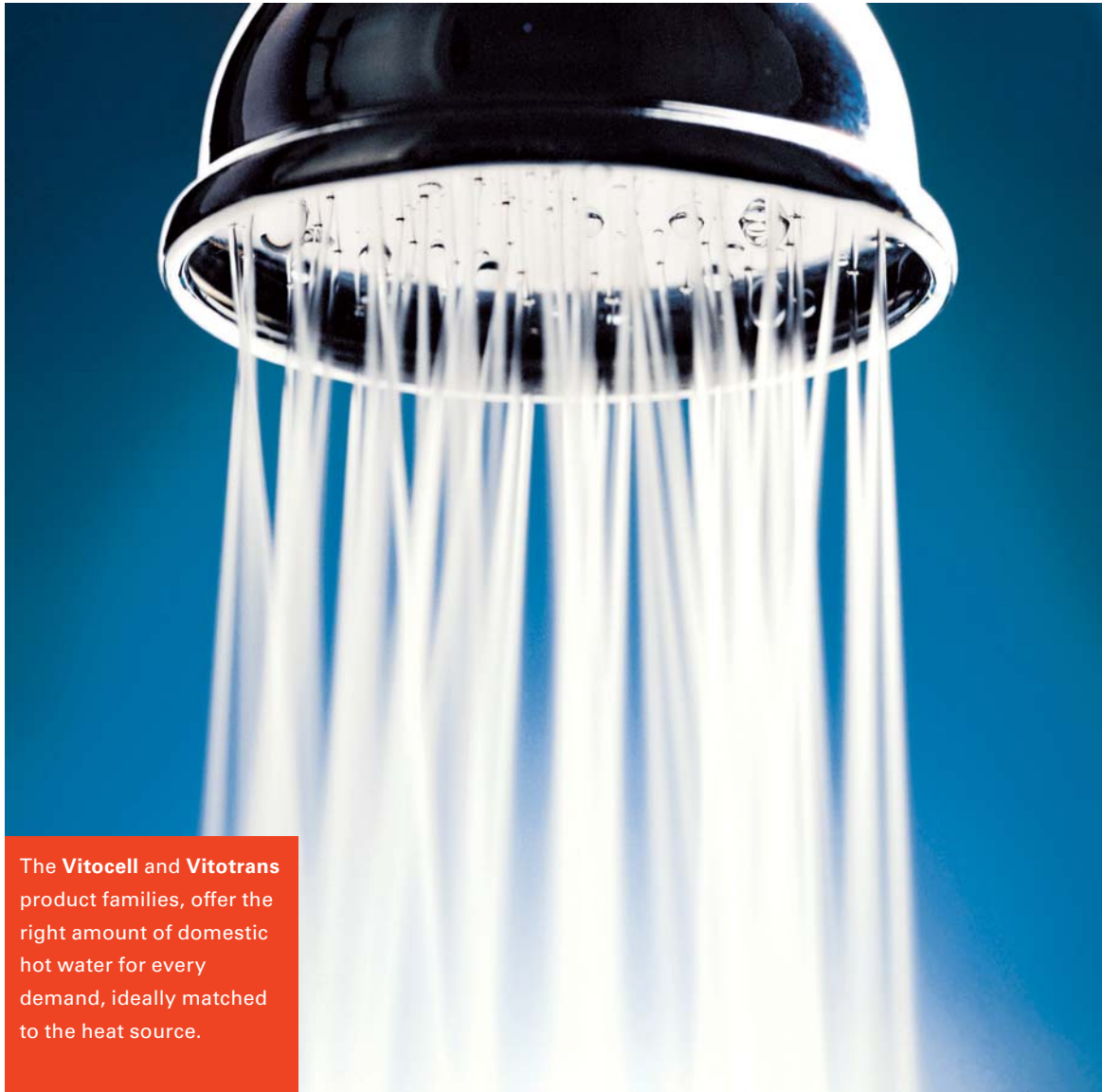


DOMESTIC HOT WATER SOLUTIONS

Domestic hot water tanks and DHW heating stations

VITOCCELL 300

VITOTRANS 300



The **Vitocell** and **Vitotrans** product families, offer the right amount of domestic hot water for every demand, ideally matched to the heat source.

