



SuperStor Ultra Water Heaters Submittal Sheet

JOB NAME:

LOCATION:

ARCH./ENGR.:

WHOLESALER:

MECH. CONTRACTOR:

MODEL NUMBER:

NOTES:

Stainless Steel Tank

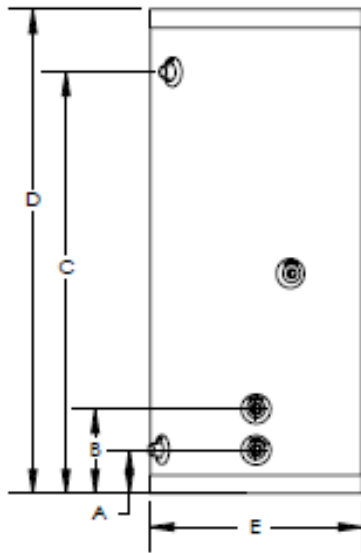
- Tank constructed of type 316L stainless steel for tolerance of high temperatures and superior corrosion resistance
- Insulated with approximately 2" of environmentally safe, CFC free, water-blown, extra thick foam insulation
- Allows less than ½ degree Fahrenheit per hour heat loss
- Outer shell constructed of silver finished durable plastic for rust and impact resistance
- NPT stainless steel inlet and outlet domestic connections for all models – side tapings
- Temperature and pressure relief valve port
- Stainless steel control well for accurate current temperature measurement inside vessel
- Internal bent hot water outlet tube extracts 5 – 7% more hot water off the top of the tank dome

High Efficiency Heat Exchanger

- High output finned 90/10 cupronickel heat exchanger provides corrosion resistance and maximum heat transfer of solar energy to domestic water
- Gasketless heat exchanger design
- 1" NPT heat exchanger inlet/outlet size – all models
- Live Steam Applications are allowed ONLY on 80 and 119 gallon SSU / SSU-C models. Pressure of steam in the indirect heat exchanger MUST NOT EXCEED 10 PSI.

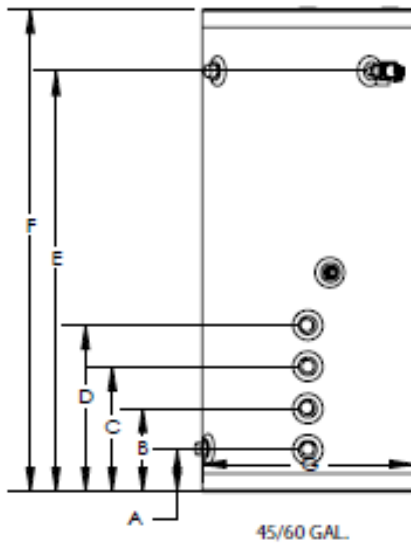
Additional Features

- Standard Limited Warranty – Ten (10) years residential and seven (7) years commercial use coverage
- Extended Limited Warranty - Lifetime residential use warranty with online registration
- ETL Listed
- NSF Listed Components
- Lead Free Compliant, as required by the Safe Drinking Water Act, Section 1417



SUPERSTOR ULTRA

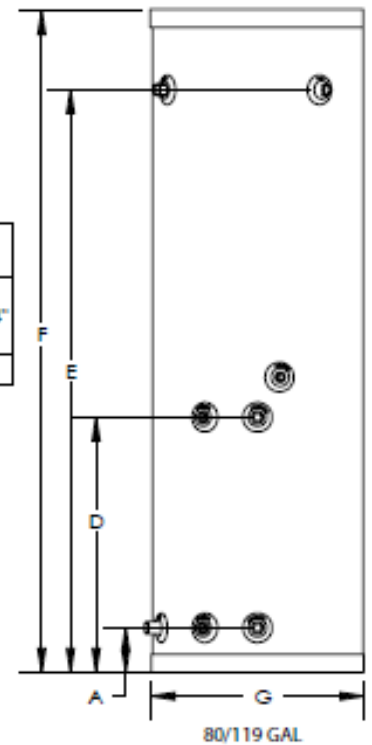
MODEL	A	B	C	D	E	CAPACITY U.S. GAL.	DOMESTIC CONNECTION	SHIPPING WEIGHT
SSU-20N	5-1/4"	9-3/4"	22"	27"	19-1/4"	20 GAL.	3/4" NPTM	51 LBS
SSU-30N			34"	39-1/2"		30 GAL.		62 LBS
SSU-30LBN			22"	28-1/2"	23-1/4"	71 LBS		
SSU-45N			46"	52-1/2"	19-1/4"	45 GAL.		72 LBS
SSU-60N			23-1/4"		60 GAL.	109 LBS		
SSU-80N	6"	29"	64-3/4"	72"	80 GAL.	1" NPTM	143 LBS	
SSU-119N	7-1/4"	30-1/4"	66"	74"	27"	119 GAL.	1-1/2" NPTM	212 LBS



