



RESIDENTIAL POOL & SPA PRODUCT CATALOG

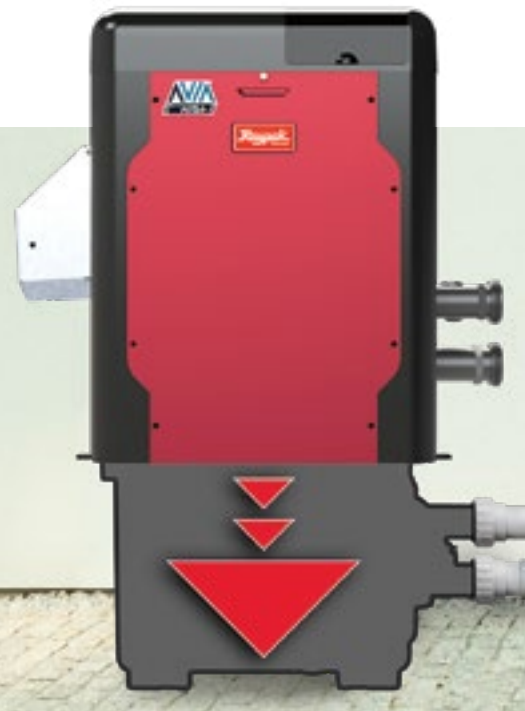


A proud member of the Rheem® family



RP-P-902-6 REV D

Why AVIA® is the **BEST** Replacement Heater



Best Retrofit Option

AVIA® water and gas lines up for easy connection and drop-in replacement of Jandy® JXi™ and Pentair® MasterTemp®.

Installation Versatility

Top can be easily removed for increased accessibility and rotated 360 degrees* to maximize installation flexibility for outdoor and indoor units.

*360 degrees is applicable when vent side is ducted.

Easy to Service

All components can be accessed from the top of the heater.

Pest-Protected Design

AVIA® is designed to keep critters out and prevent nesting and damage.

Scan the QR code to download the full Drop-In Replacement guide



3-Year Full Heater Warranty

For all residential replacements & new builds.



INDUSTRY FIRST TECHNOLOGY



LONGEVITY

NiTek reduces more than 50% scale formation¹ and has 900% more nickel compared to cupronickel in critical surfaces.²

EFFICIENCY

NiTek produces up to 2% more thermal efficiency than cupronickel, and the same thermal efficiency as copper.³

STRENGTH

NiTek is 300% more erosion resistant than copper, and 200% more than cupronickel.⁴

Disclaimers:

1. Hardwater : CaCO₃ content of 386 PPM has been used as the criteria for hardwater. Based on hardwater scale testing (CaCO₃ content of 386 PPM). Based on lab reliability data.

2. Based on material composition information from Raypak Series XXII Cu-Ni product, AVIA HD (Ni-coated) greater than 90% vs 10%.

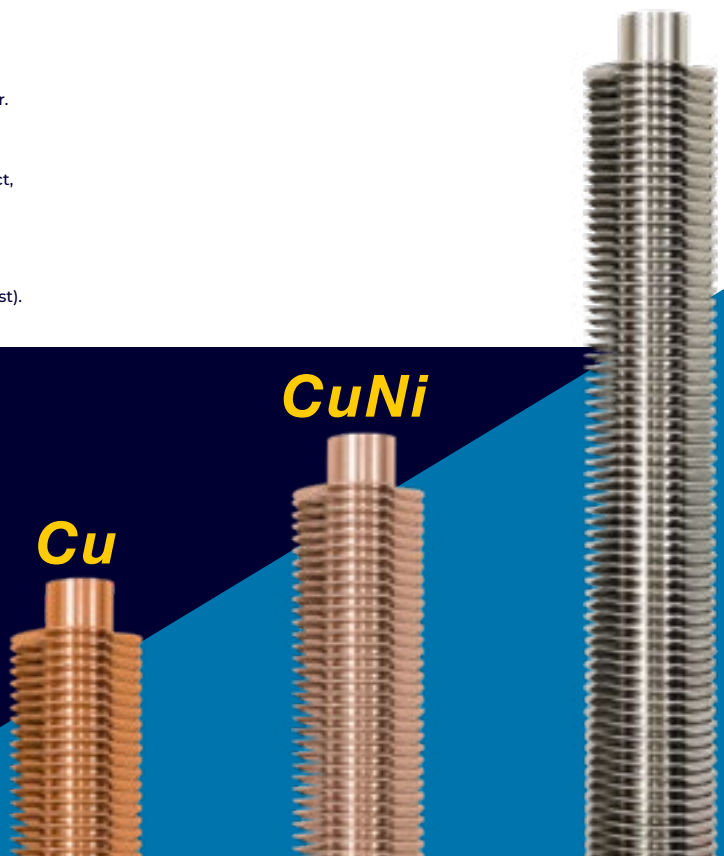
3. Based on the thermal efficiency testing collected with AVIA Ni-coated samples vs Raypak series XXII CU-Ni.

4. Based on ASTM G73-10 (2017) – material durability (liquid impingement erosion test).

NiTek

300% more erosion resistant than copper

200% more than cupronickel





Raypak® Keeps You Connected

Connect to your pool heater from anywhere. The Raymote® App allows you to automate and manage your pool temperature, get service or maintenance notifications, and track heater status and updates.



Compact & Easy to Install

The small footprint and lightweight design reduces install time and saves on unnecessary labor costs to the homeowner.

Easy Access for Serviceability & Maintenance

Both AVIA and Crosswind V are designed for quick and easy service access making maintenance a breeze.

Trusted Rheem Brand



8 out of 10 pool servicers choose Raypak®/Rheem® products. As a member of the Rheem family of brands, Raypak is committed to top quality products and superior performance.

- Based on a 2022 pool
servicer survey.



Heat Your Pool From Anywhere

“We own an Airbnb in a different state from our home and we wanted to be able to control our heater via Wi-Fi. AVIA gives us exactly the control we wanted, plus it heats up quickly for our guests.”

- Jim Ross
Homeowner



Download on the
App Store

GET IT ON
Google Play



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Take **CONTROL** with

CROSSV[®] WIND

Pumps, Lights, Blowers, Actuators & More



EASY AS 1-2-3...

Learn how to connect and control all major pumps on the market

1



WIRE

- Quick connection with
- RS485 Communication
 - Digital outputs
 - Auxiliary relay output

2



PROGRAM

Configure operation mode and set speeds on your pump

3



SCHEDULE

Using the Raymote[®] App, control your heater and pump from anywhere



Scan here for
library of guides



CROSSWIND V + VS PUMPS

Crosswind V connects directly to major pumps on the market including AquaStar's PipeLine Pump™.