VITOCCELL 300



Experience Viessmann hot water technology! Comfort, convenience and reliability in one package. Available in vertical and horizontal designs, from 42 to 119 USG / 160 to 450 liters. See how you can improve your domestic hot water comfort today.

BENEFITS AT A GLANCE

- + No worries – Lifetime warranty for all Vitocell 300 DHW tanks.
- + Convenience – Fast recovery rates ensure abundant supply of domestic hot water all day long.
- + Comfort – Tank coil extends to tank bottom guaranteeing even water temperatures at all times.
- + High level of operational reliability and a long service life due to high grade stainless steel construction.
- + Extremely efficient indirect hot water production by boiler. Save up to 50% of your operating cost compared to conventional direct-fired hot water production.
- + High-performance insulation keeps standby losses and operating cost at a minimum.
- + Space-saving options: Vitocell 300-H tanks can be stacked on top of each other (350 and 450 ltr sizes). Zero clearance to combustibles for all Vitocell 300 tanks.
- + Scale- and corrosion-resistant, ideal for areas with poor water quality. Completely hygienic!
- + High-volume hot water – Several Vitocell 300 tanks can be combined into tank batteries.
- + All sizes now with NPT connections

Technical Information

| Model | | -V (vertical) | | | | -H (horizontal) | | | | -B (dual-coil vertical) | |
|-------------------------------|--------|---------------|------|------|------|-----------------|-----|-----|-----|-------------------------|------|
| | | EVIB | EVIB | EVIB | EVIB | EHA | EHA | EHA | EHA | EVBB | EVBB |
| Capacity | USG | 42 | 53 | 79 | 119 | 42 | 53 | 92 | 119 | 79 | 119 |
| | ltr | 160 | 200 | 300 | 450 | 160 | 200 | 350 | 450 | 300 | 450 |
| Dimensions (inches) | Width | 26 | 26 | 28 | 35½ | 25¼ | 25¼ | 32¾ | 35¾ | 28 | 35½ |
| | Depth | 25 | 25 | 26¼ | 32¾ | 42¼ | 48¾ | 62½ | 65 | 26¼ | 32¾ |
| | Height | 47 | 55½ | 68½ | 77 | 25¾ | 25¾ | 31 | 35 | 68½ | 77 |
| Weight | lbs | 126 | 143 | 231 | 226 | 168 | 185 | 379 | 421 | 249 | 259 |

Note: EVIB-119 and EVBB-119 come with soft foam wrap around insulation



Vitocell 300-H Compact and "stackable"



Vitocell 300-V, up to 42 USG / 160 ltr capacity
Vitoppearlwhite



Vitocell 300-V, up to 79 USG / 300 ltr capacity
Vitoppearlwhite



Vitocell 300-B, dual coil up to 119 USG / 450 ltr capacity

Viessmann's vertical hot water tanks are certified with AHRI according to the Performance of Indirect-Fired Water Heaters Standard.

