VAUGHN
a nudyne company

Seamless HydraStone® cement lining provides a longer tank life.

High impact composite jacket will not rust, scratch or dent and is easy to clean.

Factory wired and fully integrated commercial grade operating.

With no anode rod, maintenance is minimal

- 2" thick polyurethane foam insulation and HydraStone lining minimize standby heat loss
- 5 year limited warranty
- All warranties are non-pro rated

High Efficiency

The Vaughn Commercial Electric Water Heater is a highly efficient and robust design well suited for the high demands of commercial hot water applications. The Vaughn tank is constructed using heavy gauge steel combined with a specially formulated HydraStone lining, all bronze fittings, and CFC free polyurethane foam insulation to provide a maintenance free, long lasting water heater. Our leading 5 year warranty provides further peace of mind. Available voltage configurations are 208, 240, 277, 480, or 600, single or three phase, up to 54kW. Other power arrangements and numerous optional features are available upon customer specification.

Applications

Residential, restaurants, schools, office buildings, and much more.

Intertek

AHRI CERTIFIED

MADE IN USA
BUY AMERICAN ACT COMPLIANT
CONTAINS IMPORTED COMPONENTS

Heavy Duty Electric Water Heater

Available in 50-119 Gallon Capacities

HDC



HS

SERIES

978-462-6683
vaughncorp.com
sales@vaughncorp.com

Vaughn Commercial Water Heater Features

Hot Water Outlet
Large 1½" water connections for optimal performance.

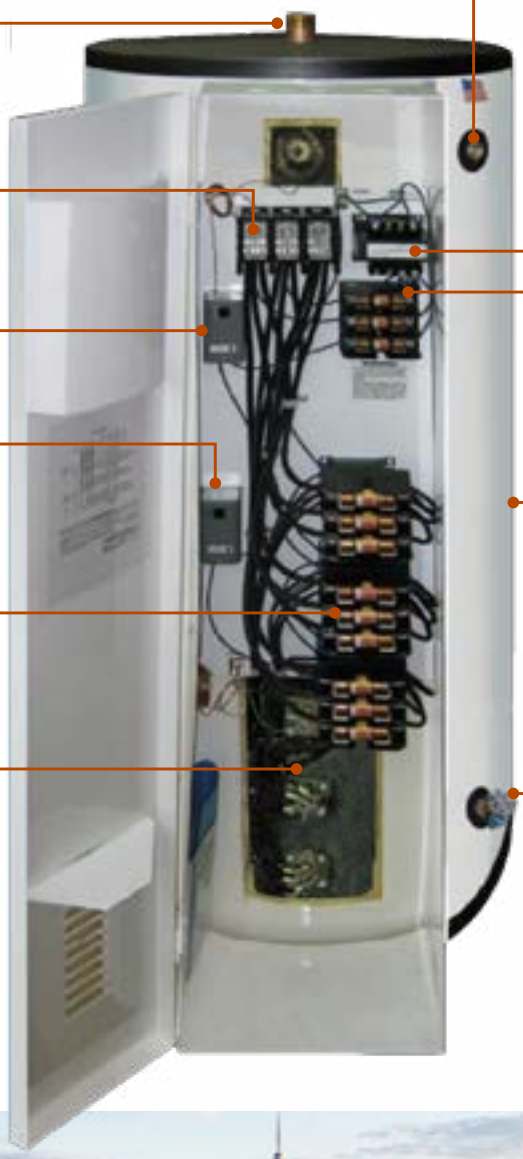
Power Distribution Block
Provides a single electrical connection point.

Immersion Hi-Limit
with manual reset.

Immersion Thermostat
Provides accurate temperature control and is user adjustable.

Fused Circuits & Contactors
Provides a single electrical connection point.

Long-Life Elements
3 Incoloy sheath heating elements for long life and reduced mineral build-up



Non Ferrous Fittings
All bronze fittings eliminate corrosion due to dissimilar metals. No dielectric unions or anode rod required.

