

KEEPING FAMILIES WARM FOR MORE THAN 60 YEARS.



# INTRODUCING THE NEW OLSEN H<sub>2</sub>O 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?

Olsen H<sub>2</sub>O Stainless Steel Single Coil Indirect Water Heaters

Need A Hot Water Solution To Balance Input and Storage While Reducing Short Cycling?

Olsen H<sub>2</sub>O Stainless Steel Storage Tanks

Need A Hot Water Solution For Use With Chillers, Heat Pumps, and Low Mass Boilers?

Olsen H<sub>2</sub>O Stainless Steel Hydronic Buffer Tanks

Need A Hot Water Solution For Solar Applications Or Small Zones?

Olsen H<sub>2</sub>O Stainless Steel Single & Dual Coil Solar Water Heaters (Electric Back-Up can heat the tank if solar heat is unavailable)

Stainles Steeling Stainles of the ater

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STANDARD FEATURES	S. •
Capacities (Gallons)	30, 40, 40L, 50 , 60, 60L, 80 & 115
316L Stainless Steel Construction	
Top Connections (For Easy, Neat, Clean Installation)	
Stainless Steel Dip Tube	0
Thermoplastic Jacket (Won't dent, scratch or corrode)	0
Low Pressure Drop (Ideal For Low Mass Boilers)	0
T & P Valve, Stainless Aquastat Well & Drain Valve (Factory installed-taped and doped).	0
2.25" EPS Insulation (Provides Less Than .5°F Per Hour Standby Loss)	0
Large Diameter, Smooth Coil Heat Exchangers - Prevent Buildup (Stainless Steel Coils Are 25 to 30' Long and 1-1/8" in Diameter)	0
Honeywell L4080B (Shipped Loose)	0
Made in North America	
WARRANTY	
Limited Lifetime Warranty (Residential), 5 Yr. (Commercial)	
Limited Lifetime Warranty	N/A
OPTIONS	
Low Profile	40L & 60L Capacities
High Output	80 & 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





Stainess Steel

airless tanks

Stainles Steolars

30, 40, 60, 60L, 80 & 115	40, 60, 80 & 115	60, 80 & 115
0	0	0
0	0	
0	N/A	0
0	0	0
0	0	0
0	0	O
0	0	0
N/A	<b>O</b> *	0
0	N/A	0
0	0	0
0	N/A	N/A
N/A	0	0
60L Capacities	N/A	N/A
N/A	N/A	N/A
N/A	N/A	60, 80 & 115 Capacities
80 & 115 Capacities (1-1/2")	All Capacities (1-1/4", 1-1/2", 2")	N/A
N/A	40, 60, 80 & 115 Capacities	Standard



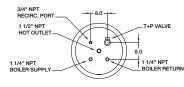


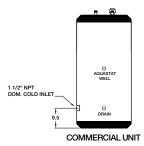




### Olsan H.O. Stainless Staal Single Coil Indirect Water Heaters

		01			Piping Connections NPT					
Dimensions/Weights	Model	Storage ( (Ga		Coil Heating Surface Sq.Ft.	Domestic Water In/Out (Inches)	Boiler Water In/Out (Inches)				
	H2Ol30OL	3	0	7.0	3/4	1				
	H2OI40OL	4	0	7.5	3/4	1				
HOT OUTLET	H2OI40LOL	4	2	7.1	3/4	1				
T+P VALVE BOILER RETUR	H2OI50OL	5	0	8.0	3/4	1				
8.0	H2OI60OL	6	0	8.4	3/4	1				
O BOILER SUPPLY	H2OI60LOL	6	0	7.5	3/4	1				
	H2OI80OL	8	0	8.0	1	1				
	H2OI115OL	11	5	8.9	1	1				
	H2OI80COL	8	0	8.0	1-1/4	1-1/4				
	H2OI115COL	11	5	8.9	1-1/4	1-1/4				
	H2OI80HOOL	8	0	13.5	1	1				
O AQUASTAT WELL	H2OI115HOOL	11	5	14.4	1	1				
0	H2OI80HOCOL	8	0	13.5	1-1/2	1-1/4				
DRAIN	H2OI115HOCOL	11	5	14.4	1-1/2	1-1/4				
STANDARD UNIT	Note: Max. Working	Note: Max. Working pressure 150 psi for all capacities.								
	General Informa	ation (See Installat	ion, Operation an	d Maintenance Manual	for complete instruction	ns)				
		Max. First Hour Rating	Continuous Rating	Boiler Output	Min. Boiler Water Flow	Pressure Drop				





