Flue Gas Coll.) CU3A 94/125	35.-	1	35.-
7834812	Gasket (Flue Gas Coll.) CU3A 160/199	38.-	1	38.-
7826553	Gasket (Flue Gas) d=110mm Skoberne	28.-	1	28.-
7824837	Gasket (Flue Gas), D80 Skoberne	18.-	1	18.-
7834396	Gasket (Radial Fan) CU3A	60.-	1	60.-
7839450	Gasket D65 (Set of 2) B2xx / CU3A	24.-	1	24.-
7831673	Gaskets NG/LP (Set of 5) WBxB / B2Hx	24.-	1	24.-
7826504	Ignition Electrode (w Gskt) CU3A	61.-	2	122.-
7839612	Ignition Module B2xx / CU3A	58.-	1	58.-
7844121	Ionization Electr. (w Gskt) CU3A 94/125	56.-	2	112.-
7844123	Ionization Electr. (w Gskt) CU3A 160/199	43.-	2	86.-
7837053	Sensor #1 (outdoor, NTC)	183.-	1	183.-
7856088	Sensor #15 (Flue Gas, NTC) WB/B1/B2/CU	46.-	2	92.-
7844897	Sensor #3 (Boiler, dual, NTC) CU3A	57.-	1	57.-
7834379	Sensor #5 (DHW, Immersion NTC) B2Tx/CU3A	157.-	1	157.-

# Vitorond 100

Oil-fired hot water heating boiler



## Single Boiler; BOILER AND INSULATION ONLY

PLEASE NOTE THERE ARE NO BURNERS INCLUDED IN THE PART NUMBERS LISTED BELOW

Boiler options	VR1-91	VR1-105	VR1-140	VR1-161	VR1-196	VR1-245
	7249 048 1,585.-	7249 049 1,879.-	7249 050 2,052.-	VR10325 2,335.-	VR10326 2,739.-	VR10327 3,142.-

### Control Options- choose 1 option

Please note that the packages include installation fittings, control and technical literature. For KW2 the Power Pump Module will also be included

Control Option	VR1-91	VR1-105	VR1-140	VR1-161	VR1-196	VR1-245
HydroLevel	Z015259 546.-	Z015259 546.-	Z015259 546.-	Z015260 497.-	Z015260 497.-	Z015260 497.-
Vitotronic, 100 KW10B	Z015255 1,832.-	Z015255 1,832.-	Z015255 1,832.-	Z015256 1,826.-	Z015256 1,826.-	Z015256 1,826.-
Vitotronic, 200 KW2	Z015257 <sup>†</sup> 2,865.-	Z015257 <sup>††</sup> 2,865.-	Z015257 <sup>†††</sup> 2,865.-	Z015258 2,859.-	Z015258 2,859.-	Z015258 2,859.-

<sup>†</sup> Please note that a field supply nozzle of Hago 0.5 x 60°B DFN will need to be installed for DV applications.

<sup>††</sup> Please note that a field supply nozzle of Hago 0.6 x 60°B will need to be installed for DV applications.

<sup>†††</sup> Please note that a field supply nozzle of Hago 0.75 x 60°B will need to be installed for DV applications.

### Burner options-choose 1 option

Please note that the direct vent burners include the burner, direct vent system, and the fresh air kit (for Beckett and Carlin only)

	VR1-91	VR1-105	VR1-140	VR1-161	VR1-196	VR1-245
Riello Chimney Vent	7311 316 971.-	7311 316 971.-	7311 317 1,011.-	7311 317 1,011.-	7311 317 1,011.-	7311 318 1,263.-
Beckett Chimney Vent	7452 064 830.-	7452 065 830.-	7452 066 830.-	7452 067 830.-	7452 068 810.-	7452 068 810.-
Carlin Chimney Vent	7749 024 852.-	7749 025 852.-	7749 026 852.-	7749 027 852.-	7749 028 898.-	7749 029 898.-
Riello Direct Vent	ZK02854 2,906.-	ZK02854 2,906.-	ZK02855 2,945.-	N/A	N/A	N/A
Beckett Direct Vent	ZK02856 2,489.-	ZK02857 2,489.-	ZK02858 2,489.-	N/A	N/A	N/A
Carlin Direct Vent	ZK03208 2,199.-	ZK03209 2,199.-	ZK03210 2,199.-	N/A	N/A	N/A

### Specifications

	VR1-91	VR1-105	VR1-140	VR1-161	VR1-196	VR1-245
Input (MBH)	91	105	140	161	196	245
Output (MBH)	80	92	122	140	172	215
Efficiency (A.F.U.E.)	87%	87%	87%	87%	87%	87%
Length (in)	38½	44	44	36	37½	42½
Width (in)	19¼	19¼	19¼	22¼	22¼	22¼
Height (in)	33	33	33	39¼	39¼	39¼
Boiler Water Content (USG)	9.2	11.6	11.6	12.7	16.1	19.3
Supply/Return Connection (in)	1.5	1.5	1.5	2	2	2
Boiler Vent Connection (in)	5	5	5	6	6	6
Shipping Weight (lbs)	442	508	508	564	694	822

Boiler Accessories						
Boiler Stand	VR1-91	VR1-105	VR1-140	VR1-161	VR1-196	VR1-245
for Vitorond 100 9¾" height	7133 073 211.-	7133 074 211.-	7133 074 211.-	7133 075 211.-	7133 076 226.-	7133 076 226.-

### Standard Boiler Equipment Includes:

- Boiler shell with insulation (pre-installed up to VR1-105)
- Combustion chamber insert
- Tridacator

Boiler standard working pressure: 30 psig; max 45 psig.

For 45 psig order PRV: 9549 944  
List: \$46.-

### HydroLevel thermal reset boiler control

- With wall mounting kit
- With integrated low-water cut-off function
- Outdoor reset kit: 9648 803: \$58.-

### Vitotronic 100, KW10B for high temperature heating systems

- With indoor/outdoor system control
- With domestic hot water production and pump output
- With boiler pump output
- With compiled fault output (dry contact)
- With 0-10 VDC input
- With adjustable high limit and fixed high limit
- With space heating circuit switch
- With power indication, call for heat indication and burner/FHL fault indication
- With the Viessmann quick-connect plug-in system
- Cannot control mixing valves

### Vitotronic 200, KW2 for multiple temperature heating systems

Indoor/outdoor, digital boiler and heating system control

- With digital tracking of day and week
- With programmable time periods, heating curves, temperature setpoints and operating programs
- With DHW production management (sensor included)
- With integrated diagnostic system
- With adjustable high limit and fixed high limit
- With FHL test switch
- With power indication and sensor/burner fault indication
- Controls 1 mixing valve

