model 9321

Compact Wall-Mount Electric Tankless Heater

FEATURES & BENEFITS

MODEL 9321
Unit enclosed in a powder-coated, cold rolled steel cabinet.

CONSTRUCTION
Manufactured from NSF-61 listed materials.

SAFETY and RELIABILITY
Thermo-Optical sensor for protection against entrained air or improper commissioning.

CONTROL and CONSUMPTION
Active energy management to ensure optimal application of energy based on real-time systems demands. Multistage element turn-on. Visual interface for field programming. BMS capable. Industry-leading temperature response rate.

MODULAR HEATING CHAMBER ASSEMBLY
Up to 6 heating cartridges and up to 12 direct heating elements with molded-in termination rods. Flow, fault codes, and system stations displayed on LCD.

COMPACT POWER
Uses up to 21kW per heating chamber.

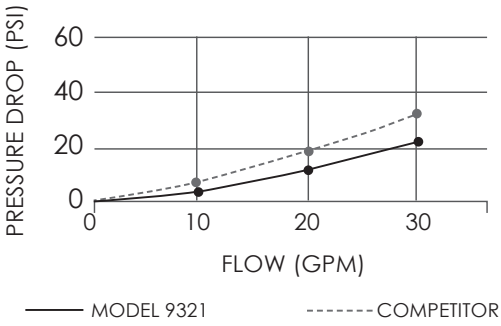
PREDICTIVE CONTROL ALGORITHM
Uses a high-capacity flow meter with inlet and outlet temperature sensors to maintain set temperature points.

DIAGNOSTICS
On-board diagnostics with digital LCD display.

INSTALLATION
Unit designed for wall-mounted installation.

MAINTENANCE
Unit is designed for wall mounting only in areas not subject to freezing temperatures, temp and pressure relief valve not required, fast response rate means a hot water purge drain line is not required.

PRESSURE DROP



SPECIFICATIONS

54 kW 208v, 54-126 kW 480V, 61-150 kW 600V	Size: 18" H x 27" W x 11" D (45.7 cm x 68.6 cm x 27.9 cm) Weight: 65 lbs. (29.48 kg)
Rated Pressure:	150psi
Certifications:	208V & 480V heaters are UL listed to ANSI/UL 499 standard 600V heaters are UL listed to CSA22.2 No.88 standard
Unique Features:	Optic heat sensing safety Extremely compact footprint
Standard Temp Setting:	85° F (29.4° C)
Temp Accuracy:	+/- 1° at steady state flow
Max Flow Rate:	30 GPM (113.6 LPM)

BUY AMERICAN MADE IN USA

NO LEAD

1455 Kleppe Lane :: Sparks, NV 89431 :: p. 775.359.4712 :: f. 775.359.7424 :: e. info@hawsco.com :: www.hawsco.com :: 07 January, 2020

