

1. Manufactured and certified by **A.O. Smith Water Products Company-5, Water Products Division, 25589 Highway 1 North, McBee, South Carolina, 29101**  
(name and address of manufacturer)

2. Manufactured for **STOCK**  
(name and address of purchaser)

3. Location of Installation **Not Known**  
(name and address)

4. Identification **251362 to 251373** **L5131-5C** **195303-000 Rev 3** **251362-251373** **2019**  
(manufacturer's serial no.) (CRN) (drawing no.) (National Board no.) (year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE.  
The design, construction, and workmanship conform to Part HLW, Section IV  
**2017** **N/A** **2904**  
(year) [addenda (as applicable) (date)] (Code Case no.)

6. Shell **1** **SA414G** **.125** **GLASS** **25.5" ID** **4' 4.00"**  
(no.) (material spec., gr.) (thickness) (lining) (diameter) [length(overall)]

7. Joints **Welded** **85%** **Welded** **1**  
[long. (seamless, welded)] [eff. (compared to seamless)] [girth (seamless, welded)] (no. of shell courses)

8. Heads **Flat**

Location	Material Spec., Gr., Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Flat Diameter	Side Pressure (concave, convex)
<b>TOP</b>	<b>SA414C .238"</b>	<b>N/A</b>	<b>1.06"</b>		<b>22.904"</b>	
<b>BOTTOM</b>	<b>SA414C .238"</b>	<b>N/A</b>	<b>1.06"</b>		<b>22.904"</b>	

9. Tubesheet **SA414C** Tubes **24** **2.5"** **4' 2.75"** **SA 513** **0.075"** **Welded**  
(material spec., gr.) (no. ) (size) [length(overall)] (mat'l spec., gr.) (thickness) (rolled or welded)

10. Nozzles, inspection, and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	How Attached	Material	Nominal Thickness	Reinforcement Material	Location
Handhole	1	2.75X3.75	N/A	Welded	N/A	.94"	N/A	Shell
Inlet and Outlet	2	NPS 1-1/2"	Thd'd	Welded	SA181-70	.75"	None	Head
Relief	1	NPS 1"	Thd'd	Welded	SA181-70	.75"	None	Shell
Anode	4	NPS 3/4"	Thd'd	Welded	A576-1010	.693"	None	Head
Thermostat	2	NPS 3/4"	Thd'd	Welded	A576-1010	.693"	None	Shell
Drain	1	NPS 3/4"	Thd'd	Welded	A576-1010	.693"	None	Shell
Inlet and Outlet	4	NPS 1-1/2"	Thd'd	Welded	SA181-70	.75"	None	Shell

11. MAWP **160 psi** Max. input **740000 BTU/HR** Max. temp. **210 °F** Hydrostatic test **160 psi**

12. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items for this report  
**N/A**  
(name of part, item no., manufacturer's name, identification stamps)

13. Remarks  
**MAWP established by proof test HLW502.1 (d) (2) (b) and HLW503.1**  
**Constructed under the provisions of HG515.4 (b)**  
**Handhole material SA181-70**  
**SAP # 100052972 replaces drawing # 195303-000**  
**AOS Rev. 13**

# HLW-6

Manufactured by A.O. Smith Water Products Company-5, Water Products Division, 25589 Highway 1 North, McBee, South Carolina, 29101

Mfr's Serial No. 251362 to 251373

National Board No. 251362-251373

## CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this water heater or storage tank conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"HLW" Certificate of Authorization no. 21779 expiration date 8/13/2021

Date 2/14/2019 Name A.O. Smith Water Products Company-5, Water Products  
(manufacturer that constructed Division and water heater or storage tank)

Signed   
(by representative)

## CERTIFICATE OF SHOP INSPECTION

Constructed by A.O. Smith Water Products Company-5, Water Products Division at 25589 Highway 1 North, McBee, South Carolina, 29101

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company

have inspected parts referred to as data items 1 thru 13

and have examined Manufacturer's Partial Data Report for items NA

and state that, to the best of my knowledge and belief, the manufacturer has constructed the water heater or storage tank in accordance with Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate, neither this Inspector, nor his employer makes any warranty, expressed or implied, concerning the water heater or storage tank described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 2/14/2019

Signed   
(Authorized Inspector)

Commission 16381  
(National Board Authorized Inspector Commission Number)