



Revision: VCS-VCT-VPS-VPT-RPL (07-25) REV-A
Supersedes: VCS-VCT-VPS-VPT-RPL (12-24) REV-0

REPLACEMENT PARTS FOR GAS-FIRED RADIANT HEATERS

MODELS VCS, VCT, VPS, AND VPT



TABLE OF CONTENTS

SERIAL NUMBER..... 2
MODEL APPLICATION..... 2
STANDARD ASSEMBLIES..... 3
REPLACEMENT PARTS 4
ACCESSORIES/OPTIONS 6

IMPORTANT

- Always include complete model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.
 - In keeping with our policy of continuous product improvement, we reserve the right to alter any information shown here.
 - Order by Part Number (PN) not by option designation.
- WE RESERVE THE RIGHT TO SUBSTITUTE FUNCTIONAL REPLACEMENTS.**

SERIAL NUMBER

NOTE: The serial number is located on the unit's rating plate.

Serial number format changed in June of 2015. Use the following information to decode system serial numbers:

Decoding a System Serial Number for ALL Models *Before* JUN 2015

Serial number sample: **BAA 66 H5 N 000000**
 Elements key number: **1 | 2 | 3 | 4 | 5**

Key:

- 1 = Date of manufacture (refer to [Table 1](#))
- 2 = Type of pilot system
- 3 = Type of gas valve
- 4 = Type of gas (N = natural, L = propane)
- 5 = Consecutive number (identification only)

Decoding a System Serial Number for ALL Models *After* MAY 2015

Serial number sample: **BOG 3062 00000**
 Elements key number: **1 | 2 | 3**

Key:

- 1 = Date code (refer to [Table 1](#))
- 2 = Plant of manufacture (3062 = Monterrey)
- 3 = Consecutive number

Table 1. Serial Number Date Codes (Month and Year)

Year	Month											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2013	BMA	BMB	BMC	BMD	BME	BMF	BMG	BMH	BMI	BMJ	BMK	BML
2014	BNA	BNB	BNC	BND	BNE	BNF	BNG	BNH	BNI	BNJ	BNK	BNL
2015	BOA	BOB	BOC	BOD	BOE	BOF	BOG	BOH	BOI	BOJ	BOK	BOL
2016	BPA	BPB	BPC	BPD	BPE	BPF	BPG	BPH	BPI	BPJ	BPK	BPL
2017	BQA	BQB	BQC	BQD	BQE	BQF	BQG	BQH	BQI	BQJ	BQK	BQL
2018	BRA	BRB	BRC	BRD	BRE	BRF	BRG	BRH	BRI	BRJ	BRK	BRL
2019	BSA	BSB	BSC	BSD	BSE	BSF	BSG	BSH	BSI	BSJ	BSK	BSL
2020	BTB	BTB	BTC	BTB	BTE	BTF	BTG	BTB	BTI	BTJ	BTB	BTB
2021	BUA	BUB	BUC	BUD	BUE	BUF	BUG	BUH	BUI	BUJ	BUK	BUL
2022	BVA	BVB	BVC	BVD	BVE	BVF	BVG	BVH	BVI	BVJ	BVK	BVL
2023	BWA	BWB	BWC	BWD	BWE	BWF	BWG	BWH	BWI	BWJ	BWK	BWL
2024	BXA	BXB	BXC	BXD	BXE	BXF	BXG	BXH	BXI	BXJ	BXK	BXL