COMPATIBLE PUMP BRANDS AND MODELS

BRAND	MODELS	NOTE
AquaStar™	PipeLine Pump™	• Direct control/scheduling capabilities through AquaStar Communication Cable (P/N AP2006) to Raypak's RS-485 Harness Adapter (P/N 100-10004059) connection. • Also compatible with Crosswind V 30VDC digital outputs and auxiliary relay outputs.
Hayward®	MaxFlo VS®, Super Pump® VS, TriStar® VS, THP VS Pump family, HCP3000 series VSP, others*	• Compatible with Crosswind V 30VDC digital outputs and auxiliary relay outputs. • The pumps may require to setup a DIP switch selector.
Pentair®	IntelliPro®, IntelliFlo®, SuperFlo®, SuperMax®, WhisperFlo®, Max-E-Pro®, others*	• Compatible with Crosswind V 30VDC digital outputs and auxiliary relay outputs. • The pumps may require enabling the digital selector from the pump configuration menus. • These pumps may require an IntelliComm® control center, IntelliComm® II Interface adapter, the "relay control board" or "digital input wiring kit".
Waterway™	Power Defender™ 165 / 225 / 270, others*	• Compatible with Crosswind V 30VDC digital outputs and auxiliary relay outputs.
Jandy®	VS PlusHP, VS FloPro™, others*	• These pumps don't have direct compatibility with Crosswind V 30 VDC digital outputs. • Crosswind V auxiliary relay outputs can be used to control these pumps.
Speck Pumps®	BADU EcoM3 V	• Compatible with Crosswind V 30 VDC digital outputs and auxiliary relay outputs.

Visit our website
to learn more



One System, Year-Round Comfort

Crosswind V delivers the best return on your investment by incorporating innovative, energy-efficient, and long-lasting design.

- Sleek, modern design
- Whisper quiet operation
- Solar thermal system control
- Hybrid heating control
- Control from anywhere with Raymote®



AUTO

Set the desired temp to heat or chill to the perfect swim temperature.



CHILL

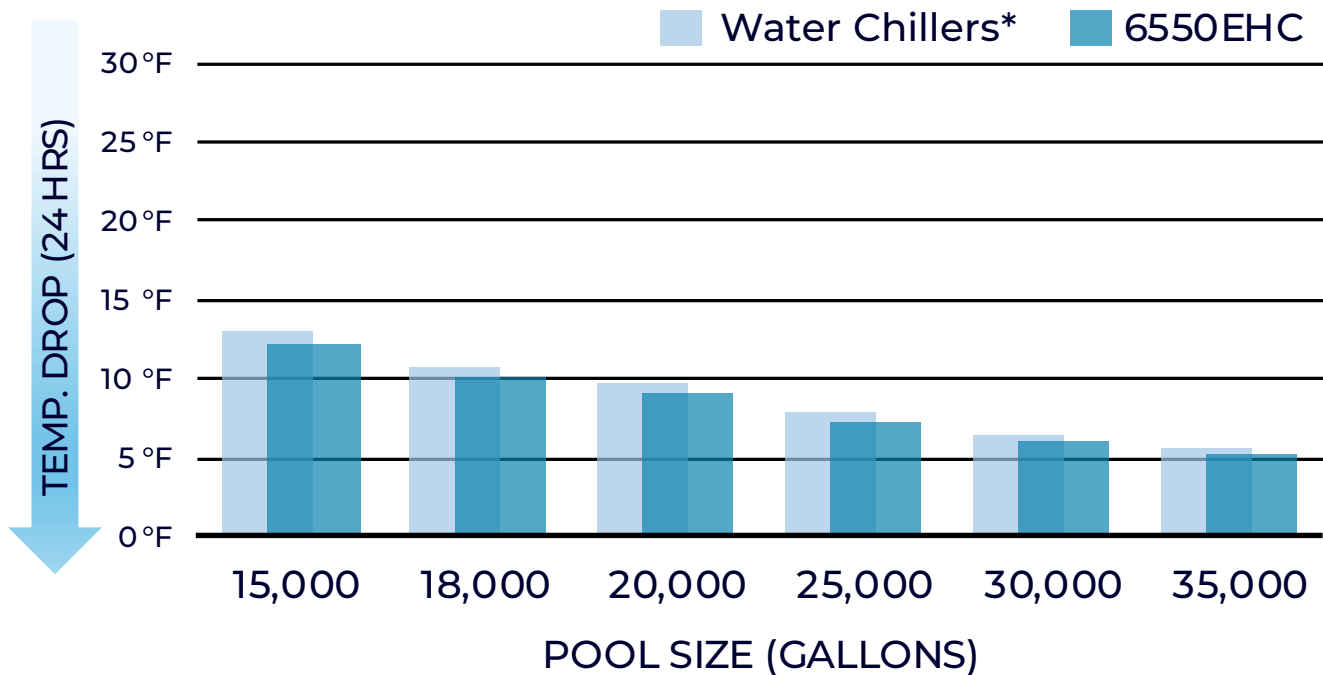
Chill your pool down 10 to 15 degrees in 24-hours to beat those hot summer days.



PLUNGE

Set Crosswind V as low as 44°F, perfect for typical 50° to 60°F cold plunges.*

*Typical cold plunge size of 500-1000 Gal.



Tested at the following conditions, 100/80/63.

* Compared to AquaCal® TropiCool® water chiller model TC1000.

** Drives most popular variable-speed (VS) pumps in the market.

*** Recommended breaker size based in nominal electrical conditions and standard unit operation. Consult I/O manual for MCA and MOCP values.



CONTROL UP TO 6 DEVICES

Advanced Automation Out-of-the-Box

Upgrade your backyard oasis at a fraction of the cost with built-in free automation controls. Easily control and automate up to six different devices:

- Actuator 1
- Actuator 2
- VS Pump Control**
- Single-Speed Pump
- Auxiliary 1
- Auxiliary 2

A person wearing a plaid shirt and a tool belt stands with their arms crossed on the left side of the frame. The background is a pool at night, with lounge chairs visible in the distance. The entire image has a blue color cast.