Models	Height (Inches)	Dia. (Inches)	Shp. Wgt. (Lbs.)	See installations
H2OI30OL	34.0	23.5	85	Standard
H2OI40OL	44.0	23.5	100	Equipment
H2OI40LOL	36.0	28.0	100	
H2OI50OL	54.0	23.5	110	Options
H2OI60OL	62.0	23.5	125	0
H2OI60LOL	46.0	28.0	120	Certification/ Decoding
H2OI80OL	56.0	28.0	140	
H2OI115OL	74.0	28.0	175	
H2OI80COL	56.0	28.0	120	
H2OI115COL	74.0	28.0	175	
H2OI80HOOL	56.0	28.0	155	
H2OI115HOOL	74.0	28.0	190	
H2OI80HOCOL	56.0	28.0	155	
H2OI115HOCOL	74.0	28.0	190	

Model	Max. First Hour Rating Gal./Hr @		Continuous Rating Gal./Hr. @		Boiler Output Required	Min. Boiler Water Flow Through Coil	Pressure Drop Through Coil	
	140° F	115° F	140° F   115° F   (BTU/Hr.)		(Gal./Min.)	(Ft. Water)		
H2Ol30OL	182	242	155	215	116,200	10.0	2.7	
H2OI40OL	202	266	166	230	124,500	10.0	2.9	
H2OI40LOL	193	251	157 215		117,900	10.0	2.8	
H2OI50OL	222	290	177 24		132,800	10.0	3.1	
H2OI60OL	240	311	186	257	139,400	10.0	3.2	
H2OI60LOL	220	284	166	230	124,500	10.0	2.9	
H2OI80OL	257	328	185	256	138,600	12.0	3.7	
H2OI115OL	309	388	206	285	154,200	12.0	4.0	
H2OI80COL	257	328	185	256	138,600	12.0	3.7	
H2OI115COL	309	388	206	285	154,200	12.0	4.0	
H2OI80HOOL	386	507	314	435	235,670	15.0	9.0	
H2OI115HOOL	439	568	336	465	251,780	15.0	9.5	
H2OI80HOCOL	386	507	314	435	235,670	15.0	9.0	
H2OI115HOCOL	439	568	336	465	251,780	15.0	9.5	

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 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. Equipment

(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.