Control Circuit Transformer
Provides 120V power to all operating controls.

Control Circuit Fusing

Plastic Jacket
Rust-free, light weight, all plastic outer jacket. Easy to clean and no maintenance.

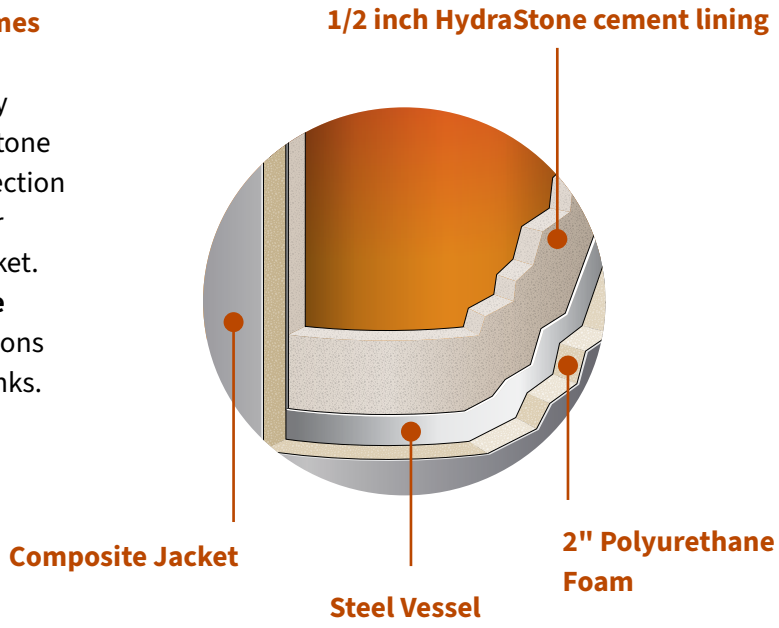
Brass Drain



THE BENEFIT OF HYDRASTONE® LINED TANKS

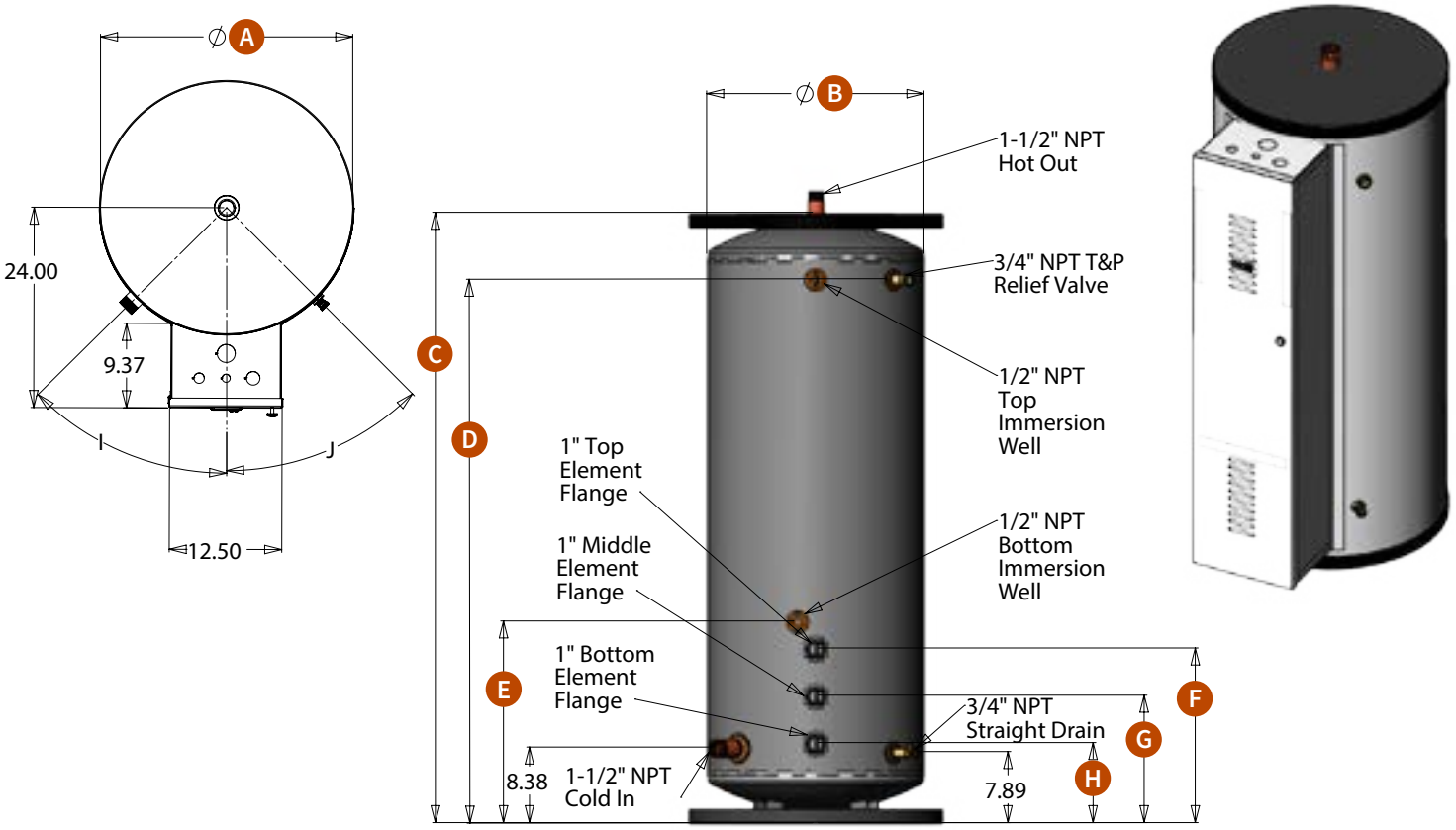
1/2 inch high density HydraStone cement is 100 times thicker than a glass lining