WE ARE THE POOL HEATING EXPERTS

WITH OVER 75 YEARS OF EXPERTISE
IN MANUFACTURING POOL HEATERS

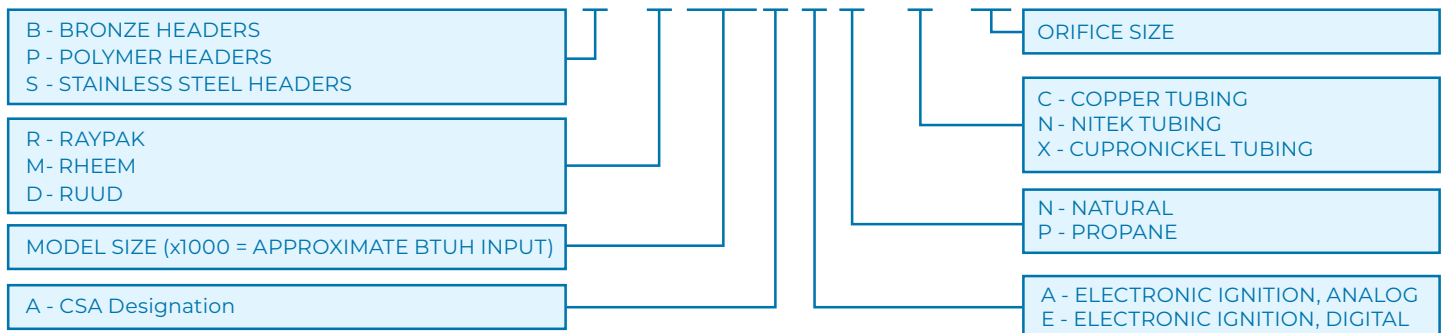
Raypak®
A Rheem® Company

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MODEL DESIGNATION

P - R 406A-E N - C #51





POOL & SPA HEATER

264A & 404A

Features

- Robust materials built to outlast. Stainless steel combustion chamber, straight tube heat exchanger.
- 3-year full heater warranty for all residential replacements and new builds.
- Fully serviceable with easy access to key components through the top of the unit.
- Water and gas connections align with common heaters making for easy drop-in replacement.
- 84% efficient Low NO_x copper & HD models. Future proofed against efficiency regulations.
- Free Wi-Fi control and fleet monitoring dashboard. Connect from anywhere using the Raymote® App.
- HD models feature NiTek Advanced Heat Exchanger Technology.
- Direct connect and control of AquaStar™ Pipeline Pumps™ for the perfect basic automation setup.



Full Heater Warranty



Featured on HD Models

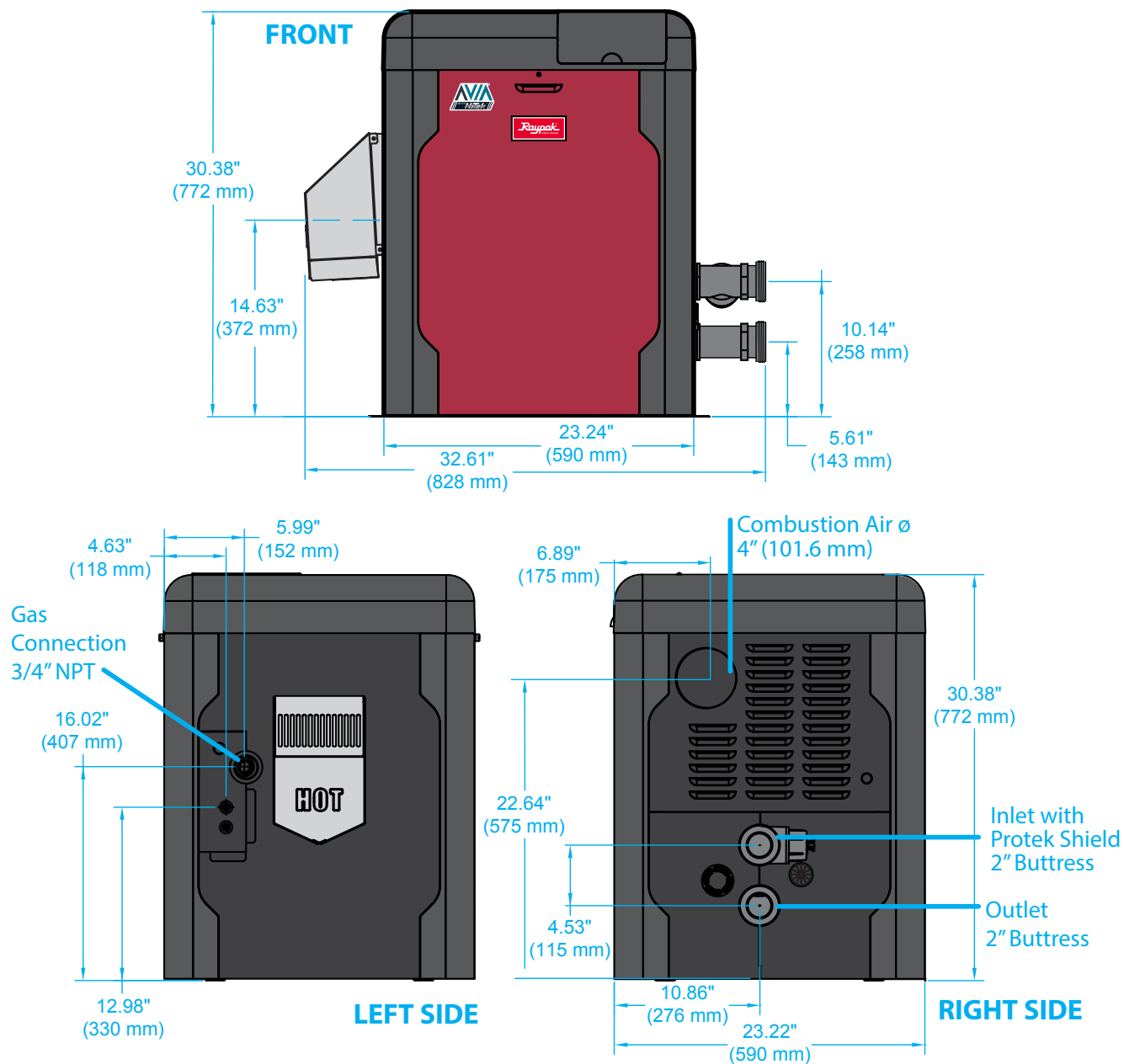


Free Raymote App
Connect from Anywhere



Pool Nation
Back-To-Back Winner

Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.)	Unit Weight lbs.	Shipping Weight lbs.
Copper Heat Exchanger						
P-R264A-EN-C	018032	264 (77.4)	Natural	0-10000	135	155
P-R404A-EN-C	018033	399 (116.9)	Natural	0-10000	135	155
P-R264A-EP-C	018038	264 (77.4)	Propane	0-4500	135	155
P-R404A-EP-C	018039	399 (116.9)	Propane	0-4500	135	155