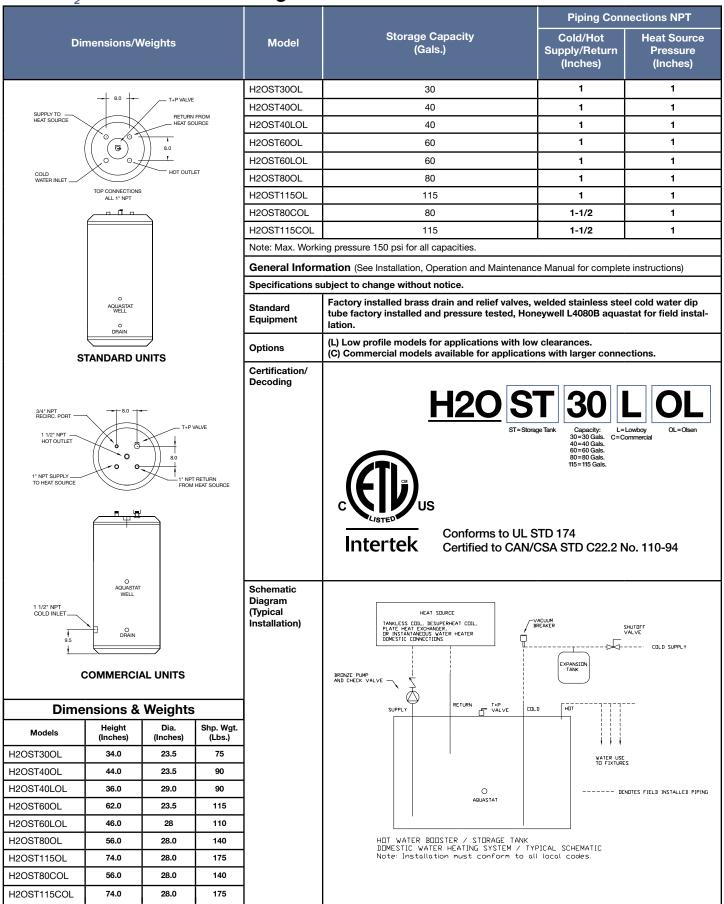


30=30 Gals. 40=40 Gals. 40=40 Gals. 40=60 Gals. 40=60 Gals. 80=80 Gals. 115=115 Gals.

Intertek

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

#### Olsen H<sub>2</sub>O Stainless Steel Storage Tanks



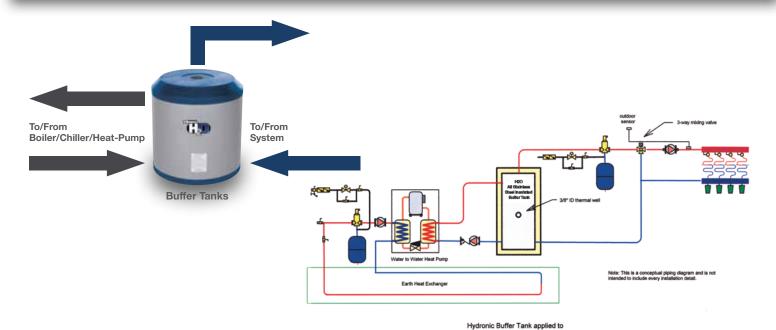
## Olsen H<sub>2</sub>O Stainless Steel Buffer Tanks