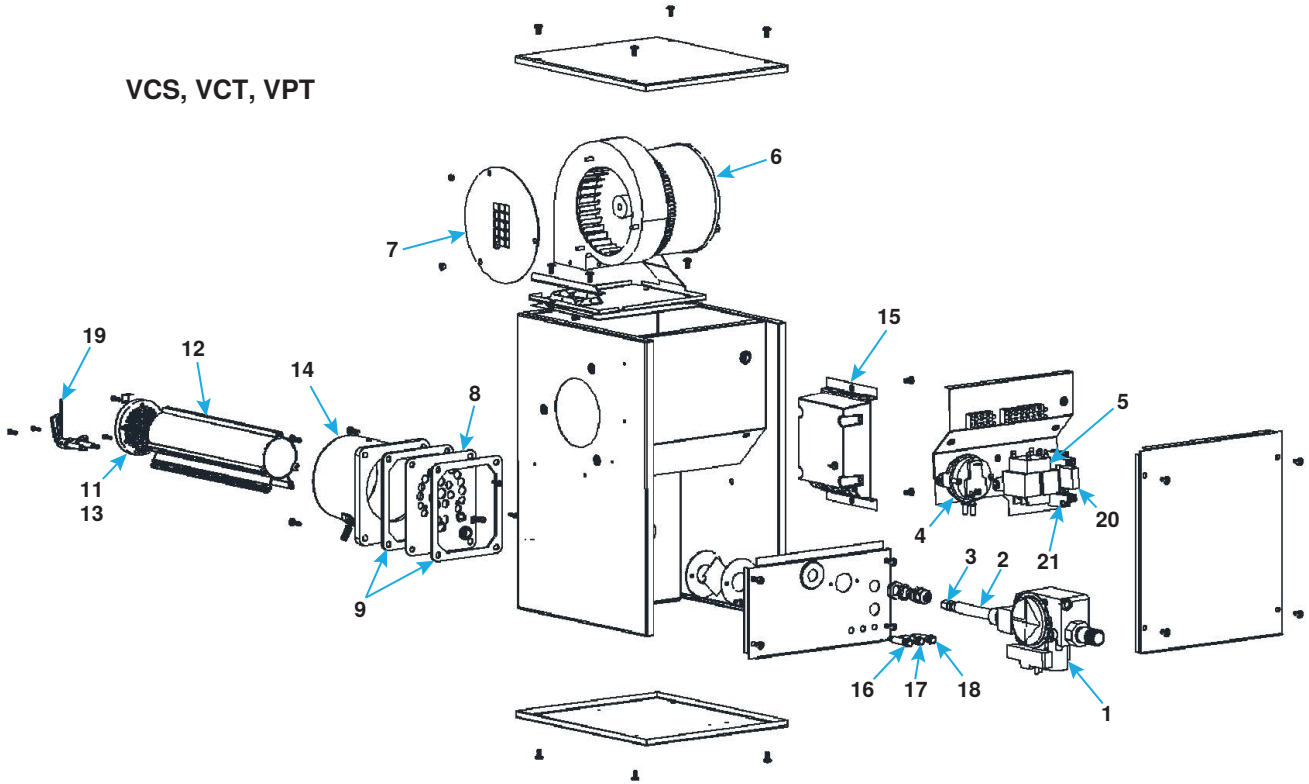
MODEL APPLICATION

Table 2. Model Application

Model	Application	Model	Application
VCS	Harsh environment, indoor/outdoor	VPS	Indoor commercial/industrial
VCT		VPT	

