









AQUAFLOW™

TT 80/25 TANK ON TANK

MAXIMIZE PERFORMANCE
MINIMIZE FOOTPRINT

2 in 1
80G Indirect Fired Water Heater
+ 25G Buffer Storage Tank



POWERED BY

VIDEIRA

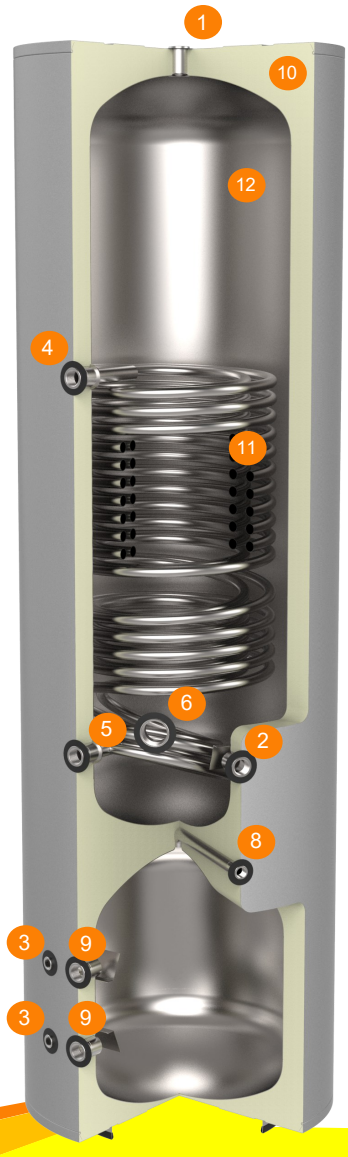
EMBRACE THE HEAT

Double the Capacity.
Zero Additional Floor Space

More Hot Water. More System Volume. One Compact Solution

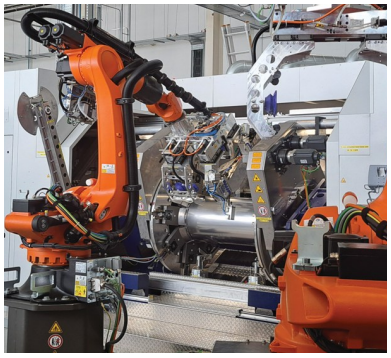
The AquaFlow™TT 80/25 Tank-on-Tank design combines an 80-gallon indirect water heater with a 25-gallon integrated buffer tank in a single space-saving unit. By bringing domestic hot water production and system buffering together, it maximizes mechanical room efficiency while simplifying installation.

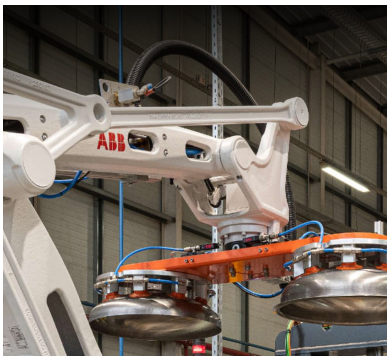
The result is greater available hot water, increased system volume, and improved overall performance, all within the footprint of a single tank.



Interior

1. Hot Water Outlet
2. Temperature Gauge
3. Sensor well
4. Boiler / Heat Pump Flow
5. Boiler / Heat Pump Return
6. Immersion Connection *(Electric element)*
7. T & P Valve Connection *(Not Shown)*
8. Purge
9. Direct Connection
10. 2” High Density Rigid Polyurethane Foam
11. Stainless Steel 316L Heat Exchanger Coil
12. 444 SS Construction













AQUAFLOW™



TT 80/25 TANK ON TANK

One Tank. Two Solutions

The AF TT Combines an 80G Indirect Tank with a 25G buffer storage Tank in one integrated unit, reducing pipework, and installation time while supporting efficient boiler or heat pump operation.

- ✓ **Unique Integrated Design** – Combines DHW and buffer storage in a single footprint, offering a distinctive solution for the US & CA markets
- ✓ **Simplified Installation** – Reduces pipework, installation time and labor costs with an integrated, pre-plumbed design.
- ✓ **Optimized Heat Pump Operation** – Integrated buffer storage helps improve system flow and supports longer heat pump run cycles preventing short-cycling and extending the lifespan of the heating system.
- ✓ **High-Performance Heat Exchanger** – Large, smooth-wall, counterflow SS coil designed for efficient heat transfer and low pressure drop.
- ✓ **Premium Stainless Steel Construction** – AISI 444 tank shell with a 316L SS heating coil and inlet dip tube.
- ✓ **Built for Long-Term Reliability** – TIG-welded construction, full internal and external pickling and passivation, with no sacrificial anodes required.
- ✓ **High-Efficiency Insulation** – 2" rigid polyurethane foam insulation with a standby heat loss, of less than 1/2º per hour.
- ✓ **Installer-Friendly Connections** – Thoughtful connection layout and factory-supplied controls help simplify system integration.
- ✓ Residential lifetime warranty