Boiler Accessories	Part Number & Price
<b>Vitotronic-S Cascade Control</b> Digital outdoor reset boiler and heating system control. Master control for up to 4 boilers controlling 2 heating circuits with mixing valve and domestic hot water production. Each boiler must be equipped with a Vitotronic 100, KW10B control. LON enabled for multiple boiler installations.	7134 632 5,380.-
<b>Power Supply Adaptor</b> Mixing Valve/ Iso Valve 120/1/60	7134 560 226.-
<b>LON Communication module</b> for data exchange with Vitotronic-S cascade or other LON compatible supervision system (1 per boiler)	7834 357 565.-
<b>LON Connection Terminal</b> to convert standard LON cable of Vitotronic-S to 2 wire communication used in Vitotronic 100 KW10B (1 per Vitotronic-S)	7134 631 143.-
<b>Lead-Lag Expansion Kit (for single-stage boilers only)</b> for load dependent staging of a second boiler. First boiler must be equipped with Vitotronic 200, KW2. Second boiler must be equipped with Vitotronic 100, KW10B.	7133 897 793.-
<b>Output Module (potential- free contact)</b> for burner status, burner failure, high boiler temperature, and external (LWCO) alarm via LON (order 1 per boiler; max 4)	7134 562 821.-
<b>24V Digital DHW Tank Temp Control</b>	7726 376 72.-
<b>Switching Module-V</b> to expand the capabilities of Vitotronic 200 via remote burner enable and disable, providing for additional heat demand (pool, spa, snow melt, etc.), and/or use with an external contact or Telephone Interface Module to remotely change heating/operating mode of the heating circuit.	7133 387 354.-
<b>KM-BUS Expansion Module</b> to connect up to 9 devices to the single KM-BUS connection of the boiler control (Vitotrol, Switching Module-V, etc.)	7133 393 141.-
<b>Vitotronic Retrofit Housing for RN (SS)</b> Enables Vitotronic controls to be mounted on top of RN (SS) boiler	7133 923 447.-
<b>Vitotronic Retrofit Housing for RN (TS)</b> Enables Vitotronic controls to be mounted on top of RN (TS) boiler	7133 924 625.-
<b>Vitotronic Retrofit Housing for RS/AR</b> Enables Vitotronic controls to be mounted on top of RS/AR boiler	7133 925 327.-
<b>Vitotronic Retrofit Housing for VBC/VNE/BEA</b> Enables Vitotronic controls to be mounted on top of VBC/VNE/BEA boiler	7133 922 278.-
<b>Vitotronic 100, KW10B</b> For use with indoor/outdoor system control, DHW production and pump output and boiler pump output	7834 238 1,311.-
<b>Vitotronic 200, KW2</b> For use with indoor/outdoor system control. Uses programmable time periods, heating curves, temperature setpoints and operating programs. Also controls 1 mixing valve.	Z001 230 2,344.-
<b>Vitotrol 200A</b> Remote control for a single heating circuit. To program daytime temperature and operating program with party and energy saving button and with room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).	7438 363 222.-
<b>Vitotrol 300A</b> Remote Control for a single heating circuit to program daytime and nighttime temperature, DHW temperature, operating and holiday program, party and energy-saving features, switching times for heating circuit, DHW tank, and recirculation pump. With illuminated display and text prompts. With room temperature sensor for room-dependent activation (for heating circuit with mixing valve only).	7571 231 373.-
<b>Room Temperature Sensor</b> Use if the Vitotrol cannot be installed in a centralized location. (must be sold with remote control RS, Vitotrol 200, or Vitotrol 300A)	7133 379 158.-
<b>Mixing Valve Actuator (Mixing Valve Controller Accessory Kit)</b> to control a single heating circuit with one mixing valve, includes: mixing valve motor to operate ¾" to 2½" Viessmann mixing valves and supply temperature sensor.	7542 257 294.-
<b>DHW Pump Module</b> for Vitorond 100 with HydroLevel control	9543 430 1,792.-
<b>Wiring Harness</b> to integrate Tjernlund Combustion Air In-Forcer™ (field supplied) with Vitotronic control	7133 921 115.-
<b>Optional Pressure Relief Valve (45 psig)</b> Boiler standard working pressure is 30 psig, maximum working pressure 45 psig	9549 944 46.-

Viessmann 4-way Mixing Valves	¾"	1"	1¼"	1½"	2"
	7134 736 425.-	7134 737 456.-	7134 738 509.-	7134 739 564.-	7134 740 811.-

**Overview of Data Points:**

- Boiler set point (writable)
- DHW set point (writable)
- Boiler water temperature
- Modulation level
- Current modulation level
- Room set point temperature
- Outside temperature
- Boiler heat exchanger temperature
- DHW set point
- Celsius or Fahrenheit selections
- OEM diagnostic codes
- Boiler faults
- Flame status

Versatronik gateways are NOT compatible with the Viessmann Solar Module SM1 7533 427 nor the Viessmann Vitotronic 300, GW6B control 7542 124.

Please see tech manual for more details.

Model	Product Series	Max No. of Target Devices	Cascade Control Required	Boiler Comm. Card Required	Cascade Comm. Card Required	Part Number & Price
Versatronik 501 LON	CM2, VD2, VD2A, CT3	4	Yes	LON	LON	7521 345 3,302.-
Versatronik 581 NR2/ LON	B2HB	8	Yes	KMK/ LON	LON	7576 451 3,472.-
Versatronik 581 NR2/ LON	CM2 (din rail)	8	Yes	LON	LON	7576 452 3,298.-
Versatronik 512 NR2/ ModBUS (RS 485)	B2HA/ B2HB	8	Yes	KMK	LON	7521 346 3,302.-
Versatronik 512 NR2/ ModBUS (RS 485)	CM2, VD2, VD2A, CT3	4	Yes	LON	LON	7521 346 3,302.-
Versatronik 505 NR2/ BACIP	B2HA/ B2HB	8	Yes	KMK	LON	7521 347 3,576.-
Versatronik 505 NR2/ BACIP	CM2, VD2, VD2A, CT3	4	Yes	LON	LON	7521 347 3,576.-
Versatronik 521 OT/ LON	WB1B	1	No	No	N/A	7521 348 1,717.-
Versatronik 522 OT/ ModBUS	WB1B	1	No	No	N/A	7521 349 1,352.-
Versatronik 525 OT/ BACIP	WB1B	1	No	No	N/A	7521 350 1,664.-
Versatronik 531 Solar/ LON Compatible with Resol products only.	SCU 124/224 SCU 345, SEM	1	N/A	N/A	N/A	7521 351 1,339.-
Versatronik 532 Solar/ ModBUS (RS 485) Compatible with Resol products only.	SCU 124/224 SCU 345, SEM	1	N/A	N/A	N/A	7521 352 1,541.-
Versatronik 535 Solar/ BACIP (RS 485) Compatible with Resol products only.	SCU 124/224 SCU 345, SEM	1	N/A	N/A	N/A	7521 353 1,696.-
Versatronik 511 NR2/ LON	B2HA/ B2HB CM2, VD2A, VD2, CT3	16	No	LON	N/A	7521 354 3,302.-
Versatronik 515 NR2/ BACIP	B2HA/ B2HB CM2, VD2A, VD2, CT3	16	No	LON	N/A	7521 355 3,576.-

**NEW! Vitocell 300**  
Single steel DHW tank



The actual product appearance may vary from the images shown

**Single vertical stainless steel DHW tank**

Model	Capacity (USG)	Coils	Insulation	Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
EVIB-42	42	Single	PUR foam	126	25	26	47	7720 348 1,729.-
EVIB-53	53	Single	PUR foam	143	25	26	55½	7720 343 2,499.-
EVIB-79	79	Single	PUR foam	231	26¼	28	60½	7720 338 3,192.-
EVBB-79	79	Dual	PUR foam	249	26¼	28	68½	7720 336 4,110.-
EVIB-119	119	Single	Wrap-around	245	38¾	36¾	68½	ZK04122 4,027.-
EVBB-119	119	Dual	Wrap-around	275	38¾	36¾	68½	ZK04123 5,372.-

