



MODEL	AF TT 80/25
QTY	

JOB NAME _____

ADDRESS _____

DESIGNER / ENGINEER _____

CONTRACTOR _____

TEL _____

EMAIL _____

DATE _____

FEATURES

- Integrated DHW & Buffer Tank
- AISI 444 stainless steel tank shell
- 316L stainless steel heating coil and inlet dip tube
- Large smooth-wall heating coil in counterflow configuration
- Oversized low-pressure-drop heating coil
- Butt-welded construction with TIG (GTAW) welding eliminates crevice corrosion risks
- Fully pickled and passivated internally and externally
- No sacrificial anodes required, reducing lifetime maintenance
- 2" rigid polyurethane foam insulation ($\lambda = 0.022 \text{ W/m}\cdot\text{K}$)
- Galvanized and powder coated steel jacket
- Dedicated recirculation connection
- Ships with 10K Ω temperature sensor and high limit aquastat
- Front-heating connections for flexible installation
- Factory-installed drain valve with cap

CERTIFICATION

- Compliant with NSF/ANSI 372:2016 for drinking water system components – lead content (*Pending*)
- Compliant with IAS 91 Issued: 1992/06/01 IAS – U.S. Requirements for Indirect Water Heaters for use with external heat source

WARRANTY

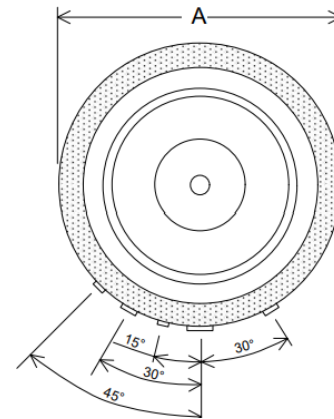
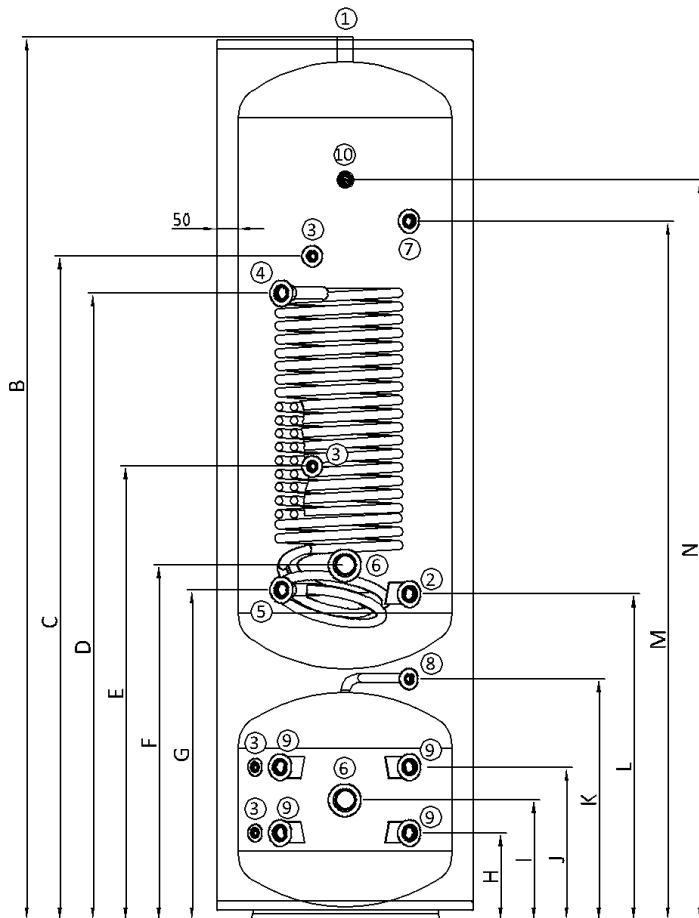
- RESIDENTIAL: Limited lifetime tank and heating coil warranty
- COMMERCIAL: 6 years limited tank and heating coil warranty



TANK CLEARANCES

SURFACE	DISTANCE FROM COMBUSTIBLES	FOR SERVICE
Front	1"	24"
Rear, Right and Left Sides	1"	1"
Top	1"	1"
Bottom	0"	0"

AF TT 80/25



CONNECTIONS		AFB 25
1	Hot water outlet	1" F NPT
2	Cold water inlet	1" F NPT
3	Sensor	1/2" F
4	Heat Pump Flow	1" F NPT
5	Heat Pump Return	1" F NPT
6	Immersion Connection	1 1/2" F NPT
7	T & P Valve	3/4" F NPT
8	Purge	1/2" F NPT
9	Direct Connection	1" F NPT
10	Temperature Gauge	-

DIMENSIONS (inches / cm)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
TT 80/25	24.375 / 62	84.375 / 214.3	63.375 / 161	60 / 152	43.375 / 110.1	33.875 / 86.1	31.5 / 80	8.375 / 21.2	11.5 / 29.2	14.625 / 37.1	23 / 58.5	31.125 / 79.1	66.75 / 169.6	70.75 / 179.7

SPECIFICATION

PERFORMANCE DATA	TT 80/25
TANK CAPACITY - USG	80 / 25
MAX. FIRST HR RATING @ 135°F - GAL/HR	745
CONTINUOUS RATING @ 135°F - 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

DIMENSIONS & WEIGHT	TT 80/25
TANK HEIGHT - INCHES	84 ¾"
TANK DIAMETER - INCHES	24 3/8"
TANK WEIGHT - LBS	240
BOX HEIGHT - INCHES	28.7
BOX WIDTH - INCHES	25.9
BOX DEPT - INCHES	86.2
SHIP WEIGHT - LBS	260

RECOVERY RATES

BOILER OUTPUT (BTU/HR)	BOILER FLOW = 25 GPM / 160°F		BOILER FLOW = 25 GPM / 180°F	
	1 ST HOUR (GAL/HR)	CONTINUOUS (GAL/HR)	1 ST HOUR (GAL/HR)	CONTINUOUS (GAL/HR)
200,000	322	249	383	311
220,000	347	274	414	342
240,000	371	299	444	373
250,000	383	311	459	389
300,000	444	373	536	467
350,000	505	435	612	544
380,000	542	473	658	591
400,000	566	498	688	622
420,000	612	544	745	680

PRESSURE DROP VS TANK FLOW

MODEL	10 GPM	14 GPM	25 GPM
TT 80/25	8.3	14.9	16.9

MINIMUM RELIEF VALVE (CSA RATING) AND RECOMMENDATION

MODEL	CSA RATING BTU/HR	RECOMMENDED RELIEF VALVE
TT 80/25	205,000	Watts ¾" LF40XL-5, or equivalent