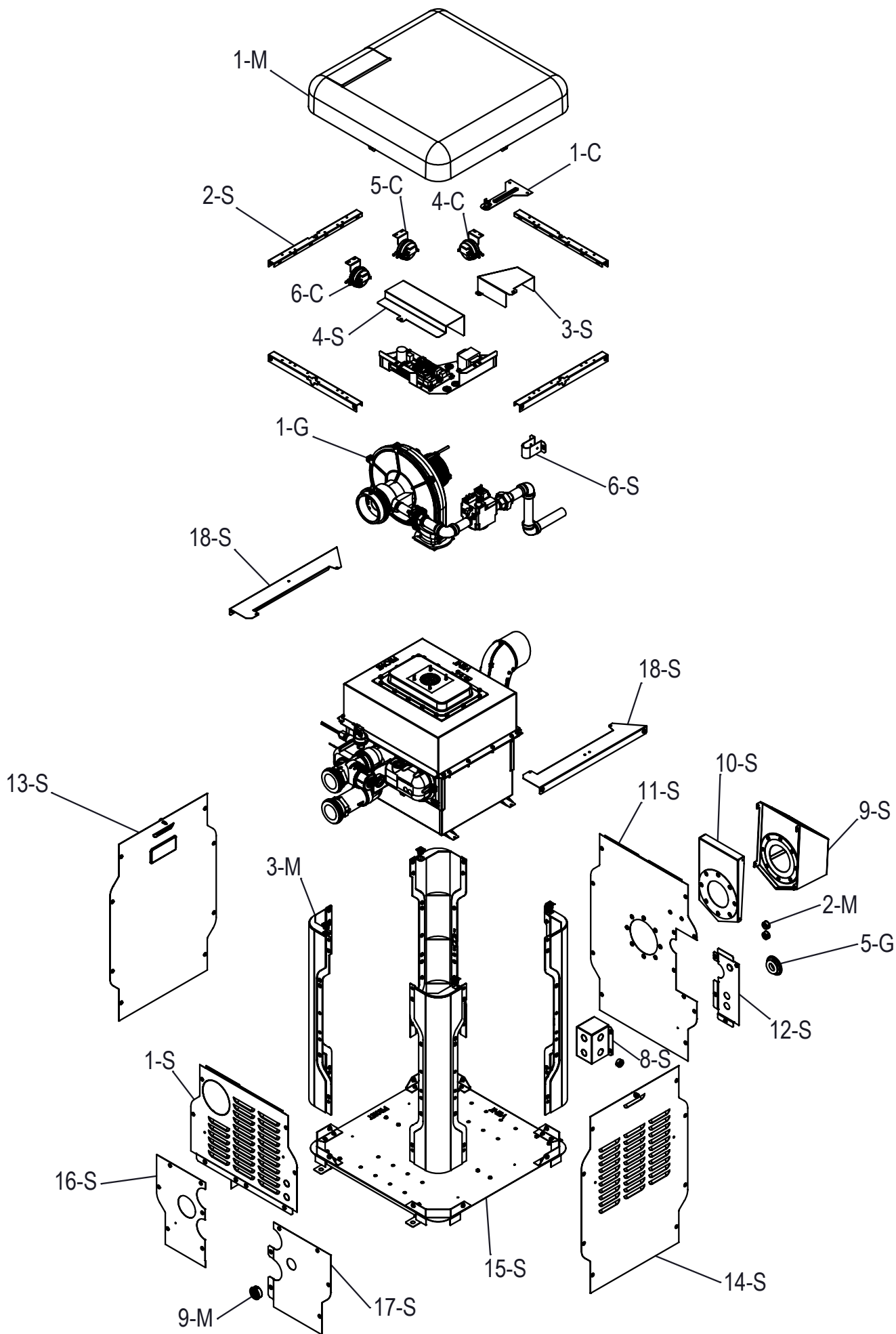


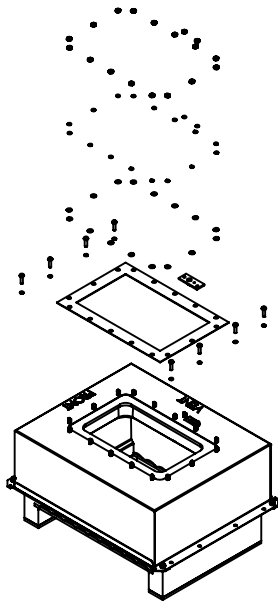
Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Unit Weight lbs.	Shipping Weight lbs.
NiTek Heat Exchanger						
P-R264A-EN-N	018044	264 (77.4)	Natural	0-10000	135	155
P-R404A-EN-N	018045	399 (116.9)	Natural	0-10000	135	155
P-R264A-EP-N	018050	264 (77.4)	Propane	0-4500	135	155
P-R404A-EP-N	018051	399 (116.9)	Propane	0-4500	135	155

NATURAL GAS 4501 AND ABOVE, NO HARDWARE CHANGE REQUIRED. FIELD ADJUSTMENT BY A CERTIFIED TECHNICIAN.

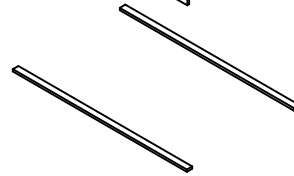
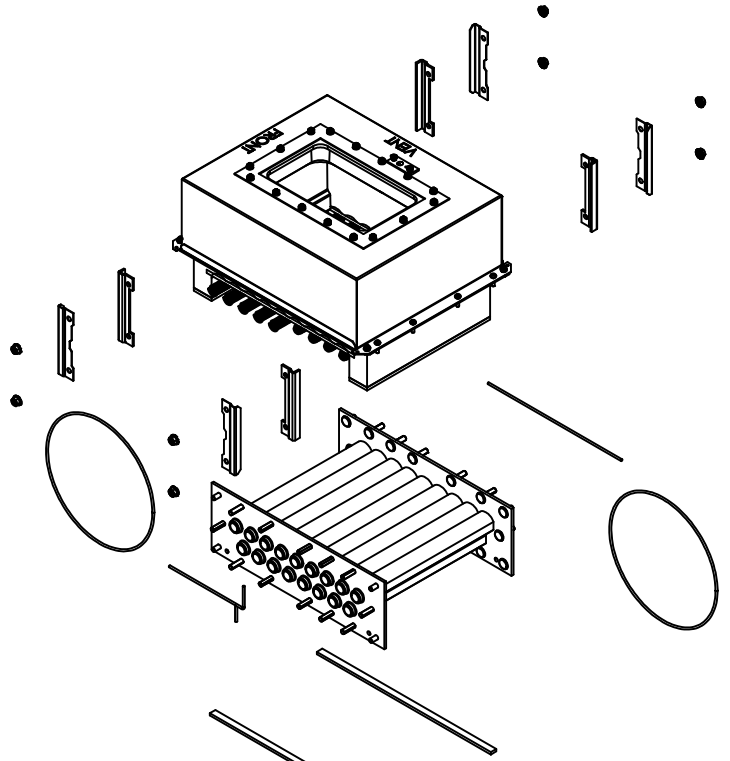
High Elevation Kit	Gas	Elevation (ft.)	Part No.
264A	Propane	4501-10,000	018762F
404A	Propane	4501-10,000	018762F