**Single horizontal stainless steel DHW tank**

Model	Capacity (USG)	Coils	Insulation	Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
EHA-53	53	Single	PUR foam	185	48¾	25¼	25¼	Z014848 3,724.-
EHA-92	92	Single	PUR foam	379	62½	32¾	31	Z014849 4,957.-
EHA-119	119	Single	PUR foam	421	65	35¾	35	Z014850 6,079.-

**Single horizontal stainless steel DHW tank with electronic anode rod**

Model	Capacity (USG)	Coils	Insulation	Weight (lbs)	Length (in)	Width (in)	Height (in)	Part Number & Price
EHA-92	92	Single	PUR foam	379	62½	32¾	31	Z015178 5,968.-
EHA-119	119	Single	PUR foam	421	65	35¾	35	Z015179 6,922.-

**Important!**

For commercial applications Viessmann strongly recommends the installation of an additional safety high limit Aquastat into the main domestic hot water discharge header to be wired in series with the operating limit Aquastat installed in the tank sensing well.

For residential applications Viessmann strongly recommends the installation of a temperature tempering valve in the domestic hot water supply line.

**Vitocell 300 EVIB-42, EVIB-53, EVIB-79, and EVBB-79 Notes:**

- Improved thermal insulation, due to high performance foam and thicker insulation
- New temperature measurement system
- Improved product quality due to fully automated foaming process

**Suitable for heating systems with:**

- Max. working pressure on heat exchanger side up to 220 psig at 392°F (200°C)
- Max. working pressure on DHW water side of up to 150 psig at 210°F (99°C)



**Standard EHA tank Equipment Includes:**

- DHW tank
- 150 psig temperature & pressure relief valve
- Installation fittings

EHA 53 cannot be stacked. A max of 2 EHA-92 tanks may be stacked or a max of 3 EHA-119 tanks.

EVIB-42, EVIB-53, EVIB-79, and EVBB-79 Product Accessories	
Thermometer (wall-mounted)	<b>COMING SOON!</b>
Transport System	<b>COMING SOON!</b>

EVIB-119, EVBB-119, EHA, and Legacy Product Accessories	
<b>Brass Elbow 1/2 x 160 1" for EVIA 42, 53, and 79 and EVB 79</b> with sensor well for tank temperature sensor (for solar applications only)	7175 213 47.-
<b>Brass Elbow 1/2 x 220 1" for EVI-119 and EVB-119</b> with sensor well for tank temperature sensor (for solar applications only)	7219 729 47.-
<b>Seismic Bracket kit for Vitocell 300 EVI-119 and EVB-119</b> Engineered seismic bracket kits which comply with local seismic requirements	7134 603 1,185.-
<b>24V Digital DHW Tank Temp Control</b> Indirect water heater temp control with a 90" sensor. Allows Viessmann indirect tanks to easily pair with boilers from other manufacturers.	7726 376 72.-
<b>DHW Pump Module with Aquastat for use with Vitorond 100 boiler</b> for Vitorond 100 with HydroLevel control only.	9543 430 1,792.-
<b>Consumable Anode (Rod) for Vitocell 100 CVA 42 and 53</b> Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7819 651 89.-
<b>Consumable Anode (Rod) for Vitocell 100 CVA 119</b> Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7819 652 104.-
<b>Consumable Anode (Rod) for Vitocell 100 CVB 119</b> Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7819 653 137.-
<b>Consumable Anode (Rod) for Vitocell 100 CVB 79</b> Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7823 192 112.-
<b>Consumable Anode (Rod) for Vitocell 100 CVB 119</b> Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7823 193 137.-
<b>Consumable Anode (Chain) for Vitocell 100 CVA 42 and 53</b> For tight service areas. Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7813 365 312.-
<b>Consumable Anode (Chain) for Vitocell 100 CVA 79 and 119 and Vitocell 100 CVB 79 and 119</b> For tight service areas. Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7265 133 235.-
<b>Tester for Vitocell 100 consumable anodes</b> Important: To maintain tank warranty consumable anode must be properly inspected and, where necessary, replaced every two years.	7246 582 334.- NET
<b>DHW Pump Module with Aquastat for use with Vitorond 100 boiler</b> for Vitorond 100 with HydroLevel control only.	9543 430 1,792.-
<b>DHW Production Controller</b> Includes a 3/4" coupling, a 3/4" x 6" sensor well and a Honeywell Aquastat	7639 692 281.-

# Vitosol 200-F

Solar Collector



Flat plate collector uses solar energy to produce domestic hot water or to supplement low-temperature space heating or pool heating systems, via heat-exchanger

Model	Absorber Area (ft <sup>2</sup> )	Orientation	Frame Construction	Shipping Weight (lbs)	Depth (in)	Width (in)	Height (in)	Part Number & Price
SV2F	25	Vertical	Blue powder-coated aluminum	97	41 <sup>3</sup> / <sub>4</sub>	93 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	7571 217 1,195.-
SH2F	25	Horizontal	Blue powder-coated aluminum	97	93 <sup>3</sup> / <sub>4</sub>	41 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	7561 684 1,198.-
<b>Interconnection pipes (1 pair)</b> Between collectors								7248 239 69.-
<b>General Connection Set</b> For a collector field of up to 12 collectors								7248 240 130.-
<b>Sensor Wall Set</b> (one REQUIRED per system)								7174 993 69.-
<b>Installation Fittings Set</b> to adapt from metric to 3/4" pipe (one REQUIRED per system)								7576 527 89.-
Mounting Accessories								
	1	2	3	4	5	6	8	10
Vertical Mounting Hardware for sloped, shingled roofs	Z003097 252.-	Z003098 414.-	Z003099 595.-	Z003100 773.-	Z003101 958.-	Z003102 1,132.-	Z003103 1,495.-	Z003104 1,854.-
Vertical Mounting Rack c/w Hardware <sup>1</sup> for a free-standing, flat roof installation, mounted to substructure. Collector angle: 25-60°	Z003145 535.-	Z003146 1,070.-	Z003147 1,605.-	Z003148 2,140.-	Z003149 2,675.-	Z003150 3,210.-	Z003151 4,338.-	Z003152 5,408.-
Horizontal Mounting Hardware for sloped, shingled roofs	Z003169 327.-	Z003170 608.-	Z003171 880.-	Z003172 1,161.-	Z003173 1,437.-	Z003174 1,714.-	Z003175 2,271.-	Z003176 2,824.-
Horizontal Mounting Rack c/w Hardware <sup>1</sup> for a free-standing, flat roof installation, mounted to substructure. Collector angle: 25-45°	Z003225 366.-	Z003226 732.-	Z003227 1,098.-	Z003228 1,464.-	Z003229 1,830.-	Z003230 2,196.-	Z003231 2,986.-	Z003232 3,718.-
Horizontal Mounting Rack c/w Hardware <sup>1</sup> for a free-standing, flat roof installation, mounted to substructure. Collector angle: 50-80°	Z005467 398.-	Z005468 807.-	Z005469 1,216.-	Z005470 1,625.-	Z005471 2,034.-	Z005472 2,443.-	Z005473 3,308.-	Z005474 4,126.-
Horizontal Mounting Rack c/w Hardware <sup>1</sup> for vertical (wall) installation angle from wall: 10-45°	Z005475 376.-	Z005476 810.-	Z005477 1,244.-	Z005478 1,678.-	Z005479 2,112.-	Z005480 2,546.-	Z005481 3,414.-	Z005482 4,282.-