Dimensions/Weights					Model	Storage Capacity (Gals.)	Piping Connections NPT (Inches)
					H2OBT40114OL		1-1/4
					H2OBT40112OL	40	1-1/2
					H2OBT402OL		2
					H2OBT60114OL		1-1/4
					H2OBT60112OL	60	1-1/2
					H2OBT602OL		2
					H2OBT80112OL		1-1/4
					H2OBT80114OL	80	1-1/2
					H2OBT802OL		2
	D	1			H2OBT115114OL		1-1/4
<b>—</b> —	+	1			H2OBT115112OL	115	1-1/2
					H2OBT1152OL		2
1					H2OBT40114WCOL		1-1/4
					H2OBT40112WCOL	40	1-1/2
A					H2OBT402WCOL		2
B   TH	3/8' ID HERMAL VELL		4 CONNE		H2OBT60114WCOL		1-1/4
			2 ON LE	GHT SIDE FT SIDE	H2OBT60112WCOL	60	1-1/2
<del>   </del>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						2
C	VALVE	]			H2OBT80114WCOL		1-1/4
t	_				H2OBT80112WCOL	80	1-1/2
					H2OBT802WCOL		2
					H2OBT115114WCOL		4.4/4
					1.202		1-1/4
					H2OBT115112WCOL	115	1-1/4
						115	
					H2OBT115112WCOL H2OBT1152WCOL	115 essure 60 psi for all capacities.	1-1/2
					H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre	essure 60 psi for all capacities.	1-1/2
					H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio	essure 60 psi for all capacities.	1-1/2
					H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and re	1-1/2
					H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subject Standard	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and	1-1/2 2 ntenance Manual for complete instructions) elief valves, welded stainless steel cold
					H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.	1-1/2 2 ntenance Manual for complete instructions) elief valves, welded stainless steel cold
Dime	ensions	s & We	ights		H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil	1-1/2 2 Intenance Manual for complete instructions) elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B
<b>Dim</b> e Model	ensions Height A (Inches)	s & We	ights C (Inches)	Shp. Wgt. (Lbs.)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT 40	1-1/2 2 Intenance Manual for complete instructions) Belief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1114 WC OL
Model	Height A	В	С	(Lbs.)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  In (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  Graphic Garacity:  Graphi	1-1/2 2  ntenance Manual for complete instructions)  elief valves, welded stainless steel cold d pressure tested, Honeywell L4080B  114-1-1/4" NPT
Model H2O40BT114OL	Height A	В	С		H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  BT=Buffer Tank  Capacity. 40  Capa	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1144-1-//2*NPT USC-VICTOR OL-Olsen  112-1-/2*NPT USC-VICTOR OL-Olsen
<b>M</b> odel H2O40BT114OL H2O40BT112OL	Height A (Inches)	B (Inches)	C (Inches)	(Lbs.) 87	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  Graph Tank  Graph Cold	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1144-1-//2*NPT USC-VICTOR OL-Olsen  112-1-/2*NPT USC-VICTOR OL-Olsen
<b>M</b> odel H2O40BT114OL H2O40BT112OL	Height A (Inches)	B (Inches)	C (Inches)	(Lbs.) 87 (97 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  Graph Tank  Graph Cold	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1144-1-//2*NPT USC-VICTOR OL-Olsen  112-1-/2*NPT USC-VICTOR OL-Olsen
Model  H2O40BT114OL  H2O40BT112OL  H2O40BT2OL  H2O60BT114OL	Height A (Inches)	B (Inches)	C (Inches)	(Lbs.) 87	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  Graph Tank  Graph Cold	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1141-1/2*NPT I121-1/2*NPT I121
Model  H2O40BT114OL  H2O40BT112OL  H2O40BT2OL  H2O60BT114OL	Height A (Inches)	B (Inches)	C (Inches)	(Lbs.) 87 (97 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  Graph Tank  Graph Cold	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1144-1-//2*NPT USC-VICTOR OL-Olsen  112-1-/2*NPT USC-VICTOR OL-Olsen
Model  H2O40BT114OL  H2O40BT112OL  H2O40BT2OL  H2O60BT114OL  H2O60BT112OL	Height A (Inches)	B (Inches)	C (Inches)	87 (97 WC) 115 (125 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	ressure 60 psi for all capacities.  In (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  BT = Buffer Tank  Gapacity  Capacity  Ca	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1141-1/2*NPT I121-1/2*NPT I121
Model  H2O40BT114OL  H2O40BT112OL  H2O40BT2OL  H2O60BT114OL  H2O60BT112OL  H2O60BT2OL  H2O80BT114OL	Height A (Inches)	B (Inches)	C (Inches)	(Lbs.) 87 (97 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  n (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  Graph Tank  Graph Cold	1-1/2 2 Intenance Manual for complete instructions) Elief valves, welded stainless steel cold dipressure tested, Honeywell L4080B  1141-1/2*NPT I121-1/2*NPT I121
Model H2O40BT114OL H2O40BT112OL H2O40BT2OL	Height A (Inches)	29.0 29.5	9.0 9.5	87 (97 WC) 115 (125 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  In (See Installation, Operation and Main to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  BT=Buffer Tank  Capacity: 40-40 Galss 60-80 Gals 715=115 Gals	ntenance Manual for complete instructions)  elief valves, welded stainless steel cold d pressure tested, Honeywell L4080B  114-1-1/4" NPIT 112=1-1/2" NPIT 112=1-1/2" NPIT 2=2" NPIT
Model  H2O40BT114OL  H2O40BT112OL  H2O40BT2OL  H2O60BT114OL  H2O60BT112OL  H2O60BT2OL  H2O80BT114OL  H2O80BT114OL	Height A (Inches)	29.0 29.5	9.0 9.5	(Lbs.) 87 (97 WC) 115 (125 WC) 125 (135 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  In (See Installation, Operation and Maint to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  BT-Buffer Tank  Capacity: 40-40 Gase 60-90 Gale 60-	ntenance Manual for complete instructions)  elief valves, welded stainless steel cold d pressure tested, Honeywell L4080B  1144-1.1/2 NPT 112=1-1/2 NPT 2=2" NPT    Sto UL STD 174
Model  H2O40BT114OL  H2O40BT112OL  H2O40BT2OL  H2O60BT114OL  H2O60BT2OL  H2O80BT114OL  H2O80BT114OL  H2O80BT114OL	Height A (Inches)	29.0 29.5	9.0 9.5	87 (97 WC) 115 (125 WC)	H2OBT115112WCOL H2OBT1152WCOL Note: Max. Working pre General Informatio Specifications subjec Standard Equipment Options Certification/	essure 60 psi for all capacities.  In (See Installation, Operation and Main to change without notice.  Factory installed brass drain and rewater dip tube factory installed and aquastat for field installation.  (WC) With Coil  H20 BT  BT=Buffer Tank  Capacity: 40-40 Gales 60-80 Gales 715=115 Gale  Conforms  Conforms	ntenance Manual for complete instructions)  elief valves, welded stainless steel cold d pressure tested, Honeywell L4080B  1144-13/4" NPT 112=1-1/2" NPT 12=1-1/2" NPT 2=2" NPT CL=0/15en