STANDARD ASSEMBLIES

VCS, VCT, VPT



VPS

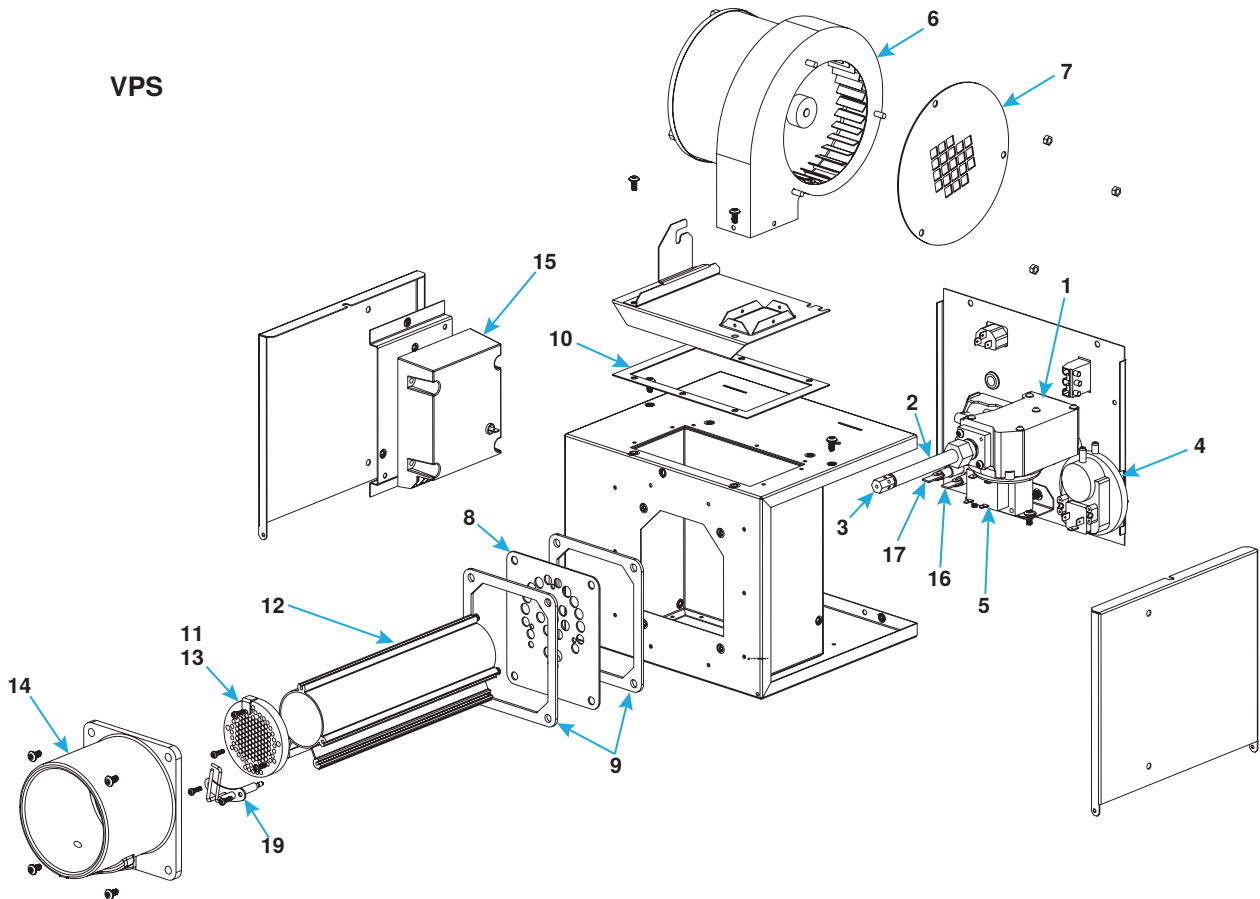


Figure 1. Standard Assemblies (Refer to [Table 3](#))