Solar Accessories	
<p><b>Solar Supply/Return Piping Kit 50'</b> Flexible insulated piping system with set of 2 flexible stainless steel pipes (1/2" nominal diameter), set of 4 compression fittings 22mm, set of 4 copper connectors 2 1/2" by 22mm, set of 4 pipe supports including attachment hardware, weather proof, high temperature insulation, sensor wire, and one roll of weather proof tape.</p>	7511 569 998.-
<p><b>Solar Supply/Return Piping Kit 40'</b> Flexible insulated piping system with set of 2 flexible stainless steel pipes (1/2" nominal diameter), set of 4 compression fittings 22mm, set of 4 copper connectors 2 1/2" by 22mm, set of 4 pipe supports including attachment hardware, weather proof, high temperature insulation, sensor wire, and one roll of weather proof tape.</p>	7511 568 877.-
<p><b>Solar Supply/Return Piping Kit 20'</b> Flexible insulated piping system with set of 2 flexible stainless steel pipes (1/2" nominal diameter), set of 4 compression fittings 22mm, set of 4 copper connectors 2 1/2" by 22mm, set of 4 pipe supports including attachment hardware, weather proof, high temperature insulation, sensor wire, and one roll of weather proof tape.</p>	7511 567 523.-
<p><b>Splice Fittings, 22mm</b> To connect two pieces of solar supply/return piping together</p>	7817 370 60.-
<p><b>Compression Fittings, 22mm</b> To connect solar supply/return piping to the components of the solar system</p>	7817 369 60.-
<p><b>Copper Adapter</b> To adapt from 22mm to 3/4" pipe. 4" length</p>	9543 380 17.-
<p><b>Copper Connector</b> To interconnect 22mm component 2 1/2" length</p>	5276 590 8.-
<p><b>Solar Control Unit SCU 124</b> Electronic differential temperature control with one differential setting, 1 collector sensor and 2 tank sensors. Illuminated digital readout (in °F or °C) with user-friendly menu operation capable of managing one collector field and one DHW storage tank, 2 control relay outputs, 4 sensor inputs, and 3 system configurations. Communicates via Vbus with optional equipment. W: 4 1/4" H: 6 3/4" D: 1 3/4"</p>	7439 303 253.-
<p><b>Solar Control Unit SCU 224</b> Electronic differential temperature control with one differential setting, 2 collector sensor and 2 tank sensors. Illuminated digital readout (in °F or °C) with user-friendly menu operation capable of managing two collector field and two DHW storage tanks, 2 control relay outputs, 4 sensor inputs, and 10 system configurations. Communicates via Vbus with optional equipment. W: 4 1/4" H: 6 3/4" D: 1 3/4"</p>	7439 304 407.-
<p><b>Solar Control Unit SCU 345</b> Electronic differential temperature control with one differential setting, 2 collector sensor and 2 tank sensors. Illuminated digital readout (in °F or °C) with user-friendly menu operation capable of managing 2 collector field and 3 DHW storage tanks, 4 control relay outputs, 5 sensor inputs, and 9 system configurations, freely adjustable Delta-T and heat dump function, data logging onto internal SD card (card not included). Communicates via Vbus with optional equipment</p>	7511 929 617.-
<p><b>Solar Energy Meter SEM</b> Energy meter for recording energy produced by solar energy systems (kWh) Illuminated digital readout of temperatures and energy yield, communication via Vbus to DL2 Datalogger, suited for systems with water/glycol mixture up to 70% Requires V40 Flowmeter kit and 2 temperature sensors (order separately)</p>	7511 930 435.-
<p><b>Smart Display SD3</b> Serves as a visualization of collector and DHW tank temperature, as well as energy transfer within the solar system. Illuminated digital readout (°F and kWh), VBus interface for power and data. Can be used for wall-mount and table top use. Compatible with SCU 124, SCU 224 and SCU 345</p>	7416 047 624.-
<p><b>Datalogger DL2 with ServiceCenter software</b> Compact, wall-mounted device to capture system operational details enabling further analysis using ServiceCenter software, or using spreadsheet software. Ability to read Datalogger using 6 1/2ft Ethernet cable (included) directly connected to PC or router. Ability to change system settings of SCU/SEM using PC and ServiceCenter software. VBus interface Compatible with SCU 124, SCU 224, SCU 345 and SEM W: 5 1/4" H: 5 1/2" D: 1 3/4"</p>	7416 049 653.-
<p><b>Flowmeter kit</b> V40-06 rotary flowmeter for measuring the flow of solar fluid. Max. flow: 3 USGPM Max. temperature 250°F. 3/4"NPT connection fittings. 2 temperature sensors and 2 sensor wells 1/2" NPT included. Compatible with SCU 345 and SEM</p>	7511 931 461.-
<p><b>Flowmeter kit</b> V40-15 rotary flowmeter for measuring the flow of solar fluid. Max. flow: 6 USGPM Max. temperature 250°F. 3/4"NPT connection fittings. 2 temperature sensors and 2 sensor wells 1/2" NPT included. Compatible with SCU 345 and SEM</p>	7511 932 461.-
<p><b>Flowmeter kit</b> V40-25 rotary flowmeter for measuring the flow of solar fluid. Max. flow: 10 USGPM Max. temperature 250°F. 3/4"NPT connection fittings. 2 temperature sensors and 2 sensor wells 1/2" NPT included. Compatible with SCU 345 and SEM</p>	7511 933 461.-

All controls listed to the left are for indoor use only.

