### **Tankless Temperature Upgrade**



### Ruud tankless temperature upgrade kit provides high temperature solutions for commercial and hydronic applications

#### **Benefits**

- With the upgrade, tankless units can operate at temperatures over 140° F up to 185° F
- For indoor and outdoor units
- Multi-unit capacity

#### Warranty

- 5-Year commercial warranty\*
- 10 Year warranty with hydronic air handler\*

<sup>\*</sup>See Warranty Certificate for complete information



#### **RUTGH-95 Upgrades**

RTG20240A for RUTGH-95DVLN RTG20240B for RUTGH-95DVLP RTG20240C for RUTGH-95XLN RTG20240D for RUTGH-95XLP

#### **RUTGH-84 Upgrades**

RTG20241A for RUTGH-84DVLN RTG20241B for RUTGH-84DVLP RTG20241C for RUTGH-84XLN RTG20241D for RUTGH-84XLP

#### **RUTG-95 Upgrades**

RTG20236A for RUTG-95DVLN RTG20236B for RUTG-95DVLP RTG20236C for RUTG-95XLN RTG20236D for RUTG-95XLP

#### **RUTG-84 Upgrades**

RTG20237A for RUTG-84DVLN RTG20237B for RUTG-84DVLP RTG20237C for RUTG-84XLN RTG20237D for RUTG-84XLP





#### **All Ruud Tankless Water Heaters Feature:**

- AHRI Listed
- 12 Year Residential Limited Heat Exchanger Warranty\*
- 10 Year Residential Limited Heat Exchanger Warranty\* with Hydronic Air Handler
- 5-Year Commercial Limited Heat Exchanger Warranty\*
- 5-Year Limited Parts Warranty\*
- 1-Year Limited Labor Warranty\*
- Digital Remote Control Included
- 10 ft. of Thermostat Wire Included
- Easy Access Remote Terminal Block
- High Altitude Capable up to 9,480 ft.
- EZ-Link™ Capable two like units operate as one
- Multi-Unit Manifold Capable up to 20 like units
- Self Diagnostic Electronic Control System
- Easy to Service System and Burner
- Freeze Protection to -30° F

#### **Indoor Models Feature:**

- Direct Vent System
  - Concentric Stainless Steel for Mid-Efficiency
  - Two-Pipe PVC for Condensing
- Condensate Trap or Collector
- Power Cord included

#### **Outdoor Models Feature:**

- No Venting System Needed
- Outdoor Recess Enclosures Available
- Hardwire Electrical Connection



RUTGH-95 and 84 Indoor Direct Vent and Outdoor models



RUTG-95 and 84 Indoor Direct Vent and Outdoor models

DESC	RIPTION		FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES) ENERGY INFO.								NFO.	
MODEL NUMBER	GAS INPUT BTU/H	TYPE	TEMP. RANGE*	MIN. FLOW/ ACTIVATION GPM	GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	MAX. GPM	CONNEC	CTION	HEIGHT	WIDTH	DEPTH	VENT DIAM.	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	% OF RECOVERY EFFICIENCY	D.O.E. ANN. OP. COST NAT/LP
RUTGH-95 ULTRA LOW NOx CONDENSING SERIES FOR 3 BATHROOM HOMES																	
RUTGH-95DVLN	11,000- 199,900	Indoor Direct Vent	85° to 185° F	0.26/0.40	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	2" or 3" PVC 2-Pipe	82	.94	94%	\$174/421
RUTGH-95XLN	11,000- 199,900	Outdoor	85° to 185° F	0.26/0.40	4.9	8.4	9.5	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.94	94%	\$174/421
RUTGH-84 ULTRA LOW NOX CONDENSING SERIES FOR 2-3 BATHROOM HOMES																	
RUTGH-84DVLN	11,000- 157,000	Indoor Direct Vent	85° to 185° F	0.26/0.40	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	2" or 3" PVC 2-Pipe	82	.92	92%	\$178/430
RUTGH-84XLN	11,000- 157,000	Outdoor	85° to 185° F	0.26/0.40	3.9	6.6	8.4	3/4	3/4	27-1/2	18-1/2	9-3/4	N/A	82	.92	92%	\$178/430
RUTG-95 ULTRA	RUTG-95 ULTRA LOW NOx SERIES FOR 3 BATHROOM HOMES																
RUTG-95DVLN	11,000- 199,900	Indoor Direct Vent	85° to 185° F	0.26/0.40	4.3	7.4	9.5	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 CONCENTRIC	54	.82	84%	\$199/482
RUTG-95XLN	11,000- 199,900	Outdoor	85° to 185° F	0.26/0.40	4.3	7.4	9.5	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%	\$199/482
RUTG-84 ULTRA LOW NOX SERIES FOR 2-3 BATHROOM HOMES																	
RUTG-84DVLN	11,000- 180,000	Indoor Direct Vent	85° to 185° F	0.26/0.40	3.9	6.7	8.4	3/4	3/4	25-5/8	13-7/8	9-7/8	3 by 5 CONCENTRIC	54	.82	84%	\$199/482
RUTG-84XLN	11,000- 180,000	Outdoor	85° to 185° F	0.26/0.40	3.9	6.7	8.4	3/4	3/4	23-5/8	13-7/8	8-7/8	N/A	54	.82	83%	\$199/482

Energy Factor and Average Annual Operating Costs based on 2013 D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas \$1.09/therm; LP \$2.41/gallon.