REPLACEMENT PARTS

Table 3. Replacement Parts											
Item No.*	Component	Description	Unit Size (MBTUh)							Model	
			60	80	100	125	150	170	200		
			PN								
1	Gas valve	Natural gas	270378							VCS, VPS	
			270373							VCT, VPT	
		Propane	270496							VCS, VPS	
			270498							VCT, VPT	
2	Jet carrier	Natural gas	270375					270376		All	
		Propane						270375	—		
3	Injector	Natural gas	270400	270402	270403	270405	270407	270409	270410		
		Propane	270398	270399		270400	270401	270403	—		
4	Pressure switch	Natural gas	270389						270390		
		Propane							—		
4A	Silicone tube assembly	Pressure switch	270539							VCS, VCT, VPT	
			270540							VPS	
			270541								
			270542								
5	Transformer		175265							VCS, VPS	
			194808							VCT, VPT	
6	Fan and motor assembly	Natural gas	270464					270467		VCS, VCT, VPT	
		Propane						270467	—		
		Natural gas	270476					270475		VPS	
		Propane						270475	—		
7	Fan orifice plate	Natural gas	269922	269925		269930	269931	266935	269938	All	
		Propane	269924	269925	269929	269931	269933	269937	—		
8	Burner orifice plate	Natural gas	269941	269942	269943	269944	1005513	269946			
		Propane	269948	269949	269950	269951	269952	269953	—		
9	Gasket	Burner assembly	270366							All	
10		Fan flange plate	270365							VPS	
11	Flame plate	Propane	269957	269958		269959		269960	—	All	
12	Tube	Burner	270424							All	
13	Head		270425								
14	Support casting			270565							VCS, VCT, VPT
				270487							VPS
14A	Setscrew	Burner support casting	270456							VCS, VCT, VPT	
			270421							VPS	
15	Controller	Ignition	204955							All	
16	LED	POWER ON, red	270466							VCS, VCT	
			270474							VPS, VPT	
BURNER ON, yellow		270465							VCS, VCT		
BURNER ON, amber		270473							VPS		
18		LOW FIRE, amber								VPT	
		HIGH FIRE, yellow	270465							VCT	
		HIGH FIRE, amber	270473							VPT	

*Refer to [Figure 1](#).

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Table 3. Replacement Parts—Continued										
Item No.*	Component	Description	Unit Size (MBTUh)						Model	
			60	80	100	125	150	170		200
			PN							
19	Igniter	Assembly	270441						All	
20	Relay	24V	270472						VCT	
21	Socket	Relay	270463							
—	Suspension bracket	SST	270130						VCS, VCT	
		Zinc-plated STL	270126						VPS, VPT	
	Reflector bracket	SST	270570						VCS, VCT	
		Zinc-plated STL	270569						VPS, VPT	
—	Strap	Tube, SST	270571						VCS, VCT	
		Tube	270572						VPS, VPT	
	Tube coupler	4-inch, SST	270125						VCS, VCT	
		4-inch	205546						VPS, VPT	
	Burner insert	3-foot	1005500						All	
		5-foot	270489							
	Reflector	5-foot, SST	270114						VCS, VCT	
		10-foot, SST	270113							
		LH corner, SST	270115							
		RH corner, SST	270116							
		5-foot, AL-STL	270110						VPS, VPT	
		10-foot, AL-STL	270109							
		LH corner, AL-STL	270111							
		RH corner, AL-STL	270112							
	Emitter tube	5-foot, steel	270118						VPS, VPT	
		10-foot, steel	120003							
		5-foot, calcoat	270120						All	
		10-foot, calcoat	270117							
	U-bend	Emitter tube, SST	270123						VCS, VCT	
		Emitter tube, steel	270121						VPS, VPT	
	L-bend	Emitter tube, SST	270124						VCS, VCT	
		Emitter tube, steel	270122						VPS, VPT	
	Turbulator		116019						All	
	Power cord		270680							

*Refer to [Figure 1](#).

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ACCESSORIES/OPTIONS

Vent Cap (Options CC1 and CC21)



Figure 3. Vent Cap

Table 5. Vent Caps			
Option	Description	PN	Model
CC1	4-inch, STL	111848	VPS, VPT
CC21	4-inch, SST	270617	VCS, VCT*

*Option CC21, the stainless steel cap, may also be ordered as an option for model VPS or VPT.

Manual Shutoff Valve (Options CE1 and CE2)



Figure 2. Manual Shutoff Valve Assembly

Table 4. Shutoff Valve Components			
Component	Description	Option	
		CE1	CE2
		PN	
Shutoff valve assembly	Includes ball valve and union	15971	15972
Ball valve	1/2-inch	196910	—
	3/4-inch	—	196911
Union	1/2-inch	1224	—
	3/4-inch	—	1101

Hanger Kit (Options CK11 and CK31)

NOTE: Refer to the hanger kit installation manual provided with the kit for components and installation instructions.