INDOOR APPLICATIONS, 4" STAINLESS STEEL APPLIANCE ADAPTER IS REQUIRED FOR FLUE VENTING 018932F

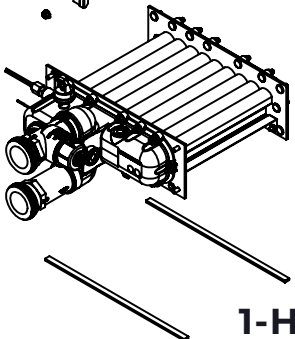
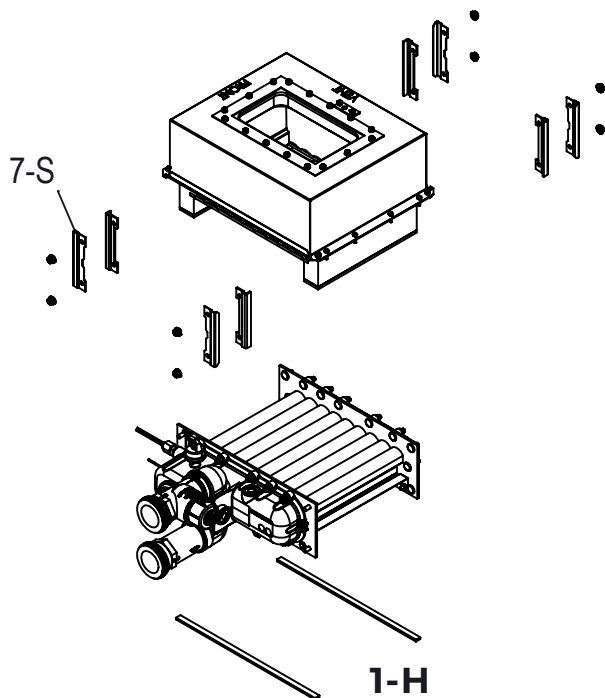




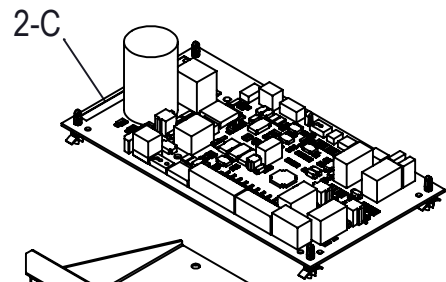
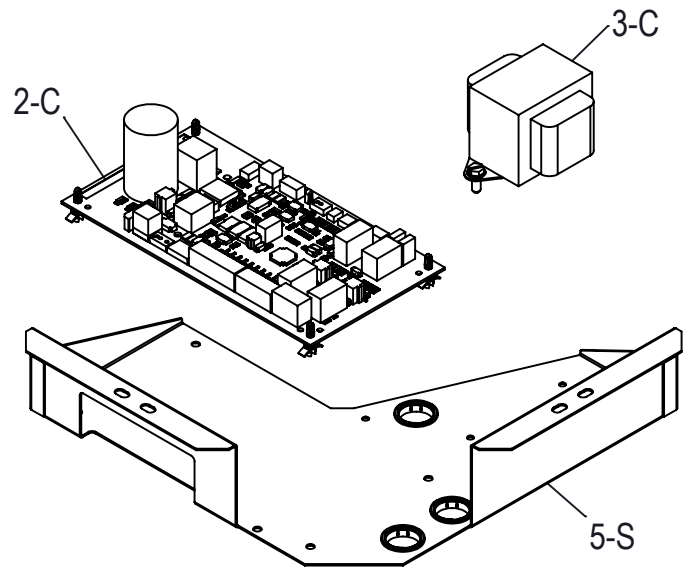
1-R



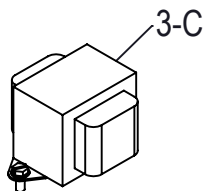
2-H



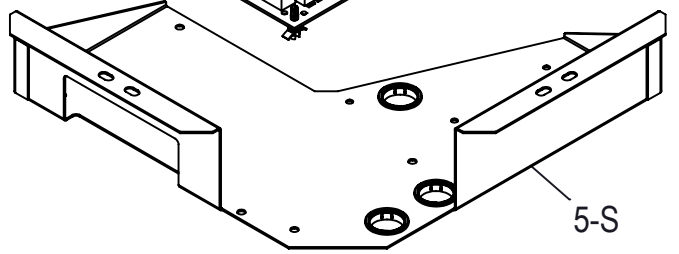
1-H



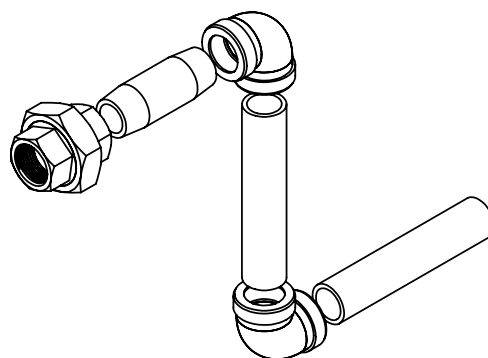
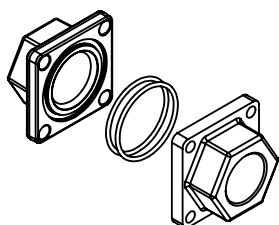
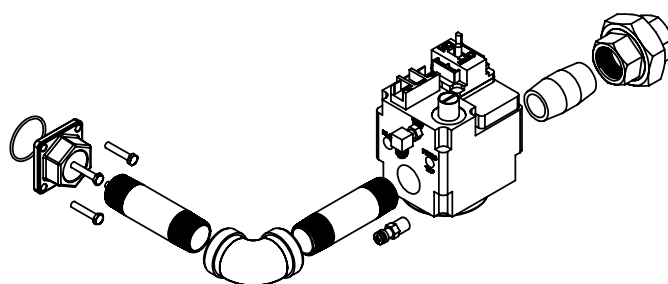
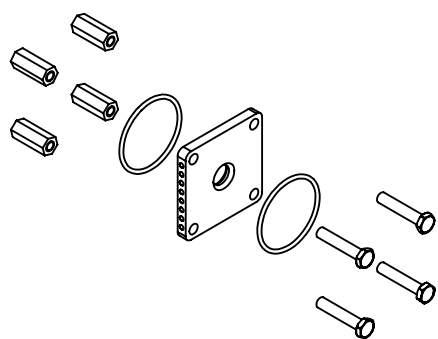
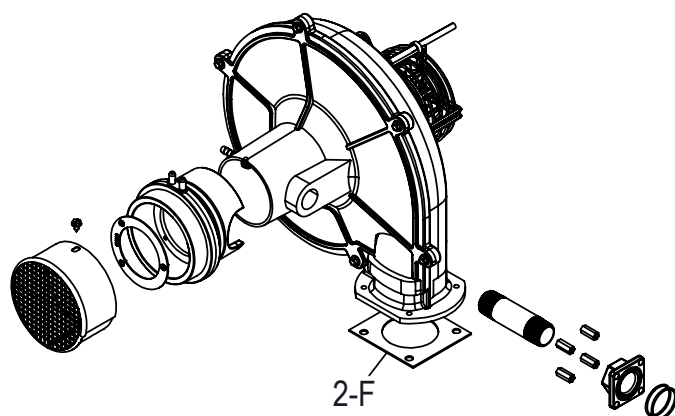
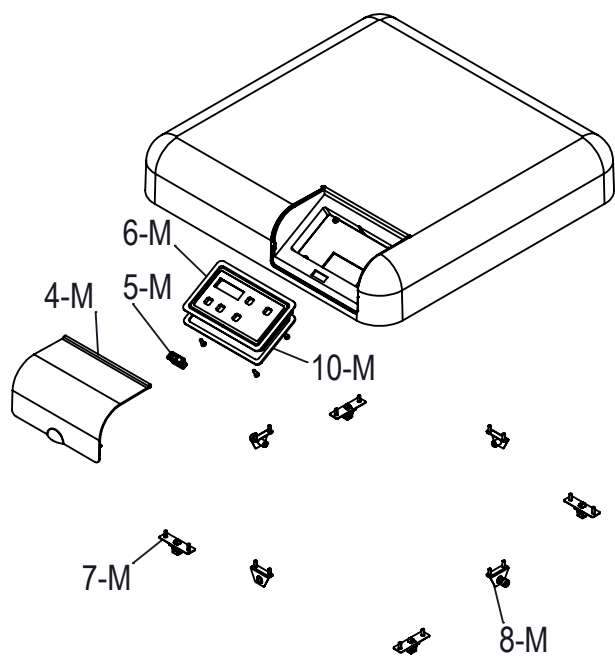
2-C

