

# Feature Sheet

## Commercial Tankless Water Heaters | Common Venting



The new degree of comfort.®

# COMMON VENTING SOLUTIONS

Up to ten Rheem® Commercial Condensing Tankless Water Heaters can be in-line or back-to-back common vented using Rheem polypropylene (PPs) header kits and extension pieces.

**Common venting saves space and materials while reducing outer wall penetrations.**

Polypropylene is lightweight, assembles quickly, and doesn't require glues or solvents to connect. It also meets UL-1738 and ULC-S636 certifications.

### Easy to Install

- Gasketed, push-fit connection system installs quickly/easily – No glues, primers or solvents required
- Directional gasket and flow arrows ensure proper vent layout
- Connector ring installs where needed, in seconds ensuring UL-1738 & ULC-S636 compliance
- Venting parts can be field cut to length to meet any venting requirement

	Centrotherm PPs	PVC	CPVC
<b>Chemical Resistance</b>			
Aromatic Hydrocarbons	✓	X	X
Sulfuric Acid	✓	X	X
Hydrochloric Acid	✓	X	X
<b>UL Listed (0°F to 230°F)</b>	Listed	Not Listed	Not Listed
<b>Actual Working Temperature</b>	32°F (0°C) 248°F (120°C)	50°F (15°C) 149°F (65°C)	50°F (15°C) 194°F (90°C)
<b>Softening Temperatures</b>	302°F (150°C)	176°F (80°C)	200°F (93°C)
<b>Environmentally Friendly Production</b>	✓	X	X
<b>No Chloride Leaching</b>	✓	X	X
<b>Fully Recyclable</b>	✓	X	X

*Note: Temperature values in table represent exhaust flue temperatures. For approximate max. water set point temperatures, subtract 20 degrees F.*

PPS IS  
**28%**  
THE WEIGHT OF PVC  
THAT'S  
**77.8 LB**  
LIGHTER  
FOR 20FT OF  
8" TRUNK LINE!



### Tested and Approved by Rheem

- Tested and Listed by Intertek to UL-1738 & ULC-S636 for temperatures of -4°F to 230°F
- Zero clearance to combustibles in all applications
- All products are UV rated
- LEED friendly
- 100% Recyclable



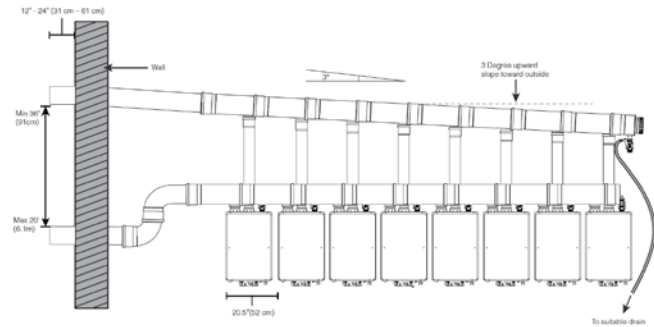
Diameter	% of Centrotherm PPs weight vs. PVC	Weight Per Foot (lbs.)		
		Centrotherm PPs	PVC Sch. 40	CPVC Sch. 80
3"	23%	0.32	1.41	2.09
4"	33%	0.66	2.01	3.05
6"	40%	1.42	3.53	5.82
8"	28%	1.50	5.39	8.83
10"	27%	2.00	7.55	13.09



# Rheem® Commercial Tankless Common Venting

Header kits include all required venting pieces to connect multiple units. Additional vent run accessories are required to complete installation. Common venting header kits are available for inline or back to back installations, direct vent or room air intake options, using 6", 8" and 10" trunk diameters.

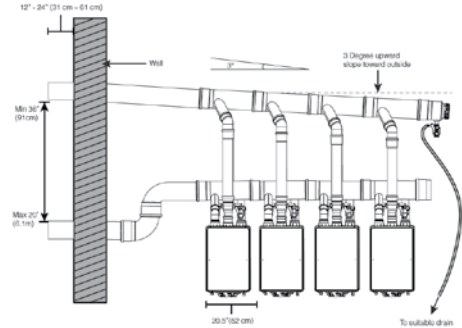
## INLINE HEADER KITS



Trunk Diameter	Number of units	Direct Vent Part No.	Room Air Part No.
6"	2	SP20906A	SP20907A
	3	SP20906B	SP20907B
	4	SP20906C	SP20907C
8"	2	SP20908A	SP20909A
	3	SP20908B	SP20909B
	4	SP20908C	SP20909C
	5	SP20908D	SP20909D
	6	SP20908E	SP20909E
	7	SP20908F	SP20909F
	8	SP20908G	SP20909G
10"	2	SP20910A	SP20911A
	3	SP20910B	SP20911B
	4	SP20910C	SP20911C
	5	SP20910D	SP20911D
	6	SP20910E	SP20911E
	7	SP20910F	SP20911F
	8	SP20910G	SP20911G
	9	SP20910H	SP20911H
	10	SP20910J	SP20911J

## BACK TO BACK HEADER KITS

Back to Back venting requires additional gas chip, sold separately. Consult Rheem Applications Engineer before purchase.



Trunk Diameter	Number of units	Direct Vent Part No.	Room Air Part No.
6"	2	SP20912A	SP20913A
	3	SP20912B	SP20913B
	4	SP20912C	SP20913C
8"	2	SP20914A	SP20915A
	3	SP20914B	SP20915B
	4	SP20914C	SP20915C
	5	SP20914D	SP20915D
	6	SP20914E	SP20915E
	7	SP20914F	SP20915F
	8	SP20914G	SP20915G
10"	2	SP20916A	SP20917A
	3	SP20916B	SP20917B
	4	SP20916C	SP20917C
	5	SP20916D	SP20917D
	6	SP20916E	SP20917E
	7	SP20916F	SP20917F
	8	SP20916G	SP20917G

NOTE: Diagrams illustrate direct vent and horizontal exhaust. Room air intake and vertical exhaust configuration also available, but not pictured.

## VENT RUN ACCESSORIES

Image No.	Part Description	6"	8"	10"
1	Air Intake Branch Tee	SP20918AD	SP20918L	SP20918AE
2	87 Degree Elbow	SP20918BE	SP20918M	SP20918BM
3	45 Degree Elbow	SP20918BF	SP20918N	SP20918BN
4	Straight Pipe, 1'	SP20918BG	SP20918P	SP20918BP
5	Straight Pipe, 2'	SP20918BH	SP20918R	SP20918BR
6	Straight Pipe, 3'	SP20918BJ	SP20918S	SP20918BS
7	Straight Pipe, 6'	SP20918BK	SP20918T	SP20918BT
8	90 Degree Elbow Vertical Support	SP20918BL	SP20918U	SP20918BU
9	Bird Screen SS	SP20918AY	SP20918V	SP20918AZ
10	Tee Termination	SP20918BA	SP20918W	SP20918BB
11	Support Clamp	SP20918AW	SP20918AA	SP20918AX
12	Centrocerin Lubricant	SP20918H	SP20918H	SP20918H



Note: If heaters are common vented, you can still manifold up to 20 units in a bank, however, you must limit the venting cascade to 10 units.

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

Rheem Water Heating • 1115 Northmeadow Parkway, Suite 100  
Roswell, Georgia 30076 • Rheem.com



INTEGRATED HOME COMFORT

Rheem.com

PRINTED IN U.S.A. 02/18 WP FORM NO. TK-VENT Rev. 1