<b>Solar Accessories</b>					
<b>Strap-on sensor</b> for surface mounting on pipes with pipe clamp					7511 934 79.-
<b>Sensor Well</b> nickel plated copper construction. 1/2" thread, 1.77" depth					7511 935 37.-
<b>Interface Adapter</b> VBus to USB (software included). Allows for connection to a PC to view system activities and performance in real time. Obtained from the SCU or SEM and its sensors. ServiceCenter software CD and 31" VBus/USB adapter cable included. Compatible with SCU 124, SCU 224, SCU 345 and SEM					7416 050 244.-
<b>Interface Adaptor</b> VBus to PWM (0-10V). To enable control to operate a high-efficiency pump. Installed between the VBus output of the controller and 0-10V input of pump Compatible with SCU 124, SCU 224, SCU 345 and SEM					7511 936 242.-
<b>Automatic Air Vent</b> Air separator, shut-off valve and 22mm diameter brass compression couplings. Not required if using Solar-Divicon. Req. 2x 9543 380 copper adapters if ordered individually (and not with an installation fittings set)					7316 049 133.-
<b>Fast Air Vent</b> For use in high point of collector array. With shut-off valve, brass piping tee and brass compression couplings (22mm diameter). Req. 2x 9543 380 copper adapters if ordered individually (and not with an installation fittings set).					7298 127 108.-
<b>Manual Air Vent</b> For use in high point of collector array. With manual key vent and brass compression couplings (22mm diameter). Req. 2x 9543 380 copper adaptors if ordered individually (and not with an installation fittings set).					7316 263 29.-
<b>Brass Elbow 1/2 x 160 1" for EVI/CVA 42, 53, and 79 and EVB 79</b> with sensor well for tank temperature sensor (for solar applications only)					7175 213 47.-
<b>Brass Elbow 1/2 x 220 1" for CVA 119</b> with sensor well for tank temperature sensor (for solar applications only)					7175 214 47.-
<b>Brass Elbow 1/2 x 220 1" for EVI-119 and EVB-119</b> with sensor well for tank temperature sensor (for solar applications only)					7219 729 47.-
<b>Solar Hand Pump</b> to fill and increase pressure					7639 450 181.-
<b>Mobile Solar Charge Station</b> to flush and fill glycol of solar systems with telescopic handle, 120/1/60, 8 USG per min pump, dirt filter on suction side, 1 charge hose, 1 suction hose, and an 8 USG storage tank for glycol.					7497 469 1,172.-
<b>Glycol Tester</b> For solar fill.					7316 074 62.-
<b>Tyfocon HTL Solar Fill</b> 5.28 USG/ 20 Ltr. Solar fill premixed for protection to -31°F /-35°C					7316 098 176.-
<b>Solar Expansion Tank (in USG)</b>	4 3/4"	6 1/2"	10 1/2"	13 1/4"	21 1/4"
With mounting hardware including air bleed and shut-off valve. Req. 1x 9516 310 brass coupling if ordered individually (and not with an installation fittings set).	7248 241 176.-	7248 242 226.-	7248 243 287.-	7248 244 425.-	7248 245 536.-
<b>Solar Divicon DN 20B</b> Pre-assembled Solar Pumping Station with everything required to pump solar fluid from a collector array to a Vitocell internal coil storage tank. Fast and easy to install with wall-mount bracket. Components include three-speed pump, system fill manifold, 2x thermometers, 2x ball valves, 2x flow check valves in solar loop, 87 psig pressure relief valve, pressure gauge, flow meter, air separator, and insulation cover. H: 21" W: 11 1/2" D: 6 1/2" DN25					7570 634 899.-
<b>Solar Divicon DN 25B</b> Preassembled Solar Pumping Station with everything required to pump solar fluid from a collector array to a Vitocell internal coil storage tank. Fast and easy to install with wall-mount bracket. Components include three-speed pump, system fill manifold, 2x thermometers, 2x ball valves, 2x flow check valves in solar loop, 87 psig pressure relief valve, pressure gauge, flow meter, air separator, and insulation cover. H: 18 1/4" W: 12" D: 7"					7552 453 1,204.-

<b>Solar Accessories</b>	
<p><b>Solar Supply/ Return Piping Kit 50'</b> Flexible insulated piping system with set of 2 flexible stainless steel pipes (1/2" nominal diameter), set of 4 compression fittings 22mm, set of 4 copper connectors 2 1/2" by 22mm, set of 4 pipe supports including attachment hardware, weather proof, high temperature insulation, sensor wire, and one roll of weather proof tape.</p>	<p>7511 569 998.-</p>
<p><b>Solar Supply/ Return Piping Kit 40'</b> Flexible insulated piping system with set of 2 flexible stainless steel pipes (1/2" nominal diameter), set of 4 compression fittings 22mm, set of 4 copper connectors 2 1/2" by 22mm, set of 4 pipe supports including attachment hardware, weather proof, high temperature insulation, sensor wire, and one roll of weather proof tape.</p>	<p>7511 568 877.-</p>
<p><b>Solar Supply/ Return Piping Kit 20'</b> Flexible insulated piping system with set of 2 flexible stainless steel pipes (1/2" nominal diameter), set of 4 compression fittings 22mm, set of 4 copper connectors 2 1/2" by 22mm, set of 4 pipe supports including attachment hardware, weather proof, high temperature insulation, sensor wire, and one roll of weather proof tape.</p>	<p>7511 567 523.-</p>

VEM-VEC				
Part Number	Description	List Price (USD)	QTY	Total
ZK03516	Spare Parts Kit VEM-VEC (includes all parts below)	3,232.-	1	3,232.-
7147839	Access. Pack 1, VGA/VEM	33.-	1	33.-
7822310	Access. Pack 2 (Bnr Parts) VEM	71.-	1	71.-
9668977	Air Vent (Afriso) w Shut-off Base 3/8"	19.-	2	38.-
7815798	Burner Ctrl, Oil f VEC	186.-	1	186.-
7822081	Burner Ctrl, Oil f VEM	215.-	1	215.-
7218504	Burner Housing Gskt, VGA/VG/VEM/VEC	21.-	2	42.-
7836856	Burner Motor, 120/1/60 VEM	374.-	1	374.-
7839082	Burner Motor, VEC w Capacitor	452.-	1	452.-
7816460	Cad Cell (Siemens), QRB1B-A30Y25H VEM	56.-	1	56.-
7813558	Flame Monitor c/w Plug Nr. 124	57.-	1	57.-
7404364	Fuse, T4.0A/250V (Set of 10)	21.-	1	21.-
7810583	Ign. Electrode Block VEC, VEM-40/50/63	53.-	2	106.-
7815390	Ignition Cable Set VEC/VG/VEIII/Unit	22.-	1	22.-
7816395	Ignition Cable, VGA/VEM	27.-	1	27.-
7810713	Ignition Electrode Block, VEC, VEM-18-50	50.-	2	100.-
7838311	Ign. Transf. VEM/CM2/CA3	168.-	1	168.-
7812113	Ign. Transf. Oil VEC	230.-	1	230.-
7819282	Lock Mechanism (Burner Hood) VEIII/VEM	13.-	1	13.-
9543012	Oil Filter Assly (Ov, 2 Strand)	96.-	1	96.-
7133088	Oil Filter Insert (w O-Ring)	16.-	6	96.-
9560846	Oil Nozzle 0.40 x 45 ST (Steinen) VEM-18	18.-	1	18.-
9517226	Oil Nozzle 0.50 x 45 ST (Steinen) VEC-18	35.-	1	35.-
9560847	Oil Nozzle 0.60 x 45 S (Steinen) VEM-22	18.-	1	18.-
9501756	Oil Nozzle 0.65 x 45 S (Steinen) VEC-22	35.-	1	35.-
9507363	Oil Nozzle 0.75 x 45 S (Steinen) VEM/C-33	35.-	1	35.-
9542986	Oil Nozzle 1.00 x 45 S (Steinen) VEM/C-40	18.-	1	18.-
9507364	Oil Nozzle 1.25 x 45 S (Steinen) VEM/C-50	32.-	1	32.-
9560848	Oil Nozzle 1.65 X 45 S (Steinen) VEM-63	18.-	1	18.-
7834262	Oil Pump 120V (Suntec) VEM/VEC ALV35C	254.-	1	254.-
7815125	O-Ring 19 x 2,5 Simrit	11.-	1	11.-
7817919	Rebuild Kit (Suntec) VEM/VEC	54.-	2	108.-
7815498	Serv. Key 5x200 VG/VEC	22.-	1	22.-
7218426	Shaft Bushing VEC	13.-	1	13.-
7836850	Shaft Bushing, VEM	31.-	1	31.-
7822087	Solenoid Coil 110V (Suntec) VEM/VEC	98.-	1	98.-