Table 8. Hanger Kits		
Option	PN	Model
CK11	270725	VPS, VPT
CK31	270717	VCS, VCT*

*Option CK31, the stainless steel kit, may also be ordered as an option for model VPS or VPT.

Turnbuckle Kit (Options CK12–CK40)

NOTE: Refer to the turnbuckle kit installation manual provided with the kit for components and installation instructions.

Table 7. Turnbuckle Kits			
Option	Description	PN	Model
CK12	Turnbuckle kit, 20-foot straight tube	270697	VPS, VPT
CK13	Turnbuckle kit, 30-foot straight tube or 20-foot L- or U-tube	270698	
CK14	Turnbuckle kit, 40-foot straight tube or 30-foot L- or U-tube	270699	
CK15	Turnbuckle kit, 50-foot straight tube or 40-foot L- or U-tube	270700	
CK16	Turnbuckle kit, 60-foot straight tube or 50-foot L- or U-tube	270701	
CK17	Turnbuckle kit, 70-foot straight tube or 60-foot L- or U-tube	270702	
CK18	Turnbuckle kit, 80-foot straight tube or 70-foot L- or U-tube	270703	VPS
CK28	Turnbuckle kit, 80-foot L- or U-tube	270733	
CK32	SST turnbuckle kit, 20-foot straight tube	270704	VCS, VCT*
CK33	SST turnbuckle kit, 30-foot straight tube or 20-foot L- or U-tube	270705	
CK34	SST turnbuckle kit, 40-foot straight tube or 30-foot L- or U-tube	270706	
CK35	SST turnbuckle kit, 50-foot straight tube or 40-foot L- or U-tube	270707	
CK36	SST turnbuckle kit, 60-foot straight tube or 50-foot L- or U-tube	270708	
CK37	SST turnbuckle kit, 70-foot straight tube or 60-foot L- or U-tube	270709	
CK39	SST turnbuckle kit, 80-foot straight tube or 70-foot L- or U-tube	270735	VCS*
CK40	SST turnbuckle kit, 80-foot L- or U-tube	270736	

*Options CK32–CK40, the stainless steel kits, may also be ordered as an option for model VPS or VPT.

Combustion Air Inlet Kit (Options DE1 and DE2)

NOTE: Refer to the combustion air inlet kit installation manual provided with the kit for components and installation instructions.

Table 6. Combustion Air Inlet Kits	
Option	PN
DE1	270613
DE2	270614

Wind and Rain Hood Kit (Option DE5)

The wind and rain hood kit (PN 270615) is for outdoor installations of models VCS and VCT.

NOTE: Refer to the wind and rain hood installation manual provided with the kit for components and installation instructions.

ACCESSORIES/OPTIONS—CONTINUED

High-Elevation Conversion Kit (Option DJ20)

NOTE: Refer to the high-elevation conversion kit installation manual provided with the kit for components and installation instructions.

Table 10. High-Elevation Conversion Kits							
Unit Size (MBTUh)							
60	80	100	125	150	170		200
Kit PN							
1001370	1001371	1001372	1001373	1001374	1001419*	1001375**	1001376
*For use with size 170 model VPS and VCS generation ZZ units—derates burner to 150,000 kBTU.							
**For use with size 170 model VCS, VPS, and VPT generation BB units and size 170 model VCT and VPT generation ZZ units.							

Gas Conversion Kit (Option DL2)

NOTE: Refer to the gas conversion kit installation manual provided with the kit for components and installation instructions.

Table 9. Gas Conversion Kits							
Unit Size (MBTUh)							
60	80	100	125	150	170	200	
Kit PN							
1001412	1001413	1001414	1001415	1001416	1001417*	1001418**	—***
*For use with size 170 model VPS and VCS generation ZZ units—converts burner to size 150 generation BB.							
**For use with size 170 model VCT and VPT generation ZZ units and all generation BB units at installation elevations of 0–2,000 feet.							
***Conversion kit is not available for unit size 200.							