#### OLSEN H<sub>2</sub>O STAINLESS STEEL BUFFER TANKS

- Reduces chiller or boiler short cycling
   (Short cycling results in reduced operating efficiency and shorter equipment life)
- Used in systems having several low BTU cooling or heating loads calling at different times
- Full size tappings on buffer tank for peak performance (1-1/4", 1-1/2", and 2")
- · Used in systems operating below the design load condition, which is most of the time.

### H<sub>2</sub>O HYDRAULICALLY DECOUPLED



#### Buffer Tank Sizing - Calculating Capacity

Olsen H<sub>2</sub>O buffer tanks are a simple, cost effective way to improve overall system efficiency by reducing unnecessary equipment short cycling. The recommended capacity or volume of a buffer tank is based on four variables.

1) The duration of the heating or cooling source "on time" (minutes). The desired length of "on time" for each run cycle depends on the type of equipment used. Heat pump and chiller manufacturers typically recommend a minimum of 5 to 10 minutes on time, and boiler manufacturers may recommend a minimum of 10 minutes "on time". Check with your equipment manufacturer. Generally, the longer the "on time", the higher the overall operating efficiency.

Water source heat pump application

- 2) The minimum rate of heat input (BTU/HR). This is based on the heat pump or chiller output, or the boiler output at the minimum firing rate if the boiler has a variable input system that ramps input down as the demand decreases.
- 3) The minimum system load (BTU/HR). This is the demand placed on the system with the smallest zone calling for heat.
- 4) The allowable tank temperature rise (deg. F). This varies depending on the type of heating or cooling system used, and on the design of the distribution system. Chillers may require a tight, (6 deg. F), differential to assure good dehumidification and prevent freezing, heat pumps may require a (10 deg. F) differential to maintain a high COP, and boilers with hydronic heating distribution systems may require a differential anywhere between 10 to 40 deg. F depending on the application.

The following formula determines the tank volume:

 $V = \frac{T \times (Q \text{ heat input - } Q \text{ min. heat load})}{T \text{ank temp. rise } \times 500}$ 

V = Buffer tank volume (gallons) Q heat source = heat source output (BTU/HR) Tank temp rise (deg. F) T = desired heat source "on cycle" (min.) Q min. heat load = heat output to minimum load

Water to Water Heat Pump Example:

Town and Country Mechanical wants a minimum heat pump on time of 10 minutes. The heat pump output is 46,500 BTU/HR. The smallest zone is a 7,000 BTU/HR bathroom. The allowable temperature differential is 90 to 100 deg. F for the radiant heat zones.

 $V = \frac{10 \times (46,500 - 7,000)}{(100-90) \times 500} = 79.0 \text{ Gallons minimum volume. Choose the H2O80BT buffer tank.}$ 