VG-VGA				
Part Number	Description	List Price (USD)	QTY	Total
ZK03517	Spare Parts Kit VG-VGA (includes all parts below)	2,932.-	1	2,932.-
7817278	Access. Pack (Burner Parts), VGA	35.-	1	35.-
7147839	Access. Pack 1, VGA/VEM	33.-	1	33.-
9668977	Air Vent (Afriso) w Shut-off Base 3/8"	19.-	2	38.-
7815797	Burner Ctrl, VGA / VG	676.-	1	676.-
7218504	Burner Housing Gskt, VGA/VG/VEM/VEC	21.-	1	21.-
7822084	Burner Motor, 120/1/60 VGA EB95C52/2T	297.-	1	297.-
7404364	Fuse, T4.0A/250V (Set of 10)	21.-	1	21.-
9556616	Gas Valve (Dungs), NG 1/2"x1/2" MVDLE 120V	702.-	1	702.-
7088562	Gasket 21 x 30 x 2 (Set of 5) VGA	9.-	1	9.-
7822118	Grounding Electrode, VGA/VG	49.-	2	98.-
7813536	Grounding Wire, VGA/VG	6.-	1	6.-
7273132	Harness Gas Valve w Plug #129 VG	35.-	1	35.-
7815390	Ignition Cable Set VEC/VG/VEIII/Unit	22.-	1	22.-
7816395	Ignition Cable, VGA/VEM	27.-	1	27.-
7810589	Ignition Electrode, VG/VGA	59.-	2	118.-
7812114	Ign. Transf. Gas VG	443.-	1	443.-
7822082	Ign. Transf. VGA	89.-	1	89.-
7813521	Ionization Electrode Cable VG	59.-	1	59.-
7817243	Ionization Electrode Cable, VGA	59.-	1	59.-
7810148	Ionization Electrode, VEI/II VGA/VG	62.-	2	124.-
7815498	Serv. Key 5x200 VG/VEC	22.-	1	22.-

Control Consoles				
Part Number	Description	List Price (USD)	QTY	Total
7826988	Control Console, Vitodens 100 WB1A-24	915.-	1	915.-
7826987	Control Console, Vitodens 100 WB1A-30	915.-	1	915.-
7427419	Control Console, Vitodens 100 WB1B-26	663.-	1	663.-
7427420	Control Console, Vitodens 100 WB1B-35	663.-	1	663.-
7841526	Control Console, Vitodens 100 WB1Bc 26	573.-	1	573.-
7841527	Control Console, Vitodens 100 WB1Bc 35	573.-	1	573.-
7870769	Control Console, Vitodens 100 B1HA/B1KA v5	706.-	1	706.-
7841684	Control Console, Vitodens 200 B2HA/B2HB 68/94/125 TT	1,129.-	1	1,129.-
7862302	Control Console, Vitodens 200 B2HA/B2HB 160/199 TT	934.-	1	934.-
7862304	Control Console, Vitodens 200 B2HA 285/311/352 TT	1,055.-	1	1,055.-
7849641	Control Console, Vitodens 200 B2HA 399/530 TT	1,069.-	1	1,069.-
7838384	Control Console, Vitodens 200 WB2B 19/26/35/45/60	797.-	1	797.-
7838386	Control Console, Vitodens 200 WB2B 80/105	797.-	1	797.-
ZK03168	Control Console Pack, Vitodens 200 WB2A	968.-	1	968.-
7841684	Control Console, Vitodens 222-F B2TA/B2TB 68-125 TT	1,129.-	1	1,129.-
7862305	Control Console, Vitocrossal 300 CU3A v3 TT	1,500.-	1	1,500.-



### ViCare Application

ViCare is a portable “peace of mind” app which informs, educates, and empowers end users to reduce their consumption while not sacrificing comfort. ViCare can be downloaded on IOS and Android operating systems

The ViCare app is the best way for owners to connect to a Viessmann residential heating system. The app offers the possibility to control your heating system via any connected mobile device. With a simple user interface ViCare makes operation intuitive and accessible on demand.

Simple, convenient control for the heating system. Set temperatures, store daily schedules to reduce energy use & more. Download for IOS or Android.

The ViCare App gives the system operator a high level of operational comfort with minimal knowledge of heating technology required. It allows mobile operation of the heating system for heating and DHW, and features assistance functions and fault display with option for direct connection to a contractor for service requests.

Please note: We publish the functions gradually! You can expect several small updates in the next weeks and months. There will always be something new to discover.

**Important:**

The ViCare app can be used in conjunction with an internet-compatible Viessmann heating system or in conjunction with the Viessmann Vitoconnect WLAN module or a Viessmann heating system with an integrated Internet interface. Please refer to the boiler manual for more information. Please note that functions available in ViCare are depending on functions available on the boiler itself.

**Peace of Mind**

Warmth and reassurance in one.

- In one view, get an instant check if everything is in order

**Save on costs**

Set your preferred heating schedule and save money when you're away from home.

- Simple, convenient operation of your heating system
- Store daily schedules and automatically save energy costs
- Set basic functions at the touch of a button on your smartphone On Demand Domestic Hot Water saves money and increases comfort

**Core functions (depending on heating system):**

- Displaying the status of your heating
- Capability to set up the most important functions of your heating system
- Store your daily routine to automatically save energy costs
- View outside temperature history
- Shortcuts e.g.: I want hot water or I'm away
- Holiday program



### Vitoguide Application

The Vitoguide app is a portable local commissioning, guided spare parts replacement, and handheld service tool that can be downloaded on IOS and Android operating systems. It enables best in class speed, ease, and profitability of commissioning and service functions without sacrificing efficiency and system capability

Local service and maintenance with Vitoguide for optimizing workflow in the Viessmann trade partner's operation. Enhanced professional care for the boiler, including guided spare parts replacement, when connected with the heating contractor.

Vitoguide is an essential part of every Viessmann installer and service technician's tool box. For more information and training, look for training modules at on the Viessmann Academy website.

In addition to the free version, paid-for versions Vitoguide Pro and Vitoguide Premium with additional analysis, remote maintenance and optimizing functions will also be available.



### Vitoguide Remote Service Web Application

The Vitoguide Web Application is a remote service tool for contractors and commercial operators that accesses boiler data points in an intuitive online (website) interface. These data points can be retrieved at Vitoguide.viessmann.com by participating contractors upon receiving owner permission. (In residential applications this is done through ViCare, a homeowner application. See Price List 1 or visit us online for more information regarding the ViCare app).

Participating contractors can provide assistance with scheduling, heating curve adjustments, remote troubleshooting with read and write data point access, and maintenance scheduling. Vitoguide creates extreme accessibility for the contractor and reduces nuisance service trips while maintaining the highest levels of data security for homeowners and building owners.

\*In commercial applications Vitoguide Web Application can also be accessed by building operators for maintenance and monitoring of systems in collaboration with a Viessmann service provider.

Visit us online for the most up to date information on new tools, functions, and applications.

