



Innovative. Efficient. Dependable. Dunkirk.

Dunkirk H₂O

- Stainless Steel Single Coil Indirect Water Heaters
- Stainless Steel Storage Tanks
- Stainless Steel Hydronic Buffer Tanks
- Stainless Steel Single and Dual Coil Solar Water Heaters



THE DUNKIRK H₂O SERIES

A complete line of Stainless Steel, Single and Dual Coil Indirect Water Heaters, Storage Tanks, and Hydronic Buffer Tanks.

Need An Easy Domestic Hot Water Solution With A Low Operating Cost and the Longevity Of Stainless Steel?
Dunkirk H₂O Stainless Steel Single Coil Indirect Water Heaters

Need A Hot Water Solution To Balance Input and Storage While Reducing Short Cycling?
Dunkirk H₂O Stainless Steel Storage Tanks

Need A Hot Water Solution For Use With Chillers, Heat Pumps, and Low Mass Boilers?
Dunkirk H₂O Stainless Steel Hydronic Buffer Tanks

Need A Hot Water Solution For Solar Applications Or Small Zones?
Dunkirk H₂O Stainless Steel Single & Dual Coil Solar Water Heaters
 (Optional Electric Back-Up can heat the tank if solar heat is unavailable)

**Stainless Steel
 Single Coil Indirect
 Water Heaters**

STANDARD FEATURES

Capacities (Gallons)	30, 40, 40L, 50 , 60, 60L, 80, 85* & 115
316L Stainless Steel Construction	
Top Connections (For Easy, Neat, Clean Installation)	
Welded Stainless Steel Dip Tube (Factory installed)	
Thermoplastic Jacket (Won't dent, scratch or corrode)	
Low Pressure Drop (Ideal For Low Mass Boilers)	
Magnesium Anode Rod	
T & P Valve (Factory installed except on 85 & 115XHOC)	
Aquastat and Drain Valve Provided	
2.25" EPS Insulation (Provides Less Than .5°F Per Hour Standby Loss)	
Large Diameter, Smooth Coil Heat Exchangers - Prevent Buildup (Stainless Steel Coils Are 25 to 30' Long and 1-1/8" in Diameter)	
Honeywell L4080B (Shipped Loose)	
Made in the USA	

WARRANTY

Limited Lifetime Warranty (Residential), 5 Yr. (Commercial)	
15 Year Warranty (Residential)	N/A

OPTIONS

Low Profile	40L & 60L Capacities
High Output	80 & 115 Capacities
Extra High Output	85 & 115 Capacities
Electric Back-Up	60, 80 & 115 Capacities
Commercial Connections (For increased DHW flow)	80 & 115 Capacities (1-1/2" Dom., 1-1/4" Blr.)
Coil	Standard

*Only offered in Extra High Output models.



Stainless Steel Storage Tank

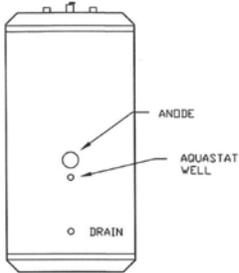
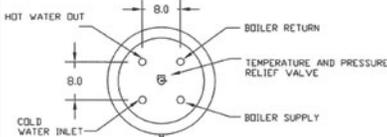
Stainless Steel Buffer Tanks

Stainless Steel Dual Coil Solar Water Heaters

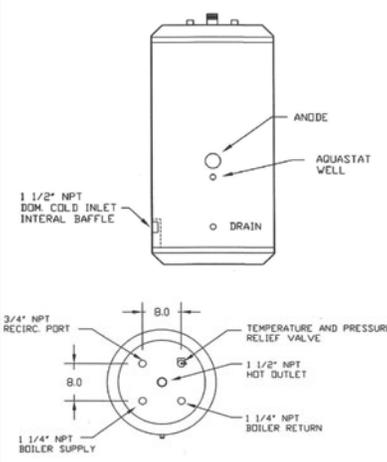
30, 40, 60, 60L, 80 & 115	22, 40, 60, 80 & 115	60, 80 & 115
	N/A	
N/A	N/A	N/A
N/A	N/A*	
	N/A	N/A
	N/A	N/A
N/A		
60L Capacities	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	60, 80 & 115 Capacities
80 & 115 Capacities (1-1/2")	40, 60, 80 & 115 Capacities (1-1/4", 1-1/2", 2") 22 Capacity (1-1/4" only)	N/A
N/A	22, 40, 60, 80 & 115 Capacities	Standard