SAFETY APPLICATIONS

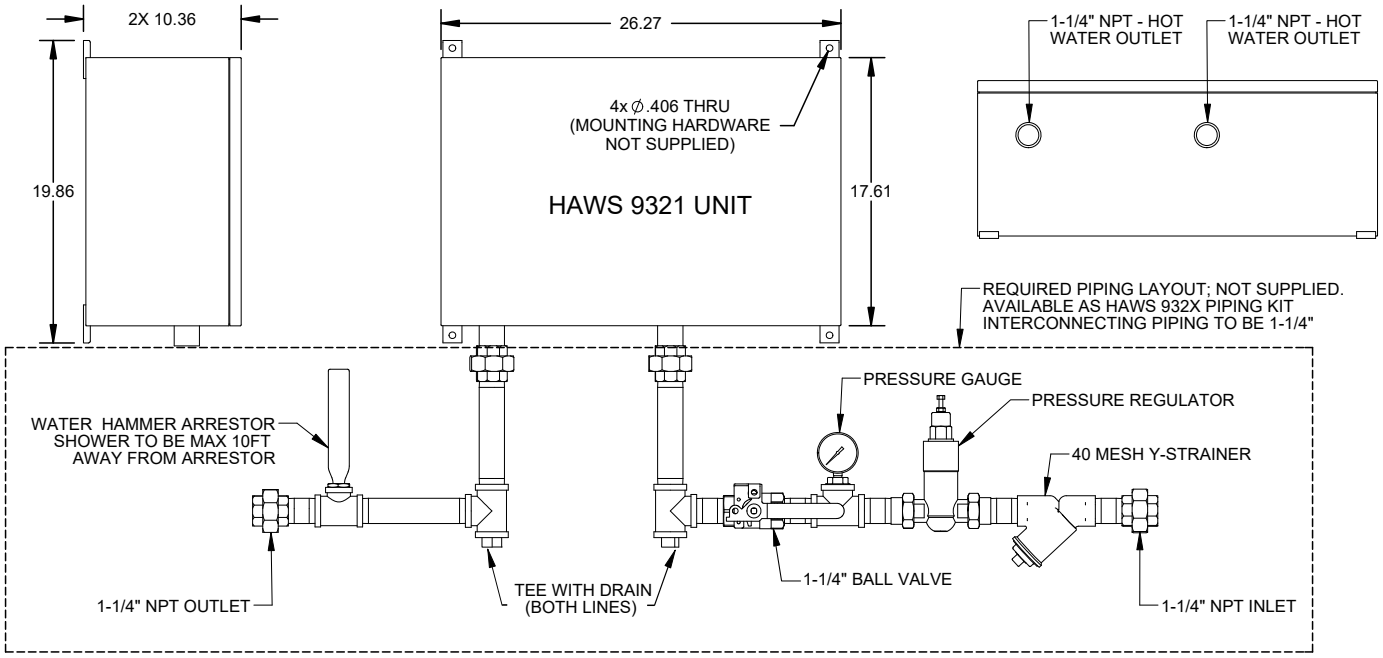
EYE/FACE WASH & DRENCH SHOWERS

Please specify power requirements when selecting a model.

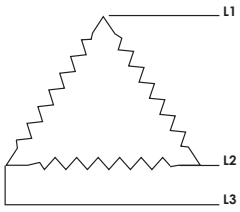
	VOLTAGE (Delta)	POWER (kW)	AMPS	RECOMMENDED WIRE SIZE	TURN-ON (GPM)	PHASE	NPT FITTING	TEMPERATURE RISE IN GPM (°F)							
								3.0	4.0	5.0	6.0	20.0	23.0	26.0	30.0
Model 9321	208v 3ø	54	150A/phase	2/0 AWG	1.5	Three	1.25"	123°	92°	74°	61°	18°	16°	14°	12°
Model 9321	480v 3ø	54	65A/phase	4 AWG	1.5	Three	1.25"	123°	92°	61°	49°	18°	16°	14°	12°
Model 9321	480v 3ø	72	87A/phase	3 AWG	2.5	Three	1.25"	•	123°	82°	66°	25°	21°	19°	16°
Model 9321	480v 3ø	108	130A/phase	1 AWG	2.5	Three	1.25"	•	•	123°	98°	37°	32°	28°	25°
Model 9321 (Standard)	480v 3ø	126	151A/phase	2/0 AWG	2.5	Three	1.25"	•	•	•	115°	43°	37°	33°	29°
Model 9321	600v 3ø	61	59A/phase	6 AWG	2.5	Three	1.25"	139°	104°	83°	69°	21°	18°	16°	14°
Model 9321	600v 3ø	102	98A/phase	1 AWG	2.5	Three	1.25"	•	•	139°	116°	35°	30°	27°	23°
Model 9321	600v 3ø	130	125A/phase	1 AWG	2.5	Three	1.25"	•	•	•	118°	44°	39°	34°	26°
Model 9321	600v 3ø	150	144A/phase	2/0 AWG	2.5	Three	1.25"	•	•	•	•	51°	45°	39°	34°

• Temperature electronically limited to factory preset not to exceed temperature

INSTALLATION DRAWING



ELECTRICAL CONFIGURATION & REQUIREMENTS



Three Phase Units
Delta Configuration

Requires: 3 Lives and
1 Ground (earth)

Additional options are not available for this unit, please see Haws® 9326 and 9327 models for similar units with capacity of additional options.

MODEL SELECTION

MODEL 9321. (X) *Select one option from 1-9 below*

VOLTAGES & kW

(1) 480v 3ø 126kW
(2) 480v 3ø 108kW
(3) 480v 3ø 72kW
(4) 480v 3ø 54kW
(5) 600v 3ø 130kW
(6) 600v 3ø 150kW
(7) 600v 3ø 102kW
(8) 600v 3ø 61kW
(9) 208v 3ø 54kW

Your configuration model: 9321. ____