SUPERSTOR ULTRA COMMERCIAL

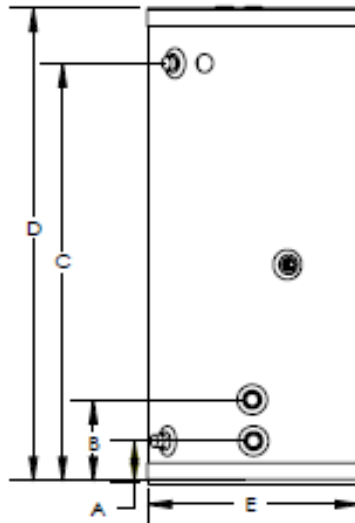
MODEL	A	B	C	D	E	F	G
SSU-60CN	5-1/4"	9-3/4"	14"	18.75"	46"	52-1/2"	23-1/4"
SSU-80CN	6"	N/A	N/A	29"	64-3/4"	72"	
SSU-119CN	7-1/4"	N/A	N/A	30-1/4"	66"	74"	27"

MODEL	CAPACITY U.S. GAL.	DOMESTIC CONNECTION	SHIPPING WEIGHT
SSU-60CN	60 GAL.	1" NPTM	126 LBS
SSU-80CN	80 GAL.	1-1/2" NPTM	175 LBS
SSU-119CN	119 GAL.		242 LBS



45/60 GAL.

80/119 GAL.



SUPERSTOR ULTRA DOUBLE WALL

MODEL	A	B	C	D	E	CAPACITY U.S. GAL.	DOMESTIC CONNECTION	SHIPPING WEIGHT
SSU-45DWN	5-1/4"	9-3/4"	46"	52-1/2"	19-1/4"	45	3/4" NPTM	81 LBS.
SSU-60DWN					23-1/4"	60	1" NPTM	112 LBS.
SSU-80DWN	6"	21"	64-3/4"	72"	27"	80	1-1/2" NPTM	139 LBS.
SSU-119DWN	7-1/4"	22-1/2"	66"	74"		119		210 LBS.

SUPERSTOR ULTRA

MODEL	HEAT EXCHANGER SURFACE/VOLUME	PRESSURE DROP (FT.)	TEST PRESSURE	WORKING PRESSURE	180° BOILER WATER FIRST HOUR RATINGS (GAL) *		200° BOILER WATER FIRST HOUR RATINGS (GAL) *		180° F BOILER BTU/SIZE	200° F BOILER BTU/SIZE	RECOMMENDED FLOW RATE
					140° F	115° F	140° F	115° F			
					SSU-20N	15 SQ. FT./1.5 GAL.	6.0	300 PSI			
SSU-30N	154	212	172	234	102,000				117,000		
SSU-30LBN	169	234	189	257	114,000				131,000		
SSU-45N	20 SQ. FT./2.0 GAL.	7.9	300 PSI	150 PSI	212	292	237	322	141,000	161,000	10
SSU-60N					266	370	298	405	174,000	198,000	
SSU-80N	34 SQ. FT./3.0 GAL.	9.1	300 PSI	150 PSI	330	440	370	503	212,000	241,000	12
SSU-119N		11.3			423	564	474	645	269,000	301,000	14

SUPERSTOR ULTRA COMMERCIAL

MODEL	HEAT EXCHANGER SURFACE/VOLUME	PRESSURE DROP (FT.)	TEST PRESSURE	WORKING PRESSURE	180° BOILER WATER FIRST HOUR RATINGS (GAL) *		200° BOILER WATER FIRST HOUR RATINGS (GAL) *		180° F BOILER BTU/SIZE	200° F BOILER BTU/SIZE	RECOMMENDED FLOW RATE
					140° F	115° F	140° F	115° F			
					SSU-45CN	40 SQ. FT./4.0 GAL.	6.8	300 PSI			
SSU-60CN	9.2	354	467	396	539		245,000		270,000	22	
SSU-80CN	68 SQ. FT./6.0 GAL.	10.0	300 PSI	150 PSI	490	647	548	745	331,000	374,000	24
SSU-119CN		12.7			637	841	713	970	425,000	490,000	28

SUPERSTOR ULTRA DOUBLEWALL

MODEL	HEAT EXCHANGER SURFACE/VOLUME	RECOMMENDED FLOW RATE (GPM)	PRESSURE DROP (FT.)	TEST PRESSURE	180° BOILER WATER FIRST HOUR RATINGS (GAL) *		200° BOILER WATER FIRST HOUR RATINGS (GAL) *		180° F BOILER BTU/SIZE
					140° F	115° F	140° F	115° F	
					SSU-45DWN	15 SQ.FT/1.5 GAL	6	8.2	
SSU-60DWN	7	12.8	50	76	90		144	176,000	
SSU-80DWN	10	13.6	72	113	138		215	208,000	
SSU-119DWN	12	15.9	110	171	210		326	231,000	

*DOE TEST METHOD BASED ON 90° F TEMPERATURE RISE, 50° /140° W/BOILER WATER AT 180° F

NOTE: TANK RECOVERY FROM COLD START WILL BE BETWEEN 10-13 MINUTES WHEN SIZED WITH CORRECT FLOW RATE, BOILER SIZE AND PRESSURE DROP RATINGS FROM LIST IN ABOVE CHART.

LP-730-A
11/26/19

Continuous Flow Performance Calculation

First Hour Rating - (.75 X Tank Capacity) = Continuous Flow

Example: SSU-45CN = 314 - (.75 X 45) = 280.25