



Submittal sheet

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Stainless Steel Indirect Tank Water Heater

Product Range:

Job Name:

Model No.

Location:

Gal. Capacity:

Engineer:

Equipment Tags:

Agent/Wholesaler:

Contractor

NOTES:



Standard Features:

- All Stainless Steel Fully Welded Construction
- Coil Type Indirect Tank Water Heater
- 316L Stainless Steel Tank
- Low Pressure Drop Corrugated Stainless Steel Coil
- Acid pickled (passivated) Stainless Steel Construction
- AHRI Certified
- 2" CFC Free Foam Insulation
- Rust Resistant Plastic Jacket
- ANSI/NSF/CSA 372 Low Lead Certified

Warranty:

Residential Up To:

- Limited Lifetime Tank
- 6 Year Parts
- 3 Year Labor Allowance

Commercial Up To:

- Limited 6 Year Tank
- 6 Year Parts
- 3 Year Labor Allowance

Connections:

- Side Mounted Boiler Supply and Return Connections 1" NPT
- Top Mounted DHW Inlet and Outlet Connections DHW 3/4" NPT (30 to 60 Gal.) / 1" NPT (80 to 120 Gal.)
- Top Mounted Aux. Connection DHW 3/4" NPT (30 to 60 Gal.) / 1" NPT (80 to 120 Gal.)

Factory Supplied:

- T&P Relief Valve
- 1/4 Turn Drain Valve
- Auxiliary Dip Tube
- Drywell

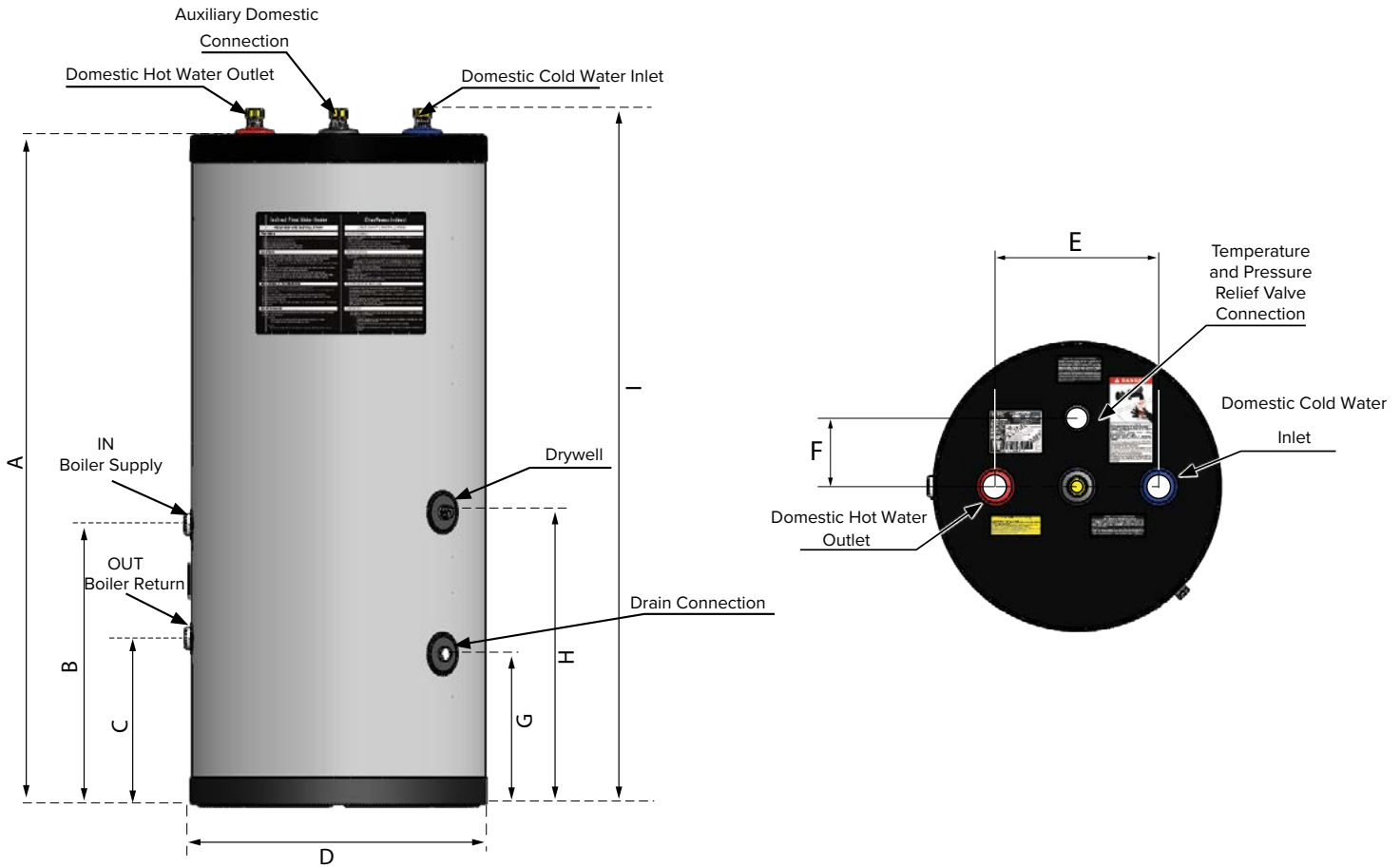
Optional Accessory

- Aquastat*

* Instinct and Prestige boiler models include factory supply DHW sensor for use with Cardinal tank



Stainless Steel Indirect Tank Heater - Dimensions and Specifications



MODEL	Capacity (Gal.)	Dimensions									Domestic Inlet/Outlet - MNPT	Boiler Supply/Return - FNPT	T&P - FNPT	Drain - FNPT	Empty weight (Lbs)	Shipping weight (Lbs)
		A	B	C	D	E	F	G	H	I						
30	31.2	40 1/2	21 1/6	12 2/3	22 1/4	12 3/5	5 1/3	11 1/2	22	42 4/9	3/4"	1"	3/4"	1/2"	62	76
40	40.6	50 1/2	21 1/6	12 2/3	22 1/4	12 3/5	5 1/3	11 1/2	22	52 2/7	3/4"	1"	3/4"	1/2"	73	88
50	46.3	56 1/4	26	12 2/3	22 1/4	12 3/5	5 1/3	11 1/2	27	58 1/5	3/4"	1"	3/4"	1/2"	84	100
60	53.2	64	26	12 2/3	22 1/4	12 3/5	5 1/3	11 1/2	27	66	3/4"	1"	3/4"	1/2"	92	110
80	78.9	61	26 1/3	13	26 1/2	14 1/6	5 1/3	11 4/5	27 1/3	63 1/5	1"	1"	3/4"	1/2"	130	156
100	96.4	73	26 1/3	13	26 1/2	14 1/6	5 1/3	11 4/5	27 1/3	75	1"	1"	3/4"	1/2"	134	165
120	118.9	63-1/2	31 3/8	13 1/5	32 1/6	14 1/6	5 1/3	12	32 2/7	65 3/5	1"	1"	3/4"	1/2"	174	208

MODEL	Heat source water Volume (Gal.)	Minimum boiler input (Btu/h)	Standby Loss °F/h	First Draw (Gallons)	1st Hour Rating (GPH)	Continuous Draw (GPH)	Coil Flow Rate (GPM)	Coil Friction Loss (Ft. Hd.)
30	1.3	120,000	1	25	214	189	14	2.3
40	1.3	122,000	0.7	34	228	194	14	2.3
50	1.6	154,000	0.8	39	281	242	14	3.4
60	1.6	156,000	0.6	47	293	247	14	3.4
80	2.1	192,000	0.5	70	372	302	14	5.3
100	2.1	192,000	0.5	89	391	302	14	5.3
120	3	257,000	0.3	101	505	403	14	7.6

* All performance information in table based on "AHRI Standard IWH-TS-1, Indirect-Fired Water Heater Testing Standard and supplement Method to Determine Performance of Indirect-Fired Water Heaters. IWH-TS-1 test is done under the following condition's: 180F boiler supply water to indirect coil with incoming cold domestic water at 58F and a delta T of 77F for the domestic water.