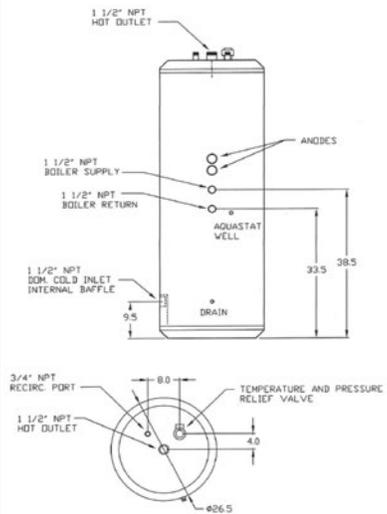
Dunkirk H₂O Stainless Steel Single Coil Indirect Water Heaters

Illustrations	Model	Storage Volume	Coil Heating Surface	Dimensions (Inches)		Piping Connections N.P.T.		Max. Tank Working Pressure	Max. Coil Working Pressure	Approx. Shipping Wgt.	
		Gallons	Square Feet	Height	Diameter	Domestic Water In/Out	Boiler Water In/Out	(psi)	(psi)	(lbs.)	
STANDARD AND HO UNITS  	H2O130DK	30	7.3	34.0	23.5	3/4	1	150	90	85	
	H2O140DK	40	7.7	44.0	23.5	3/4	1	150	90	100	
	H2O140LDK	42	7.4	36.0	28.0	3/4	1	150	90	100	
	H2O150DK	50	8.2	54.0	23.5	3/4	1	150	90	110	
	H2O160DK	60	8.6	62.0	23.5	3/4	1	150	90	125	
	H2O160LDK	60	7.7	46.0	28.0	3/4	1	150	90	120	
	H2O180DK	80	8.2	56.0	28.0	1	1	150	90	140	
	H2O115DK	115	9.1	74.0	28.0	1	1	150	90	175	
	High Output Units										
	H2O160HODK	60	15.1	62.0	23.5	1	1	150	90	145	
	H2O180HODK	80	14.8	56.0	28.0	1	1	150	90	155	
	H2O180HOC DK	80	14.8	56.0	28.0	1-1/2	1-1/4	150	90	155	
	H2O115HODK	115	15.6	74.0	28.0	1	1	150	90	190	
	H2O115HOC DK	115	15.6	74.0	28.0	1-1/2	1-1/4	150	90	190	
	Extra High Output Units 85-XHO and 115-XHO										
H2O185XHOC DK	87	28.7	64.0	28.0	1-1/2	1-1/2	150	90	215		
H2O115XHOC DK	115	28.7	74.0	28.0	1-1/2	1-1/2	150	90	240		
General Information (See Installation, Operation and Maintenance Manual for complete instructions)											
Model	Max. First Hour Rating		Continuous Rating		Boiler Output Needed (BTU/Hr)	Boiler Water Flow Through Coil (Gal./Min.)	Pressure Drop Through Coil (Ft. Water)				
	Gal./Hr. @ 140° F	Gal./Hr. @ 115° F	Gal./Hr. @ 140° F	Gal./Hr. @ 115° F							
H2O130DK	202	269	175	242	131,250	14.0	5.3				
H2O140DK	221	292	185	256	138,670	14.0	5.7				
H2O140LDK	212	251	176	215	132,000	14.0	5.3				
H2O150DK	223	291	178	246	133,280	14.0	6.0				
H2O160DK	262	342	208	288	155,700	14.0	6.2				
H2O160LDK	239	310	185	256	138,570	14.0	5.7				
H2O180DK	271	248	199	276	149,390	14.0	6.0				
H2O115DK	324	409	221	306	165,750	14.0	6.6				
High Output Units 60-HO, 80-HO, and 115-HO											
H2O160HODK	406	541	352	478	263,600	14.0	10.1				
H2O180HODK	418	551	346	479	259,640	14.0	9.9				
H2O180HOC DK	442	584	370	512	277,070	21.0	10.5				
H2O115HODK	467	607	364	504	273,100	14.0	15.8				
H2O115HOC DK	479	623	376	520	281,800	21.0	16.7				
Extra High Output Units 85-XHO and 115-XHO											
H2O185XHOC DK	738	992	660	914	495,000	28.0	13.0				
H2O115XHOC DK	763	1017	660	914	495,000	28.0	13.0				
Note: All ratings are based on 200° F boiler water supply and 50° F cold water inlet. See installation manual for ratings at different temperatures and flow rates. Specifications subject to change without notice.											
Standard Equipment	Smooth stainless steel coil, magnesium anode rod, factory installed stainless steel aquastat well, T & P and drain valve, welded stainless steel cold water dip tube factory installed and pressure tested, Honeywell L4080B aquastat shipped loose for field installation.										
Options	(L) Low profile models for applications with low clearances. (C) Commercial models with larger tappings for higher flow rates. (HO) High Output models available to meet greater demand. (XHO) Extra High Output models.										
Certification/Decoding	 <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <h2>H2O I 40 L DK</h2> <p>I=Indirect Capacity: 30=30 Gals. 40=40 Gals. 50=50 Gals. 60=60 Gals. 85=87 Gals. 115=115 Gals.</p> </div> <div style="text-align: center;"> <p>L=Lowboy C=Commercial HO=High Output HOC=High Output Commercial XHO=Extra High Output</p> </div> <div style="text-align: center;"> <p>DK=Dunkirk</p> </div> </div> <p>Conforms to UL STD 174 Certified to CAN/CSA STD C22.2 No. 110-94</p>										