## I. General Provisions

1. All references to "Viessmann" in this document include Viessmann Manufacturing Company (U.S.) Inc. and any parent, subsidiary, or affiliate. References to "Buyer" include all parents, subsidiaries, or affiliates of the party ordering products or services from Viessmann. All sales of Viessmann products and quotations for Viessmann products are governed by these Terms and Conditions of Sale, Delivery, and Payment (the "Terms"), which shall prevail over any inconsistent terms in Buyer's purchase order or other documents. Additional or different terms and conditions in any way altering or modifying these Terms are expressly objected to and shall not be binding upon Viessmann unless specifically accepted by Viessmann in writing. No modification or alteration of these Terms shall occur by Viessmann's shipment of products following receipt of Buyer's purchase order or other document containing additional, inconsistent, or conflicting terms.
2. Any product purchased from Viessmann in the United States is for resale and use only in the United States. Buyer agrees that it will not resell Viessmann products for use or installation outside of the United States and will take all reasonable and necessary steps to ensure that the Viessmann products are resold only for use and installation in the United States.

## II. Plans and Specifications

1. Drawings, specifications and technical data appended to or forming part of a specific sales contract shall at all times remain the property of Viessmann, with all rights reserved and shall not be provided, submitted or disclosed to third parties without the express written consent of Viessmann. Changes, alterations, deletions or additions thereto shall not be binding upon Viessmann unless confirmed in writing by Viessmann.

## III. Prices and Quotations

1. Viessmann reserves the right to change, alter, amend or revoke prices and quotes, including prices on websites and in pricelists and catalogs, without notice, and all such prices expire and become invalid unless accepted within 60 calendar days.
2. Prices are, except as otherwise agreed, exclusive of cost of packaging, crating, freight or shipping, federal, state or local taxes in effect on date of delivery. All taxes imposed on sales or shipments will be added to the purchase price and be reimbursed by Buyer. All prices and other terms shall be kept confidential and disclosed only as required by law.

## IV. Terms of Payment

1. For all Viessmann products, all invoices or accounts, as the case may be, are due and payable in full without deduction thirty (30) days after invoice date, unless otherwise specifically agreed in writing.

2. Notwithstanding the preceding paragraph, all orders are subject to Viessmann's continuing approval of Buyer's credit. If Buyer's credit is not approved or becomes unsatisfactory to Viessmann then Viessmann, in its sole and absolute discretion, may suspend or cancel performance, or require different payment terms, including but not limited to cash on delivery or in advance of shipment. Viessmann, in its sole and absolute discretion, may apply Buyer's payment to any open charges or sums owed, including interest charges.

3. Holdbacks or deductions of any kind whatsoever without prior written authorization from Viessmann are expressly prohibited. Viessmann shall have rights of setoff and recoupment.

4. Discounts, if any, shall be calculated on the cost of products as per invoice, exclusive of cost of packaging, crating, federal, provincial, state or local rates, tariffs or taxes, where applicable, or other costs or surcharges beyond control of Viessmann.

5. Payments must be made in U.S. dollars by bank check, ACH wire transfer or money order. All costs for dishonor, presentment for payment or collection shall be at the expense of the Buyer.

6. Overdue accounts shall bear interest at the rate stated on the face of the invoice.

## V. Delivery of Products

1. Viessmann shall not be liable for delay or default in delivery resulting from any cause beyond its control, including but not limited to governmental action, strikes or other labor issues, fire, damage or destruction of products or facilities, wars, acts of terrorism, manufacturers and/or suppliers shortages, availability or timeliness of transportation, materials or supplies, and acts of God (each a "Force Majeure event"). Upon the occurrence of a Force Majeure event: (a) the time for Viessmann's performance shall be reasonably extended; (b) the purchase price to Viessmann shall be adjusted for any increased costs Viessmann incurs from the Force Majeure event; and (c) Buyer shall not be entitled to any other remedy.
2. In the event of delay of delivery of products caused by the Buyer for any reason whatsoever Viessmann shall be entitled to charge the cost of storage calculated at the rate of one half percent (0.5%) per month upon the cost of products, such calculation commencing one month after delivery of Notice of Readiness for shipment and continuing for each and every month or part thereof thereafter until the delivery of products to the Buyer.

## VI. Risk of Property

1. Sales of Viessmann products are made FOB Origin, freight collect or FOB Origin, Freight Prepaid and charged back. The FOB point shall be Viessmann's office or warehouse. Title and risk of loss shall pass to Buyer at the FOB point.
2. Deficiencies or defects in products or part thereof shipped or shipment of wrong products or part thereof shall be endorsed upon the bill of lading and shall be communicated to Viessmann in writing within eight (8) calendar days of arrival at destination. Failing such notification shall be deemed to have accepted the products without recourse.

## Viessmann

Appendix 1 continued

### VII. Return of Products

1. No products may be returned to Viessmann without prior written authorization.
2. If returns are authorized by Viessmann, products will be accepted as follows:
  - (i) Buyer must provide proof of purchase, invoice and/or serial number to receive a Return Products Authorization number from Viessmann. Upon authorization from Viessmann, freight will be prepaid by the buyer.
  - (ii) Item and packaging must be new and in saleable condition. Twenty-five percent (25%) restocking charge on product returned after 30 days of purchase.
  - (iii) Electronic parts, where factory seal has been broken are not returnable.
  - (iv) Discontinued products and/or parts are not returnable.

### VIII. Limitation of Liability

Viessmann's total liability to Buyer for any claim arising under the Terms or from the supply of products or services shall not exceed the purchase price specified on the face of the invoice. VISSMANN SHALL NOT IN ANY EVENT BE LIABLE FOR INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL OR LIQUIDATED DAMAGES OR PENALTIES, INCLUDING CLAIMS FOR LOST REVENUE, PROFITS OR BUSINESS OPPORTUNITIES, EVEN IF VISSMANN HAD OR SHOULD HAVE HAD ANY KNOWLEDGE, ACTUAL OR CONSTRUCTIVE, OF THE POSSIBILITY OF SUCH DAMAGES.

### IX. Indemnity

Buyer shall and does hereby agree to defend, indemnify and hold Viessmann harmless of and from any and all liability loss, cost, injury, damage, demand and expense (including, without limitation, reasonable attorneys' fees) of any kind whatsoever arising out of, on account of, or in connection with a breach of these Terms, Buyer's negligence or willful misconduct (including that of its employees, contractors and agents), improper installation of the products and/or any use or misuse of the products. This indemnity shall not be affected or terminated by reason of the termination of these Terms or purchase, for any reason, with respect to all or any part of the products.

### X. Warranties

THE WRITTEN LIMITED WARRANTY ACCOMPANYING THE PRODUCTS IS THE EXCLUSIVE WARRANTY APPLICABLE TO THE PURCHASED VISSMANN PRODUCTS. THAT WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES WITH RESPECT TO THE PURCHASED VISSMANN PRODUCTS. VISSMANN MAKES NO OTHER WARRANTIES WITH RESPECT THERETO, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR

PURPOSE. ANY SUCH WARRANTY IMPOSED BY LAW IS LIMITED TO THE PERIOD OF THE LIMITED WARRANTY PROVIDED IN THE LIMITED WARRANTY ACCOMPANYING THE PRODUCTS. NO WARRANTY ARISING BY USAGE OR CUSTOM, OR COURSE OF PERFORMANCE IS GIVEN BY VISSMANN OR SHALL ARISE IN CONNECTION WITH THAT LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you in that respect.

