



Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

SHIELD™ WATER HEATER

Submittal Sheet

SWH-Sub-07

SHIELD™ COMMERCIAL GAS WATER HEATER

Job Name: _____ Model No. _____

Location: _____ Type Gas: _____ BTU/Hr
Input _____

Engineer: _____ Recovery Rate in GPH _____ @ _____ °F Rise

Agent/Wholesaler: _____ Equipment Tag(s): _____

Contractor: _____

NOTES:

Standard Features

- > Up to 96% Thermal Efficiency
- > Modulating Burner with 5:1 Turndown
- > Operates at Temperatures up to 180°F for Sanitizing Applications
- > Stainless Steel Heat Exchanger
- > Glass-Lined Steel Tank
- > Magnesium Anode Rods
- > 150 PSI Working Pressure
- > ASME Construction (SWA150–500)
- > ASME Temperature & Pressure Relief Valve
- > Zero Clearances to Combustible Material
- > Certified for Installation on Combustible Floors
- > PVC, CPVC, Polypropylene and Stainless Steel Venting up to 150 Equivalent Feet
- > Direct-Vent Sealed Combustion
- > Rooftop and Sidewall Venting
- > Advanced SMART CONTROL
 - LCD Display
 - Time Clock
 - Night Setback
 - Alarm Contacts
 - Runtime Contacts
 - Manual Reset High Limit
 - 3 Water Temperature Sensors
 - Flue Temperature Sensor
 - Contacts for Louvers
 - Adjustable Pump Delay
 - Security Protection
 - Enable/Disable Contacts

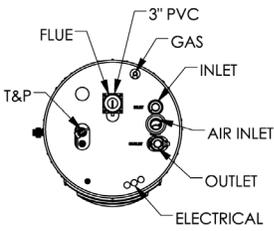
- > Low-NOx Operation, meets SCAQMD Rule 1146.2
- > Low Gas Pressure Operation
- > Direct-Spark Ignition
- > Brass Drain Valve
- > 8-Foot Power Cord
- > 3-Year Limited Warranty
- > 1-Year Parts Warranty

Optional Equipment

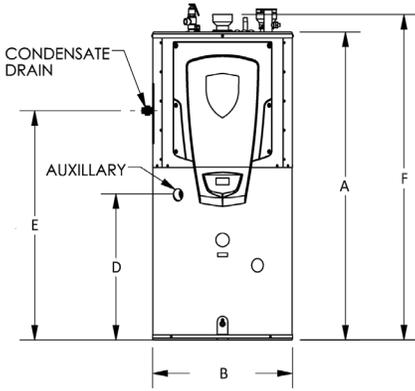
- CON-X-US® Remote Connectivity
- Modbus Communication
- BACnet Communication
- Audible Alarm Kit
- Concentric Vent Kit
- Condensate Neutralization Kit
- Low Water Cutoff Kit
- Sidewall Vent Termination Kit



SHIELD COMMERCIAL WATER HEATER – DIMENSIONS AND SPECIFICATIONS



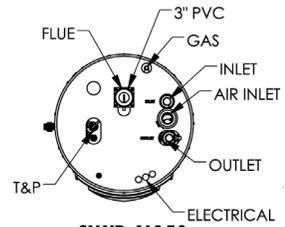
SW(R,A)125



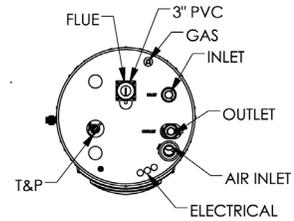
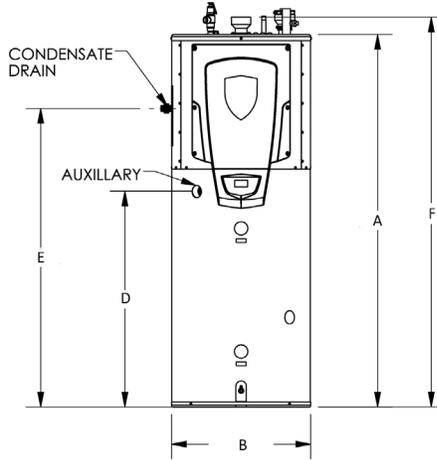
Model Number Guide