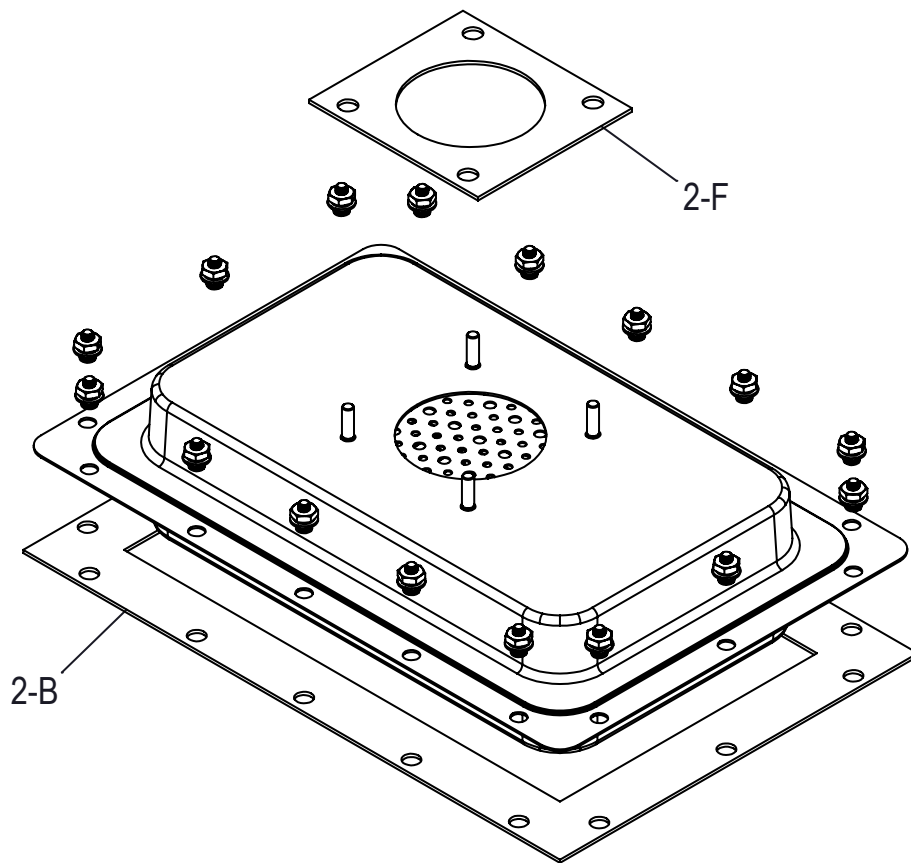


3-C

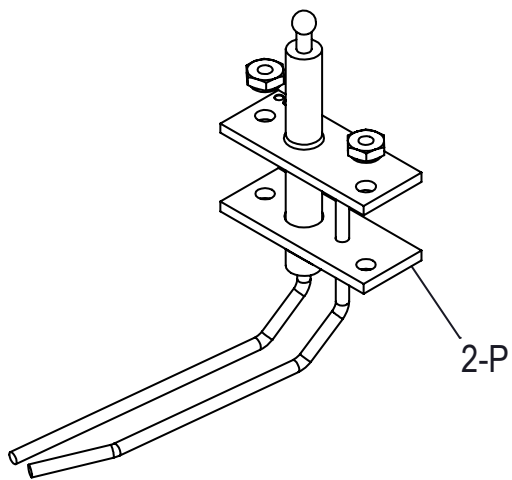


5-S





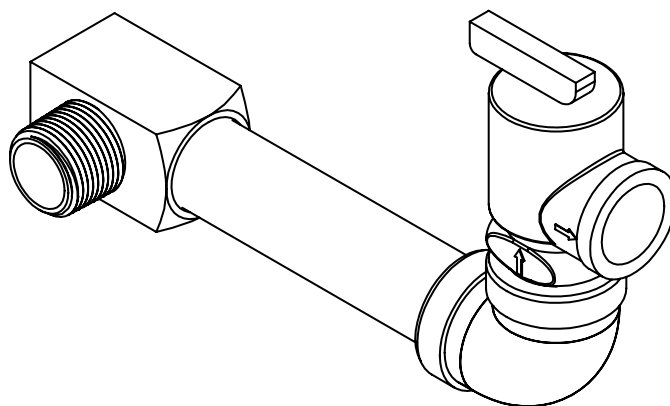
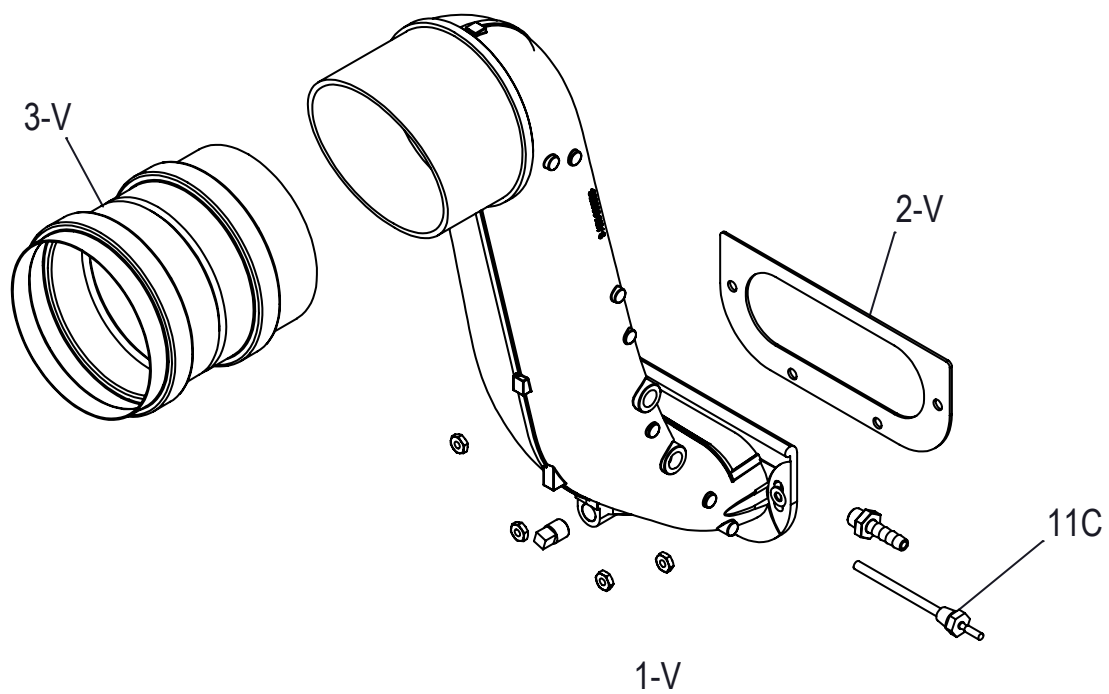
1-B