AHRI Certified Performance Rating *

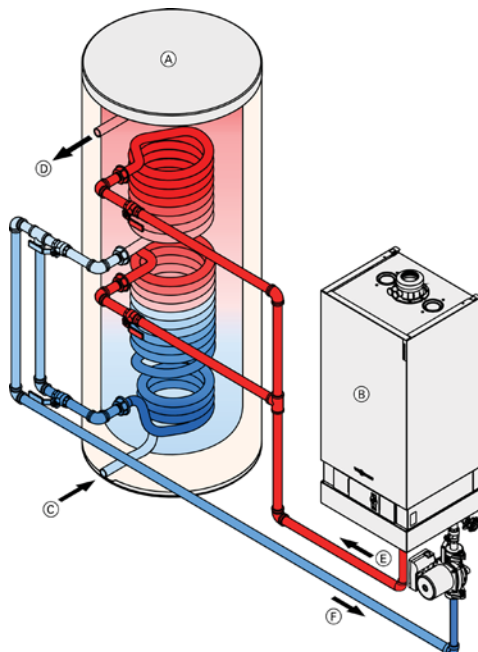
| Model | | 300-V EVIB | 300-V EVIB | 300-V EVIB | 300-V EVIB | 300-B EVBB Coils in Parallel | 300-B EVBB Coils in Series** | 300-B EVBB Coils in Parallel | 300-B EVBB Coils in Series** |
|--|--------------|------------|------------|------------|------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Storage Capacity | USG (L) | 42 (160) | 53 (200) | 79 (300) | 119 (450) | 79 (300) | 79 (300) | 119 (450) | 119 (450) |
| Heating Input | MBH (kW) | 119 (35) | 119 (35) | 169 (50) | 189 (55) | 393 (115) | 249 (73) | 400 (117) | 295 (86) |
| Boiler Supply Water Temperature | °F(°C) | 180 (82) | 180 (82) | 180 (82) | 180 (82) | 180 (82) | 180 (82) | 180 (82) | 180 (82) |
| Heating Supply Flow Rate | GPM (LPM) | 14 (53) | 14 (53) | 14 (53) | 14 (53) | 14 (53) | 14 (53) | 14 (53) | 14 (53) |
| First Draw | Gal (L) | 34 (128) | 49 (185) | 76 (288) | 112 (424) | 67 (253) | 67 (253) | 97 (367) | 97 (367) |
| First Hour Rating | GPH (LPH) | 223 (844) | 238 (901) | 345 (1306) | 413 (1563) | 496 (1877) | 460 (1741) | 613 (2320) | 558 (2112) |
| Continuous Draw Rating | GPH (LPH) | 189 (715) | 190 (719) | 269 (1018) | 301 (1139) | 429 (1624) | 393 (1488) | 516 (1953) | 461 (1745) |
| Standby Heat Loss | °F/hr (°C/h) | 0.8 (0.4) | 0.7 (0.4) | 0.47 (0.3) | 0.4 (0.2) | 0.6 (0.3) | 0.6 (0.3) | 0.5 (0.3) | 0.5 (0.3) |

*AHRI Standard IWH-TS-1 based on domestic water temperature rise of 77°F (42.7°C).

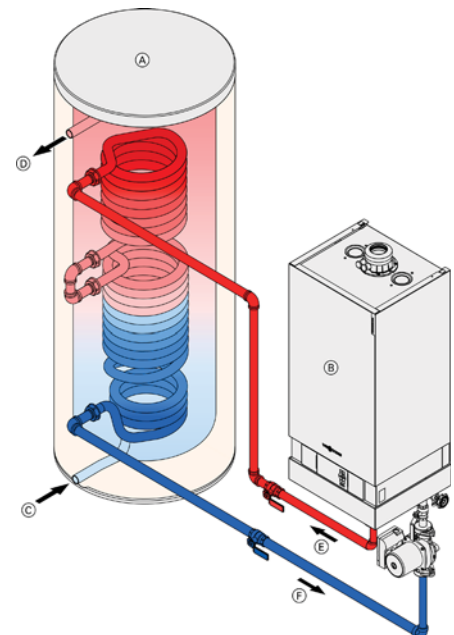
** Series configuration is only tested to AHRI Performance Rating, not certified.

Legend

- (A) Vitocell 300-B
- (B) Boiler
- (C) Domestic Cold Water
- (D) Domestic Hot Water
- (E) Boiler Supply
- (F) Boiler Return



Boiler hot water connections (tank coils in parallel)



Boiler hot water connections (tank coils in series)



VITOTRANS 300



The Vitotrans 300 is a preassembled and self contained domestic hot water (DHW) heating station, designed to provide large volumes of instantaneous hot water from 5 to 180 GPM to commercial applications, such as hotels, resorts, and recreation complexes, hospitals and industrial facilities.