### XI. Applicable Law and Forum

1. These Terms shall be governed by the law of Rhode Island without regard to its choice of law principles.
2. All disputes based upon or arising out of these Terms or the parties commercial relationship shall be brought before the state or federal courts of the State of Rhode Island, which shall have exclusive jurisdiction over all such disputes. The parties waive any objections to venue in, or the exercise of jurisdiction by, the state and federal courts in Rhode Island.

### XII. Other

1. The invalidity or unenforceability of some or all of these Terms will not affect the validity or enforceability of the other terms. The parties agree to replace any void or unenforceable term with a new term that achieves substantially the same practical and economic effect and is valid and enforceable.
2. Buyer shall pay all of Viessmann's costs of collection, suit or other legal action brought as a result of the commercial relationship between them, including but not limited to attorney's fees and costs, pre-suit through trial and appeal.

Warranties			
Product	Type	Residential Use	Commercial Use
<b>Vitodens 100-W</b> <b>Vitodens 200-W</b>  <b>Vitodens 222-F</b> boiler only  <b>Vitocrossal 300</b> CU3A series only	Wall-mounted (Vitodens 100-W and 200-W) and floor mounted (Vitodens 222-F and Vitocrossal 300 CU3A), condensing stainless steel boilers	Limited lifetime for pressure vessel. Limited 2 year for parts. Can be extended to 5 years under the Limited Conditional Registered and Connected Parts Warranty. <sup>1</sup>  See product warranty for more details.	Limited 10 years for pressure vessel. Limited 2 year for parts. Can be extended to 5 years under the Limited Conditional Registered and Connected Parts Warranty. <sup>1</sup>  See product warranty for more details.
<b>Vitocell 100</b>	Ceraprotect-lined indirect-fired domestic hot water tanks	Limited 8 years for heat exchanger coil and tank. Limited 2 years on insulation jacket, controls and accessories.  See product warranty for more details.	Limited 3 years for heat exchanger coil and tank. Limited 2 years on insulation jacket, controls and accessories.  See product warranty for more details.
<b>Vitocell 300</b>  <b>Vitodens 222-F</b> DHW vessel only	Stainless steel indirect-fired domestic hot water tanks	Lifetime for heat exchanger coil and tank to original owner and installation site. Limited 2 years on insulation, jacket, controls and accessories.  See product warranty for more details.	Limited 8 years for heat exchanger coil and tank. Limited 2 years on insulation, jacket, controls and accessories.  See product warranty for more details.
<b>Vitosol</b>	Solar heating systems	Limited 10 years for solar collectors. Limited 2 years on controls and accessories.  See product warranty for more details.	Limited 10 years for solar collectors. Limited 2 years on controls and accessories.  See product warranty for more details.

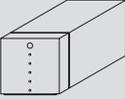
<sup>1</sup> Limited Conditional Registered and Connected Parts Warranty: Where applicable, and when properly installed and configured by a Contractor, if the Owner registers and connects/interfaces the Boiler with the Viessmann "ViCare" Mobile Application within 60 days of installation, for a continuous duration (less minor and temporary connectivity interruptions such as power or network outages), all parts and accessories provided with the Boiler by Viessmann are warranted for as long as connectivity and interface with the application remains constant, up to **FIVE (5) YEARS** from the Date of Installation. Replacement or repaired parts provided under this Warranty are warranted for the applicable unexpired period of this Warranty.

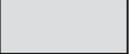
## Venting Categories

Venting Categories			
Product	Classification	Draft Type	Minimum Material Requirement
Vitorond 100 <sup>1</sup> VR1 Series		Negative draft, Non-condensing	B-Vent or equivalent
Vitodens 100-W B1HE/B1KE Series  Vitodens 200-W B2HE Series  Vitodens 200-W B2HA Series  Vitodens 222-F B2TB Series  Vitocrossal 300 CU3A series	Category IV	Positive draft, Condensing	Coaxial or PP(s) venting certified to UL 1738 or ULC S-636  Stainless steel venting certified to UL 1738 or ULC S-636  CPVC venting certified to UL 1738 or ULC S-636

<sup>1</sup> Barometric damper must be used.

Free-Standing Boilers										
Oil-/Gas-Fired Heating Boilers										
			CSA	AHRI	NY	MASS	CEC	ASME	Ener Star	Ener Verif.
Sectional cast iron boilers		<b>Vitorond 100 VR1</b>	√	√	below	exempt	√	√	√	√
		MEA# 15-01-E								
		<b>Vitocrossal 300 CU3A</b>	√		√	√	√	√	√	
Gas-Fired Condensing Boilers										
			CSA	AHRI	SCAQMD	MASS	CEC	ASME	Ener Star	Ener Verif.
		<b>Vitodens 100-W B1HE/B1KE</b>	√	√	√	√	√	√	√	√
	<b>Vitodens 200-W B2HE</b>	√	√	√	√	√	√	√	√	√
	<b>Vitodens 200-W B2HA</b>	√	√	√	√	√	√	√	√	√
		<b>Vitodens 222-F B2TB</b>	√	√	√	√	√	√	√	√

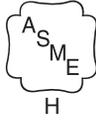
Indirect-Fired Domestic Hot Water Storage Tanks						
		CSA	NY	MASS	AHRI	
	<b>Vitocell 300-H</b>	√	below	√		
		MEA# 71-90-E				
	<b>Vitocell 300-V</b>	√	below	√	√	
	<b>Vitocell 300-B</b>	√	exempt	√	√	
		MEA# 71-90-E				

Solar Systems												
Solar Collectors												
		ICC-SRCC										
	<b>Vitosol 200-F SV2F</b>	√										
		SV2F	OG 100 10002029									
	<b>Vitosol 200-F SH2F</b>	√										
		SH2F	√	OG 100 10002026								

Viessmann

**ASME H**

Boiler and pressure vessel built to ASME Sec. IV. American Society of Mechanical Engineers. Applicable in Canada and USA.



**AHRI**

Air Conditioning, Heating and Refrigeration Institute Listing is issued for gas- and oil-fired boilers rated < 300 MBH which have AFUE values (residential), and also for units > 300 MBH which have combustion efficiency ratings (commercial). Applicable in Canada and USA.



**Energy Star Logo Listing.**

Issued for oil and gas boilers with < 300 MBH only. Applicable in Canada and USA.



**CRN**

Canadian Registration Number approval. Issued for Canadian products complying with CSA-B51 standard and the respective "Provincial Boiler and Pressure Vessel Act". Acceptance in all provinces is indicated with a "C". Applicable in Canada only.

**NY**

New York City approval. Bureau of Air Resources (BAR) for oil boilers greater than 20 GPH. Applicable in NY City only.

**Energy Verification**

Logo Listing. Issued for products with < 300 MBH. Applicable in Canada only.



**CSA**

Canadian Standards Association approval. Tests products for compliance to Canadian and American codes and standards. Applicable in Canada and USA.



**MASS**

Massachusetts State approval. Applicable to gas-fired boilers and indirect-fired domestic hot water tanks only. Applicable in Massachusetts only.

**ICC-SRCC Certification**

Solar Rating and Certification Corporation.



**SCAQMD**

South Coast Air Quality Management District.



**CEC**

California Energy Commission listing. Applicable in California only.

**CSA**

CSA Low Lead Content Certification Program including US Safe Drinking Water Act, NSF/ANSI 372 as well as other US State requirements. Applicable in Canada and USA.