All models are available in Natural Gas and Propane (LP). For Propane replace the N with P when ordering.

All models are SCAQMD 1146.2 compliant.

\*Maximum temperature can be set up to 185° F with the temperature upgrade kit.

- Factory set maximum temperature is 120° F. See Use and Care Manual for setting.
- Consult factory for information on sizing the application.

Vent Termination Kits are available for Direct Vent models. Contact your distributor for details.

Proper gas pressure must be ensured to supply tankless gas water heaters – up to 199,900 Btu/h for RUTGH-95 models, up to 157,000 Btu/h for RUTGH-84 models, up to 199,900 Btu/h for RUTG-95 models, and up to 180,000 Btu/h for RUTG-84 models. (Consult your gas supplier)

<sup>\*</sup> See Warranty Certificate for complete information.

# Tankless EZ-Link Connects Two Tankless Water Heaters Together in a Manifold\*

- Allows two heaters to communicate together and operate as a single unit
- Perfect for when one tankless is just not enough
- RTG20040 6 foot long cable with connectors and wire support clamps

## Need Even More Capacity? Manifold Up to 20 Units!

- Systems from 180,000 Btu/h to 3,998,000 Btu/h
- Flow rates from .26 GPM to 190 GPM
- Multi-unit redundancy
- Direct recirculation capable no tank needed
- Standard tankless units, commercially upgradable reduce inventory and stock requirements
- MIC-6 Manifold Controller for up to 6 units
- MIC-185 with MICS-180 Manifold Control System for up to 20 units





#### **Tankless Multi-Unit Flow Rates**

Manifold	Total System BTU	Total System Gallons Per Minute $$ (GPM) - Per Temperature Rise $$ ( $\Delta T$ )												
QTY	based on 199,900 Btu per Unit	35	45	50	60	70	77	80	90	100	110	120	140	
1	199,900	9.5	8.4	7.5	6.3	5.4	4.9	4.7	4.2	3.8	3.4	3.1	2.7	
2	399,800	19.0	16.7	15.0	12.5	10.7	9.8	9.4	8.4	7.5	6.8	6.3	5.4	
3	599,700	28.5	25.1	22.5	18.8	16.1	14.6	14.1	12.5	11.3	10.2	9.4	8.1	
4	799,600	38.0	33.4	30.1	25.1	21.5	19.5	18.8	16.7	15.0	13.7	12.5	10.7	
5	999,500	47.5	41.8	37.6	31.3	26.8	24.4	23.5	20.9	18.8	17.1	15.7	13.4	
6	1,199,400	57.0	50.1	45.1	37.6	32.2	29.3	28.2	25.1	22.5	20.5	18.8	16.1	
7	1,399,300	66.5	58.5	52.6	43.8	37.6	34.2	32.9	29.2	26.3	23.9	21.9	18.8	
8	1,599,200	76.0	66.8	60.1	50.1	42.9	39.0	37.6	33.4	30.1	27.3	25.1	21.5	
9	1,799,100	85.5	75.2	67.6	56.4	48.3	43.9	42.3	37.6	33.8	30.7	28.2	24.2	
10	1,999,000	95.0	83.5	75.2	62.6	53.7	48.8	47.0	41.8	37.6	34.2	31.3	26.8	
11	2,198,900	104.5	91.9	82.7	68.9	59.1	53.7	51.7	45.9	41.3	37.6	34.4	29.5	
12	2,398,800	114.0	100.2	90.2	75.2	64.4	58.6	56.4	50.1	45.1	41.0	37.6	32.2	
13	2,598,700	123.5	108.6	97.7	81.4	69.8	63.4	61.1	54.3	48.9	44.4	40.7	34.9	
14	2,798,600	133.0	116.9	105.2	87.7	75.2	68.3	65.8	58.5	52.6	47.8	43.8	37.6	
15	2,998,500	142.5	125.3	112.7	94.0	80.5	73.2	70.5	62.6	56.4	51.2	47.0	40.3	
16	3,198,400	152.0	133.6	120.3	100.2	85.9	78.1	75.2	66.8	60.1	54.7	50.1	42.9	
17	3,398,300	161.5	142.0	127.8	106.5	91.3	83.0	79.9	71.0	63.9	58.1	53.2	45.6	
18	3,598,200	171.0	150.3	135.3	112.7	96.6	87.9	84.6	75.2	67.6	61.5	56.4	48.3	
19	3,798,100	180.5	158.7	142.8	119.0	102.0	92.7	89.3	79.3	71.4	64.9	59.5	51.0	
20	3,998,000	190.0	167.0	150.3	125.3	107.4	97.6	94.0	83.5	75.2	68.3	62.6	53.7	



<sup>\*</sup>Only two units may be connected together with the EZ-Link cable





Ruud provides a full line of commercial product solutions for any application.



# The quick, easy and accurate way to size tankless water heaters

With only a few clicks you will know exactly what is required for a project and have a professional looking report to share with clients.

In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.