BENEFITS AT A GLANCE

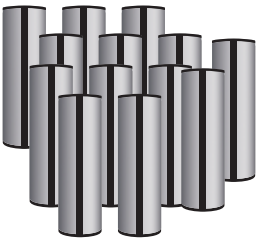
- + Up to 3 integrated brazed plate heat exchangers provide built-in redundancy, eliminating downtime during heat exchanger maintenance.
- + Compact design and packaged solution for minimum footprint and hassle-free installation.
- + Pre-assembled unit with easy access to all componentry via concealed latched side panels.
- + On-demand design provides consistent flow rate all day long.
- + Integrated de-scaling pump, integrated system pump, ultrasonic flow sensor and drip pan.

Viessmann Manufacturing Company Inc.
 Waterloo, ON Canada
 (800) 387-7373
viessmann.ca

Viessmann Sales Office
 Langley, BC Canada
 (877) 853-3288



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OR



Cost savings - one Vitotrans 300, S3HA-60 could replace the need for fourteen 119 USG DHW tanks

Technical Data

| Models | | Single Wall | | | Double Wall | | |
|--|---------|-------------|---------|---------|-------------|---------|---------|
| | | S3HA 30 | S3HA 60 | S3HA 90 | D3HA 30 | D3HA 60 | D3HA 90 |
| Heating Input | MBH | 2100 | 4200 | 6300 | 2100 | 4200 | 6300 |
| | (kW) | (615) | (1231) | (1846) | (615) | (1231) | (1846) |
| Overall length | in. | 73¾ | 73¾ | 73¾ | 73¾ | 73¾ | 73¾ |
| | (mm) | (1896) | (1896) | (1896) | (1896) | (1896) | (1896) |
| Overall width | in. | 26½ | 26½ | 26½ | 26½ | 26½ | 26½ |
| | (mm) | (673) | (673) | (673) | (673) | (673) | (673) |
| Overall height *1 | in. | 62¼ | 62¼ | 62¼ | 62¼ | 62¼ | 62¼ |
| | (mm) | (1584) | (1584) | (1584) | (1584) | (1584) | (1584) |
| Weight (without water) | lb. | 1037 | 1123 | 1273 | 1082 | 1223 | 1408 |
| | (kg) | (470) | (509) | (577) | (491) | (550) | (639) |
| Max. boiler supply temperature | °F | 230 | 230 | 230 | 230 | 230 | 230 |
| | (°C) | (110) | (110) | (110) | (110) | (110) | (110) |
| Max domestic hot water supply temperature (FHL) | °F | 210 | 210 | 210 | 210 | 210 | 210 |
| | (°C) | (99) | (99) | (99) | (99) | (99) | (99) |
| Max operating pressure | psig | 150 | 150 | 150 | 150 | 150 | 150 |
| | (bar) | (10.3) | (10.3) | (10.3) | (10.3) | (10.3) | (10.3) |
| Boiler supply connection (NPT) | in. | 2½ | 2½ | 2½ | 2½ | 2½ | 2½ |
| | (mm) | (65) | (65) | (65) | (65) | (65) | (65) |
| Boiler return connection (NPT) | in. | 2½ | 2½ | 2½ | 2½ | 2½ | 2½ |
| | (mm) | (65) | (65) | (65) | (65) | (65) | (65) |
| DCW connection (NPT) | in. | 2 | 2 | 2 | 2 | 2 | 2 |
| | (mm) | (50) | (50) | (50) | (50) | (50) | (50) |
| DHW connection (NPT) | in. | 2 | 2 | 2 | 2 | 2 | 2 |
| | (mm) | (50) | (50) | (50) | (50) | (50) | (50) |
| Max. DHW flow | GPM | 60 | 120 | 180 | 60 | 120 | 180 |
| | (L/min) | (227) | (454) | (681) | (227) | (454) | (681) |

The power supply for all units is 240V, single phase, 20 FLA and 60 Hz.

*1 Overall height does not include leveling feet or seismic brackets