S	W	A	285	N
SHIELD	Water Heater	ASME Construction	285,000 Btu/hr Input	Natural Gas

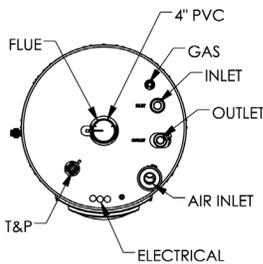
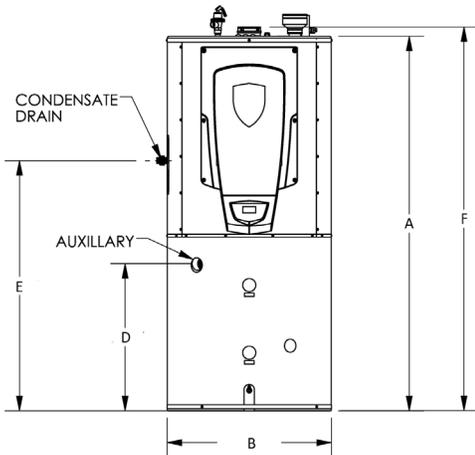
SHIELD
Water Heater
ASME
285,000 Btu/hr Input
Natural Gas



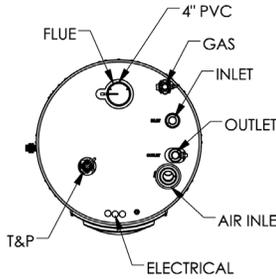
SW(R,A)150



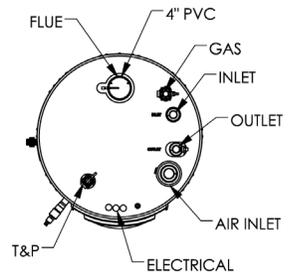
SW(R,A)200



SW(R,A)285



SW(R,A)400



SWA500

Model Number	Btu/hr Input	Capacity (Gals.)	Thermal Eff.	GPH @ 100° Rise	1st Hour	A	B	D	E	F	Gas Conn.	Water Conn.	Air Inlet	Vent Size	Ship Wgt. (lbs.)
Regular Construction															
SWR125N	125,000	65	96%	145	197	62 1/2"	28"	29-1/2"	46 1/2"	66"	1/2"	1-1/2"	3"	3"	377
SWR150N	150,000	90	96%	175	247	76"	28"	44"	61"	79-1/2"	1/2"	1-1/2"	3"	3"	700
SWR200N	199,000	90	96%	232	304	76"	28"	44"	61"	79-1/2"	1/2"	1-1/2"	3"	3"	725
SWR285N	285,000	110	95%	328	416	77-1/2"	34"	30-1/2"	51-3/4"	79-1/2"	3/4"	1-1/2"	4"	4"	800
SWR400N	399,000	110	95%	459	547	77-1/2"	34"	30-1/2"	51-3/4"	79-1/2"	1"	1-1/2"	4"	4"	850
ASME Construction															
SWA150N	150,000	90	96%	175	247	76"	28"	44"	61"	79-1/2"	1/2"	1-1/2"	3"	3"	700
SWA200N	199,000	90	96%	232	304	76"	28"	44"	61"	79-1/2"	1/2"	1-1/2"	3"	3"	725
SWA285N	285,000	110	95%	328	416	77-1/2"	34"	30-1/2"	51-3/4"	79-1/2"	3/4"	1-1/2"	4"	4"	800
SWA400N	399,000	110	95%	459	547	77-1/2"	34"	30-1/2"	51-3/4"	79-1/2"	1"	1-1/2"	4"	4"	850
SWA500N	500,000	110	96%	582	670	77-1/2"	34"	30-1/2"	51-3/4"	79-1/2"	1"	1-1/2"	4"	4"	875

Change "N" to "L" for LP gas. Field convertible to LP Gas.

A = ASME Construction / Check local and state codes for ASME requirements

Electrical Requirements: 120V/1PH/60Hz

All Information is subject to change without notice.



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LOW LEAD CONTENT

HLW