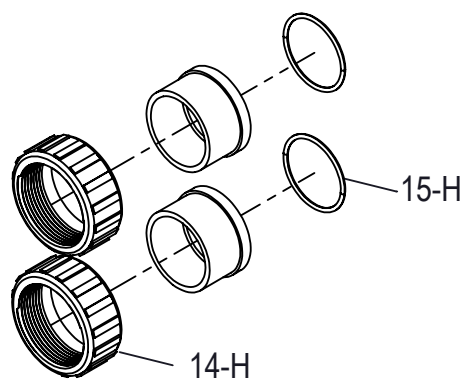
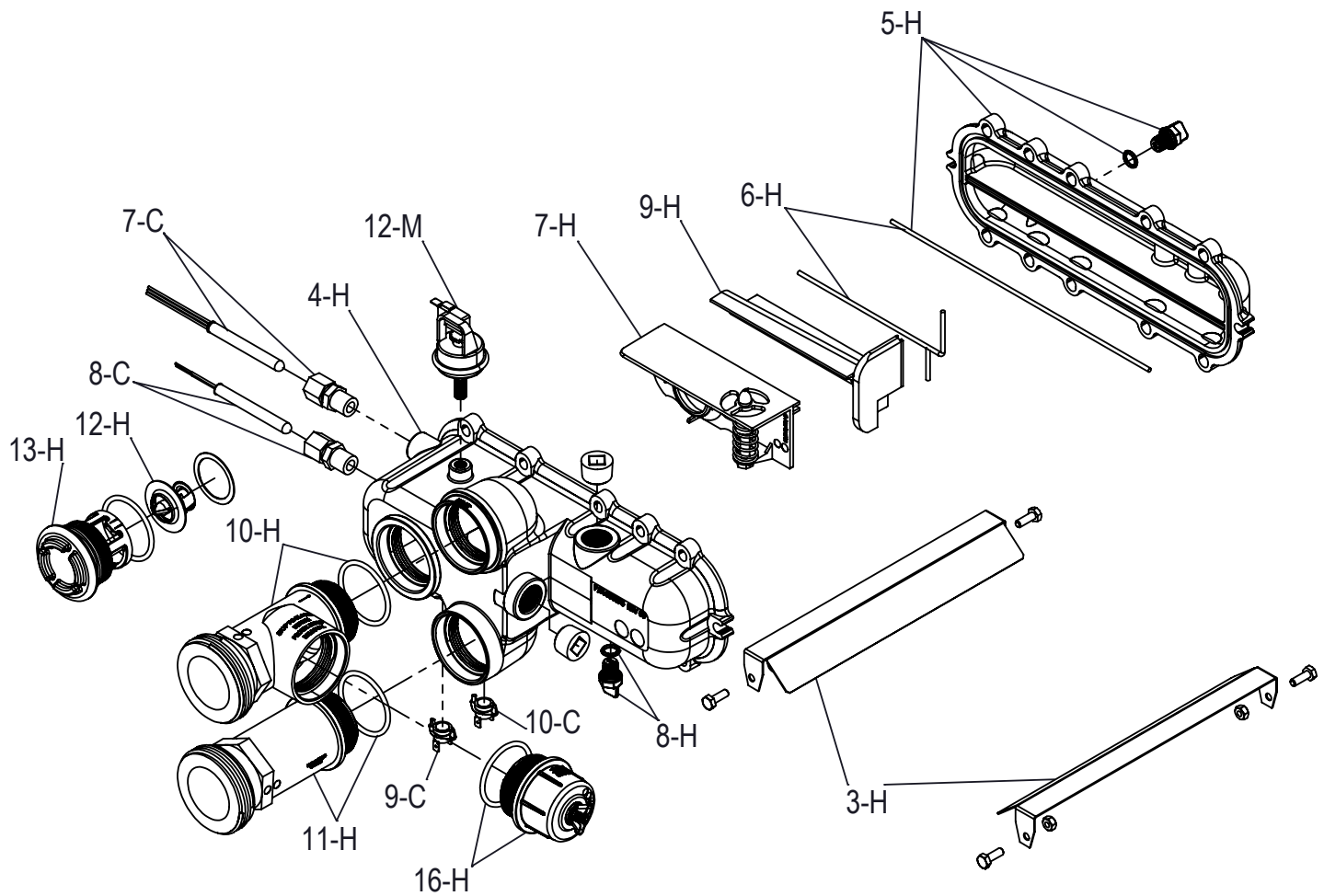
1-P



3-P



11-M (OPTIONAL)