### Olsen H<sub>2</sub>O Stainless Steel Dual and Single Coil Solar Water Heaters

Dim	ensions/W	Veights		Model	(Gals.)					o Coil g Surface <sub>J</sub> . Ft.	Bottom Coil Heating Surface Sq. Ft.	Piping Connections NPT (Inches)
								SII	NGLE COIL			
TOP COIL SUPPLY	T+P W	TOP COIL RETURN		H2OI60EOL		6	0		1	N/A	8.3	1
COLD WATER IN	(°°)°)	HOT WATER OUT		H2OI80EOL		8	0		1	N/A	8.0	1
BOTTOM SOLAR		BOTTOM SOLAR COIL SUPPLY		H2OI115EOL		1	15		1	N/A	8.9	1
BOTTOM SOLAR-COIL RETURN								D	UAL COIL			
	†a			H2OI60DOL		6	0			7.4	8.3	1
				H2OI80DOL		8	0			7.4	8.0	1
	TOP COIL. 3/8" ID THERMAL WELL			H2OI115DOL	115				7.4		8.9	1
	4/	NPT RECIRC. URN PORT		H2OI60DEOL		6	0			7.4	8.3	1
		HEATING COIL BACKUP		H2OI80DEOL		8	0			7.4	8.0	1
	Вотт 3/8" !	TOM COIL ID THERMAL WELL		H2OI115DEOL		11	15			7.4	8.9	1
و ا		ALUEATING CON		Note: Max. Worl	king pressi	ure 150 ps	i for all cap	oacities.				
		M HEATING COIL DLAR		General Infor	mation (	See Install	ation, Ope	ration and	Maintenanc	e Manual for c	omplete instructio	ns)
DUA	DUAL COIL UNITS			Model	Max. First Cont Hour Rating Ra		Contii Rat Gal./		Max. Rec. Rec. Top Coil		Min. Boiler Water Flow Through Coil	Pressure Drop Through Coil
					140° F	115° F	140° F	115° F	(Gal./Hr.)	(Gal./Hr.)	(Gal./Min.)	(Ft. Water)
1 ((	(F)							SII	NGLE COIL			
/	· //	1.5		H2OI60EOL	45.9	52.0	15.9	22.0	N/A	214	10.0	3.5
`		1.5 -		H2OI80EOL	55.9	62.0	15.9	22.0	N/A	214	10.0	3.6
∈				H2OI115EOL	H2OI115EOL 73.9 80.0 15.9 22.0 N/A 214 10.0 3.9							3.9
								D	UAL COIL		1	
	_ /	4" X 10" ELECTRICAL BOX		H2OI60DOL	45.9	52.0	15.9	22.0	185	214	10.0	3.5
				H2OI80DOL	55.9	62.0	15.9	22.0	180	214	10.0	3.6
				H2OI115DOL	73.9	80.0	15.9	22.0	190	214	10.0	3.9
	<i>\</i>	3/8* ID THERMAL WELL		H2OI60DEOL	45.9	52.0	15.9	22.0	185	214	10.0	3.5
	•//	- DRAIN VALVE		H2OI80DEOL	55.9	62.0	15.9	22.0	180	214	10.0	3.6
	• /			H2OI115DEOL	73.9	80.0	15.9	22.0	190	214	10.0	3.9
				Note: All rating	s are base	ed on 180°	F boiler v	water sup	ply and 50°	F cold water i	nlet. For Dual Co	il units,
ELECTR	IIC BACKU	IP UNITS		continuous ratings shown are for the lower coil only. Specifications subject to change without notice.								
Dimensions & Weights  Models Height Dia. Shp. Wgt.			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. Removable thermal well to accept a solar control thermostat or thermistor. Dual coil units equipped with two aquastat wells which control each coil independently and built-in recircu trapping. Units with Electric Back-Up are provided with 4" x 10" electrical box with pre-vententing element, thermostat, and hi-limit. All electric back-up units provided with 240 volt A 3500 watt element.					allation. al coil units uilt-in recircula- ox with pre-wired			
	(Inches)	(Inches)	(Lbs.)	Options	(E) Elect	ric Back-	Up models	s for supp	lemental he	eating.		
HOOISOFOL	SINGLE CO	OIL 23.5	135	Certification/						7		
H2OI60EOL H2OI80EOL	56.0	28.0	145	Decoding						CA		
H2OI115EOL	74.0	28.0	180					<u>H2</u>	ا <u>۷</u>			
DUAL COIL				]		TI			I=Inc	60=60 Gals.	D=Dual Coil E=Electr Back u	
H2OI60DOL	62.0	23.5	165		[[	<b>_                                    </b>	СМ			80=80 Gals. 115=115 Gals.	(3500 Wa	atts)
H2OI80DOL	56.0	28.0	175		\ _\(\lambda_1\)	<b>VID</b>	IIG					
H2OI115DOL H2OI60DEOL	74.0 62.0	28.0 23.5	205 175			LISTED	03					
H2OI80DEOL	56.0	28.0	185		-	4	<u> </u>	Conform	s to ULS	TD 174		
H2OI115DEOL	74.0	28.0	215		In	terte	eK (	Certified	to CAN/C	SA STD C2	22.2 No. 110-9	4
		<u> </u>		I	I .						PN 24	 0009761 Rev. 8/12

