

HEScoTM INC.

INDUSTRIES, INCORPORATED

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Low Volume Steam Fired Water Heater Series HSLV

Point-of-use storage water heater that utilizes steam to heat domestic water. The compact design takes up minimal floor space and eliminates the need to rely on oversized instantaneous heaters or large storage heaters for low to medium demand hot water requirements. It is constructed for demanding commercial and industrial applications by utilizing a heavy duty storage vessel lined with specially formulated Silica Cement, Copper Silicon threaded tank openings and a built-in heat trap, all of which ensure a long lasting and energy efficient water heater.



STANDARD EQUIPMENT

- Silica Cement Tank Lining
- Copper-Silicon Alloy Tappings
- High Impact Composite jacket
- 2" Thick Polyurethane Foam Insulation
- "Y" Strainer
- Steam Control Valve
- Drip Trap
- Main Steam Trap

OPTIONAL EQUIPMENT

- Double Wall Copper Fin Tube Heating Coil
- Single Solenoid Safety
- Double Solenoid Safety
- Electric Back Up Heating Element in Various Wattages and Voltages
- Alternate Temperature Controller Range
- Steam Pressure Reducing Valve
- Intra-Tank Circulating Pump
- Integrally Welded Seismic Attachment Points

WATER HEATER SPECIFICATIONS - HSLV

TANK: Silica Cement
 CAPACITIES: 65-120 Gallons
 ORIENTATION: Vertical
 CONNECTION SIZES:
 Inlet/Outlet: 1 1/2" Male NPT
 Return Line: 3/4" Female NPT
 Drain: 3/4" Hose Connection
 Relief Valve: 3/4" Female NPT
 RELIEF VALVE TYPE: T & P, 210°F, 150 psi
 PRESSURE RATING: 150 psi WP, 225 psi TP
 COIL CONSTRUCTION
 Material: Copper Fin Tube
 Type: Single Wall
 Rating: 150 psi WP, 300 psi TP
 Tube: 7/8" O.D.
 Connections: 3/4" Male NPT
 MAX INPUT: 199,900 BTUH/HR

MAX STEAM CONSUMPTION: 211 Lbs/Hr
 TEMPERATURE REGULATOR: Self-Contained Type
 MAIN TRAP TYPE: F & T Cast Iron
 DRIP TRAP TYPE: Thermostatic
 INSULATION: 2" Polyurethane Foam

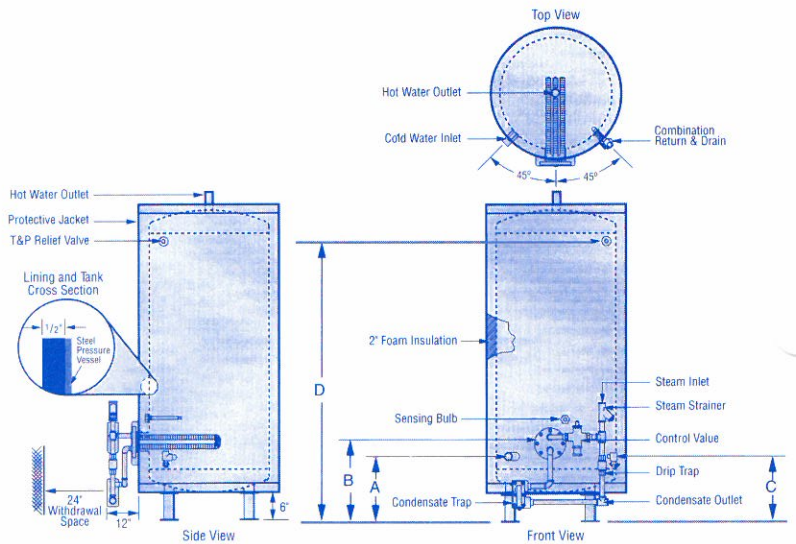
WARRANTY:
 Tank: 5 Year Non-Prorated
 Coil: 1 Year Non-Prorated
 JACKET: High Impact colored composite
 COLOR: Brown and Tan

NOTE:
 Steam operating controls are factory selected and supplied for in the field installation. Steam controls include the following: steam control valve, steam strainer, drip trap, and main trap.

STEAM OPERATING CONTROLS SIZING

Steam Pressure	Control Valve	Steam Strainer	Drip Trap	Main Trap
0-10 psi	1"	1"	1/2"	1/2"
11-25 psi	3/4"	3/4"	1/2"	1/2"
25-125 psi	1/2"	1/2"	1/2"	1/2"

OUTLINE DIMENSIONS

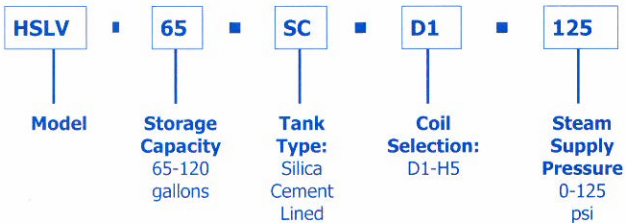


RECOVERY RATINGS HEATING COIL SELECTION

Temperature Rise ° F (From-To)	GPH Heated	Heating Coil Model
40-110	343	D1
40-120	300	D2
40-140	240	D3
40-160	200	D4
40-180	171	D5
50-110	400	F1
50-120	343	F2
50-140	267	F3
50-160	218	F4
50-180	185	F5
60-110	480	H1
60-120	100	H2
60-140	300	H3
60-160	240	H4
60-180	200	H5

NOTE: Maximum steam consumption is 211 Lbs/Hr for all of the above recoveries.

SAMPLE MODEL NUMBER:



Base Model	Storage Capacity (Gallons)	Overall Diameter (Inches)	Overall Height (Inches)	Floor To: (Inches)				Shipping Weight (lbs)
				Inlet 'A'	Coil 'B'	Return 'C'	Relief Valve 'D'	
HSLV-65	65	26	54	14	16	15	46	325
HSLV-80	80	26	64	14	16	15	57	360
HSLV-100	100	26	76	14	16	15	68	390
HSLV-120	119	28	76	14	17	15	68	440