Full and uniform coverage is achieved by centrifugally spinning the tank with the precise amount of HydraStone cement inside. This process provides maximum protection from the corrosive effects of hot water and makes our water heaters some of the longest lasting on the market. Additionally, **HydraStone lined tanks do not require a sacrificial anode rod**, eliminating periodic inspections and replacement costs associated with glass lined tanks.



KILOWATT SELECTION CHART AND AMPERAGE RATINGS

Standard Rating KW	BTU/Hr	GPH Recovery at 100°F Rise (°FΔT)	Amperage Ratings At Various Voltages						
			Single Phase			Three Phase			
			208 V	240 V	480 V	208 V	240 V	480 V	600 V
12	**40,944**	49	58	50	25	33	29	14	12
18	**61,416**	74	87	75	38	50	43	22	17
24	**81,888**	98	115	100	50	67	58	29	23
30	**102,360**	123	144	125	63	83	72	36	29
36	**122,832**	147	173	150	75	100	87	43	35
48	**163,776**	196	231	200	100	133	115	58	46
54	**184,248**	221	260	225	113	150	130	65	52



TANK DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	I	J
	Jacket Diameter	Tank Diameter	Height to Pan	Height to T&P Relief Valve	Height to Bottom Immersion	Height to Top Element	Height to Middle Element	Height to Bottom Elelement	Angle of Cold In	Angle of Drain and T&P
50A	22.75	19	49.75	42.875	22.375	19.375	14.125	8.875	50	50
80A	26	22	57.25	49.875	22.375	19.375	14.125	8.875	45	45
100A	26	22	67.5	60.375	22.375	19.375	14.125	8.875	45	45
120A	28	24	67.75	60.375	22.375	19.375	14.125	8.875	45	45

About Vaughn

Vaughn is the leading manufacturer of HydraStone® (HS) lined and Featherweight (FW) Thermoplastic water heaters. We manufacture 30-120 gallon electric, hybrid, indirect, and solar water heaters for residential and commercial applications as well as energy controllers and electronic devices.

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