

# TECHTANIUM™

## INDIRECT WATER HEATER

### Technical Data Sheet

Delivers all the hot water that's needed - quickly and efficiently - with long lasting performance built in. Designed and engineered for high performance at low cost ... with a warranty for a long life. Techtanium state-of-the-art indirect water heaters are designed and engineered to have:

#### Extra Large Heat Exchanger Surface Area

- High recovery and continuous flow for abundant hot water.

#### Titanium Glass Lined

- High elasticity that adapts to expansion and contraction for added strength and durability.
- Provides a resistant layer of protection against corrosion

#### Exterior steel jacket with powder coat paint

- Durable and solid for life lasting exterior appearance.
- Polyurethane foam (PUF) insulation reduces standby heat loss

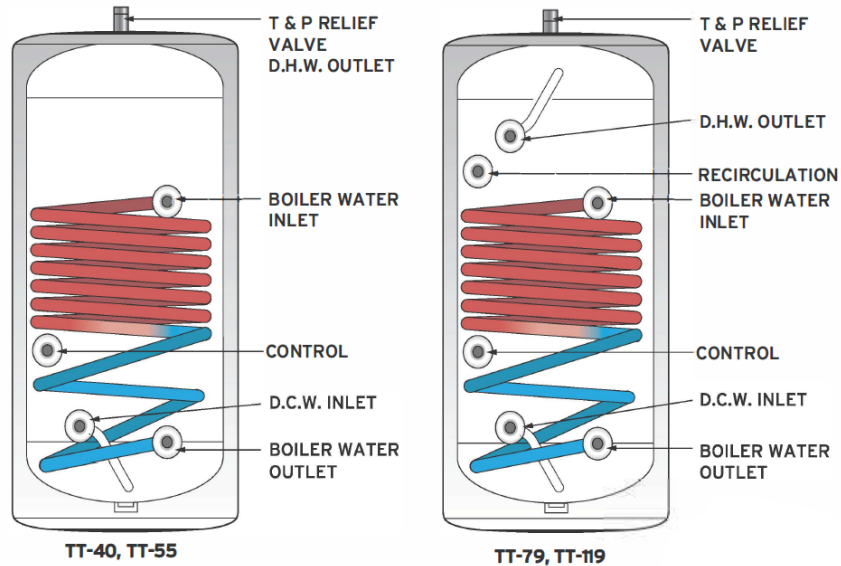
While satisfying the most demanding requirements for domestic hot water.



### FEATURES:

- Available in a range of sizes (20-119 gallons) and footprints for Residential and Commercial Applications
- Connections: TT Series- Side Connections, MP Series- Top Connections
- Works with any hydronic heat source for domestic hot water
- Environmentally friendly polyurethane insulation limits heat loss and is both CFC and HFC- free
- Polyurethane foam for outstanding insulation and reduced power consumption- CFC free
- All models supplied magnesium anti-corrosion anodes
  - TT Models- (2) magnesium anti-corrosion anodes
  - MP Models- (1) magnesium anti-corrosion anode
- Environmentally and Installer friendly

# TT Series



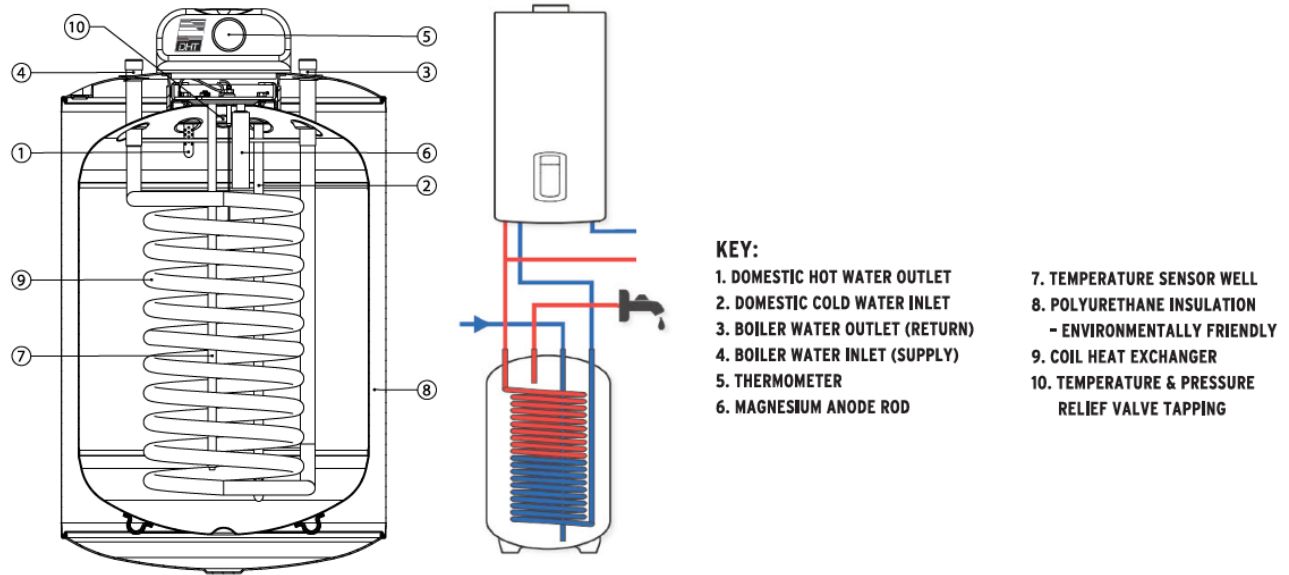
## Includes:

- Honeywell L4006A Aquastat
- Immersion Well
- Warranty:
  - Residential: 7 Years
  - Commercial: 3 Years
  - See warranty card for more information

## Ratings and Specifications:

Model	TT-40	TT-55	TT-79	TT-119
Capacity (Gallons)	40	55	79	119
Heat Exchanger Surface Area (SQ.FT.)	14	14	26	26
Recommended Flow Rate GPM (Boiler Water)	10	10	14	14
Heat Exchanger Pressure Drop (Ft. Hd.)	2.3	2.3	11	11
First Hour Ratings GPH- 90° Rise	188	226	296	377
Continuous Flow GPH- 90° Rise	160	187	241	294
First Hour Ratings GPH- 70° Rise	233	277	363	460
Continuous Flow GPH- 70° Rise	205	239	308	377
Boiler Size BTU's Required	120,000	140,000	180,000	220,000
Temperature and Pressure Relief Valve (inch)	3/4"	3/4"	1"	1"
Domestic Hot Water Outlet (inch)	3/4"	3/4"	1"	1½"
Domestic Hot Water Inlet (inch)	3/4"	3/4"	1"	1½"
Boiler Water Outlet- Return (inch)	1"	1"	1"	1"
Boiler Water Inlet- Supply (inch)	1"	1"	1"	1"
Control	1/2"	1/2"	1/2"	1/2"
Recirculation	-	-	3/4"	3/4"
Diameter (inch)	20"	20"	22"	28"
Height (inch)	45"	58"	71"	68"
Shipping Weight (lbs.)	124	143	243	355

# MP Series



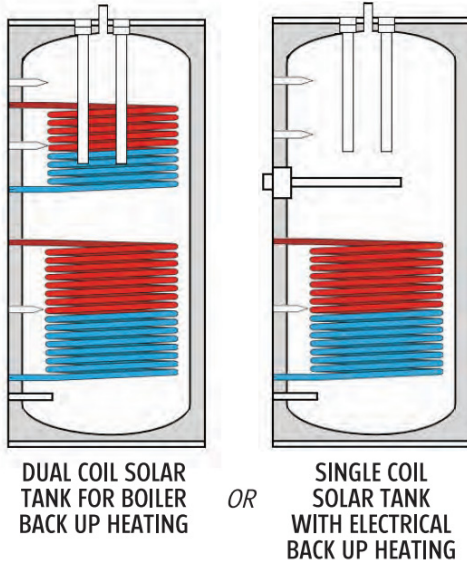
- Can be positioned on floor or wall hung with any boiler (optional wall bracket required)
- Includes: thermostat, thermometer, temperature & relief valve and brass drain
- Warranty:
  - Residential: 7 Years
  - Commercial: 3 Years
  - See warranty card for more information

## Ratings and Specifications:

Model	MP-20	MP-32	MP-40	MP-50
Capacity (Gallons)	21.2	31.7	42.3	52.9
Heat Exchanger Surface Area (SQ.FT.)	5.38	7.54	7.54	10.79
Recommended Flow Rate GPM (Boiler Water)	8	12	12	12
Heat Exchanger Pressure Drop (Ft. Hd.)	2.9	8.0	7.6	8.8
First Hour Ratings GPH- 70° Rise	131	222	253	289
Continuous Flow GPH- 70° Rise	116	198	223	252
First Hour Ratings GPH- 90° Rise	98	165	189	235
Continuous Flow GPH- 90° Rise	83	141	159	198
Boiler Size BTU's Required	75,000	95,000	115,000	140,000
Temperature and Pressure Relief Valve (inch)	3/4"	3/4"	3/4"	3/4"
Domestic Hot Water Outlet (inch)	3/4"	3/4"	3/4"	3/4"
Domestic Hot Water Inlet (inch)	3/4"	3/4"	3/4"	3/4"
Boiler Water Outlet- Return (inch)	3/4"	3/4"	3/4"	3/4"
Boiler Water Inlet- Supply (inch)	3/4"	3/4"	3/4"	3/4"
Diameter (inch)	22.4	22.4	22.4	22.4
Height (inch)	27	35.6	44	52.5
Shipping Weight (lbs.)	82	104	121	143

Note: Above ratings based on Boiler maintaining 180°F boiler water and Domestic water entering at 58°F

# Solar Series



- Including high capacity 1 ½” internal coil heat exchanger with optional 4500w supplemental electric heating element or second coil heat exchanger for auxiliary heat source.
- Factory installed T&P valve and brass drain
- Warranty:
  - Residential: 6 Years
  - Commercial: 3 Years
  - See warranty card for more information

## Ratings and Specifications:

Model	TT-50SCE*	TT-80SCE*	TT-80DC**	TT-80DCE***	TT-119SCE*	TT-119DC**	TT-119DCE***
Capacity (Gallons)	45	75	73	73	110	108	108
Electric Elements	Yes	Yes	No	Yes	Yes	No	Yes
Number of Coils	1	1	2	2	1	2	2
Heat Exchanger Surface Area (SQ.FT.)	11.78	14.14	14.14 / 9.42	14.14 / 9.42	14.14	14.14 / 9.42	14.14 / 9.42
Diameter (inch)	22”	24”	24”	24”	28”	28”	28”
Height (inch)	48.5”	64”	64”	64”	65”	65”	65”
Shipping Weight (lbs.)	241	307	327	337	407	427	437

Note:  
 \*SCE (Single Coil with Electric Backup), \*\*DC (Dual Coil), \*\*\*DCE (Dual Coil with Electric Backup)

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