HOC UNITS



XHOC EXTRA HIGH OUTPUT UNITS



Dunkirk H₂O Stainless Steel Storage Tanks

Dimensions/Weights	Model	Storage Capacity (Gals.)	Piping Connections NPT	
			Cold/Hot Supply/Return (Inches)	Heat Source Pressure (Inches)
	H2OST30DK	30	1	1
	H2OST40DK	40	1	1
	H2OST60DK	60	1	1
	H2OST60LDK	60	1	1
	H2OST80DK	80	1	1
	H2OST115DK	115	1	1
	H2OST80CDK	80	1-1/2	1
	H2OST115CDK	115	1-1/2	1

Note: Max. Working pressure 150 psi for all capacities.

General Information (See Installation, Operation and Maintenance Manual for complete instructions)

Specifications subject to change without notice.

Standard Equipment Factory installed brass drain and relief valves, welded stainless steel cold water dip tube factory installed and pressure tested, Honeywell L4080B aquastat for field installation.

Options (L) Low profile models for applications with low clearances. (C) Commercial models available for applications with larger connections.

Certification/Decoding

H2O ST 60 L DK

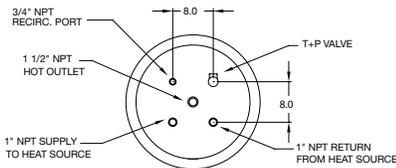
ST=Storage Tank Capacity: 30=30 Gals. L=Lowboy C=Commercial DK=Dunkirk
40=40 Gals. 60=60 Gals. 80=80 Gals. 115=115 Gals.



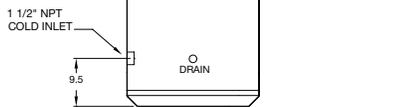
Intertek

Conforms to UL STD 174
Certified to CAN/CSA STD C22.2 No. 110-94

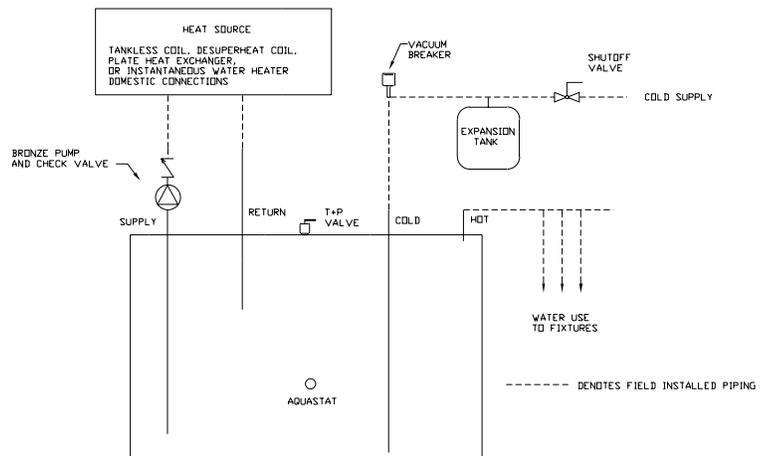
STANDARD UNITS



COMMERCIAL UNITS



Schematic Diagram (Typical Installation)



HOT WATER BOOSTER / STORAGE TANK
DOMESTIC WATER HEATING SYSTEM / TYPICAL SCHEMATIC
Note: Installation must conform to all local codes.

Dimensions & Weights

Models	Height (Inches)	Dia. (Inches)	Shp. Wgt. (Lbs.)
H2OST30DK	34.0	23.5	75
H2OST40DK	44.0	23.5	90
H2OST60DK	62.0	23.5	115
H2OST60LDK	46.0	23.5	110
H2OST80DK	56.0	28.0	140
H2OST115DK	74.0	28.0	175
H2OST80CDK	56.0	28.0	140
H2OST115CDK	74.0	28.0	175