CALL OUT	DESCRIPTION	264A	404A
B	BURNER		
1-B	Kit-Burner	018873F	018873F
2-B	Kit-Burner Gasket	018878F	018878F
C	CONTROLS		
1-C	Kit-Temp Sensor Limit	018853F	018853F
2-C	Kit-Ignition Board	018857F	018933F
3-C	Kit-Transformer 120/240/24V	018858F	018858F
4-C	Kit-Pressure Vent	018928F	018928F
5-C	Kit-Pressure Air	018929F	018929F
6-C	Kit-Pressure Differential	018930F	018931F
7-C	Kit-Temperature Inlet Sensor	009577F	009577F
8-C	Kit-Temperature Outlet Sensor	019043F	019043F
9-C	Kit-High Limit 2-HL2-Surface Mount	019044F	019044F
10-C	Kit-High Limit 1-HL1-Surface Mount	019045F	019045F
11-C	Kit-Temperature Vent Sensor	019046F	019046F
12-C	Kit-Igniter High tension wire 28IN (Not shown)	014126F	014126F
13-C	Kit-Harness Blower 120V (Not shown)	014118F	014118F
14-C	Kit-Harness Blower 240V (Not shown)	014119F	014119F
15-C	Kit-Harness Remote 3-wire (Not shown)	080349F	080349F
16-C	Kit-Harness Auxiliary output (Not shown)	080350F	080350F
17-C	Kit-Harness Display Board (Not shown)	100-10004826	100-10004826
18-C	Kit-Harness Cabinet (Not shown)	100-10004827	100-10004827
F	FAN		
1-F	Kit-Blower Comb Air	100-10004897	100-10004898
2-F	Kit-Blower Gasket	018898F	018898F
G	GAS VALVE		
1-G	Blower/Gas Train Assy		
	Kit-Blower/Gas Train Natural (0-4500 Ft)	018861F	018862F
	Kit-Blower/Gas Train Propane (0-4500 Ft)	018863F	018864F
2-G	Gas Orifice		
	Kit-Gas Orifice Natural (0-10,000 Ft)	018866F	018867F
	Kit-Gas Orifice Propane (0-4999 Ft)	018868F	018869F
3-G	Kit-Gas Valve w/ Gas Line Half	100-10004768	100-10004768
4-G	Kit-Gas Line End	018871F	018871F
5-G	Kit-Gas Line Grommet	010778F	010778F
6-G	Kit-Adapter Gas Orifice	018926F	018926F

CALL OUT	DESCRIPTION	264A	404A
H	HEAT EXCHANGER		
1-H	Kit-Heat Exchanger (Includes Refractory)	018900F	018901F
	Kit-Heat Exchanger Plastic Nickel Coated	019383F	019384F
2-H	Kit-Tube Bundle (Includes Refractory)*	018849F	018850F
	Kit-Tube Bundle Nickel Coated	019387F	019388F
3-H	Kit-Heat Exchanger Baffle	019047F	019048F
4-H	Kit-Inlet/Outlet Header Complete	019049F	019049F
	Kit-Inlet /Outlet Header	019050F	019050F
5-H	Kit-Return Header	019051F	019051F
6-H	Kit-Header Gasket (2)	019052F	019052F
7-H	Kit-Bypass Assy	019054F	019056F
9-H	Kit-Inlet/Outlet Header Dam	019059F	019059F
10-H	Kit-Inlet Header Adapter	019060F	019060F
11-H	Kit-Outlet Header Adapter	019061F	019061F
12-H	Kit-Unitherm Governor	019062F	019062F
13-H	Kit-Unitherm Governor Plug Polymer	006720F	006720F
14-H	Kit-2" CPVC Connector & Nut (2)	006723F	006723F
15-H	Kit-O Ring Inlet/Outlet Pool (2)	006724F	006724F
16-H	Kit-ProTek Shield Assy	017960F	017960F
M	MISCELLANEOUS COMPONENTS	264A	404A
1-M	Kit-Top Cover Assy	018852F	018852F
4-M	Kit-Top Lid	018902F	018902F
5-M	Kit-Rocker Switch SPST	009493F	009493F
6-M	Kit-Display Assembly	018904F	018904F
7-M	Kit-Top Clip Assy	018905F	018905F
8-M	Kit-Top Knurled Screw Assy	018906F	018906F
10-M	Kit-Display Gasket	018921F	018921F
2-M	Kit-Power Cable Grommet	018884F	018884F
3-M	Kit-Corner Post	018891F	018891F
9-M	Kit-PRV Grommet	018920F	018920F
11-M	Kit-PRV Line	018936F	018936F
12-M	Kit-Pressure Switch 1.75 PSI	006737F	006737F
22-M	Kit-Pressure Switch 11 PSI Special-See Water Pressure Switch Adj. (Not Shown)	009133F	009133F
13-M	Kit-Wire Bonding 14/6 Connector	007155F	007155F
14-M	Kit-Tube Air Sample (Blower/Vent/Air Pressure Switch)	010348F	010348F

CALL OUT	DESCRIPTION	264A	404A
15-M ²	Kit-Wire/Harness (Not Shown) ²	019064F	019064F
16-M	Touch-up Paint (Not Shown)		
	Cool Dark Gray	750256	750256
	Warm Dark Gray	750258	750258
	Maroon	750265	750265
17-M	Kit-Deliming (Not Shown)	052871F	052871F
18-M	RTV Sealant 2.8 oz (Not Shown)	008924F	008924F
19-M	RTV Sealant 10 oz (Not Shown)	005755F	005755F
20-M	Kit-Elevation Propane (Not Shown)	018762F	018762F
21-M	Kit Flow meter 2-in with PVC fittings (Not Shown)	100-10001058	100-10001058
22-M	Kit RS-485 harness adapter for The Attendant and Aquastar VS Pump (Not Shown)	100-10004059	100-10004059
23-M	Kit 24V AC 30-amps DPST relay (Not Shown)	100-10001060	100-10001060
24-M ³	Kit Accessories bag (Not Shown) ³	100-10004824	100-10004824
P	PILOT		
1-P	Kit-Igniter Direct Spark	018874F	018874F
2-P	Kit-Igniter Gasket	018879F	018879F
3-P	Kit-Hi Tension Wire	018875F	018875F
R	REFRACTORY		
1-R	Kit-Refractory Assy	018848F	018848F
S	SHEET METAL / CABINET		
1-S	Kit-Top Right Panel Assy		
	Raypak/Rheem/Ruud (Cool Dark Gray)	018851F	018851F
	Jacuzzi (Beige)	018973F	018973F
2-S	Kit-Cabinet Top Support	018854F	018854F
3-S	Kit-Transformer Cover	018855F	018855F
4-S	Kit-Ignition Board Cover	018856F	018856F
5-S	Kit-Ignition Board Mounting	018859F	018859F
6-S	Kit-Anti Rotation Gas Valve Bracket	018860F	018860F
7-S	Kit-Comb Chamber Seal	018872F	018872F
8-S	Kit-Junction Box	018876F	018876F
9-S	Kit-Vent Cover Assy	018881F	018881F
10-S	Kit-Vent Mounting Panel		
	Raypak/Rheem/Ruud (Cool Dark Gray)	018882F	018882F
	Jacuzzi (Beige)	018977F	018977F
11-S	Kit-Panel Left Side Vent		
	Raypak/Rheem/Ruud (Cool Dark Gray)	018883F	018883F
	Jacuzzi (Beige)	018976F	018976F