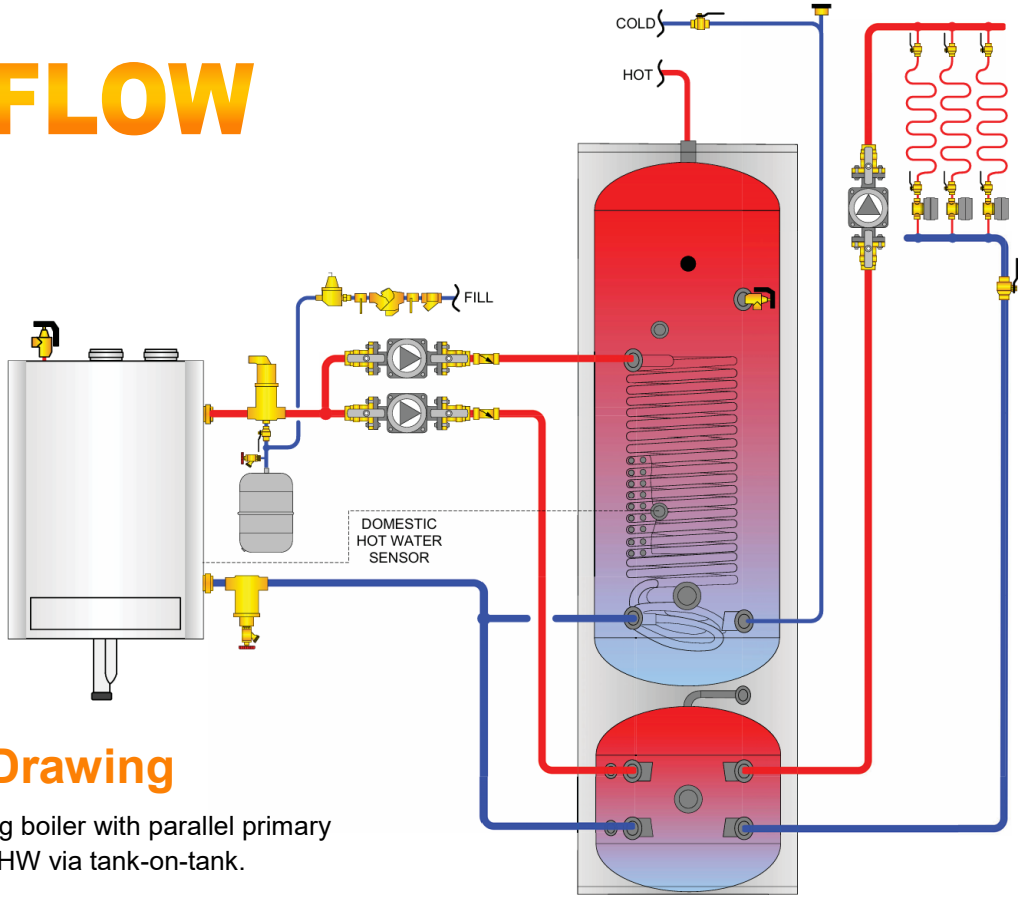
Construction & Performance

The AquaFlow™ Tanks reflect more than forty years of focused engineering and stainless-steel manufacturing expertise. High-grade materials, Laser TIG hybrid welding, and full internal and external pickling and passivation give each tank exceptional corrosion resistance and long-term strength.

Production is tightly controlled, and every unit is fully tested before it leaves the facility ensuring that installers get a dependable, efficient indirect cylinder built to deliver long-term performance customers can trust.

TANK ON TANK

AQUAFLOW



Application Drawing

High-efficient condensing boiler with parallel primary piping for heating and DHW via tank-on-tank.

Specifications

DIMENSIONS & WEIGHT	TT 80/25
TANK HEIGHT—INCHES	84.75
25..375	24.375
TANK WEIGHT—LBS	240
BOX HEIGHT—INCHES	28.7
BOX WIDTH—INCHES	25.9
BOX DEPT—INCHES	86.2
SHIP WEIGHT—LBS	260

PERFORMANCE DATA*	TT 80/25
DOMESTIC TANK CAPACITY—USG	76
BUFFER TANK CAPACITY	23.8
MAX. FIRST HR RATING@ 135ºF—GAL/HR	745
CONTINUOUS RATING @ 135ºF—GAL/HR	680
BOILER OUTPUT REQUIRED—BTU/HR	420,000
BOILER FLOW RATE—GPM	25
COIL PRESSURE DROP—FT HD	16.9
COIL TRANSFER AREA—SQ FT	27.9

**Based on 180ºF boiler supply & 58ºF entering cold water.*
Max operating pressure of 150 psi

Intertek
Pending

AventusHydronics.com

AVENTUS™ HYDRONICS