

Parts List

HIGH EFFICIENCY RESIDENTIAL GAS WATER HEATERS

Water Heater Parts Fulfillment
1-800-821-2017

MODELS: 50G/75G
SERIES: 400/401/450/451

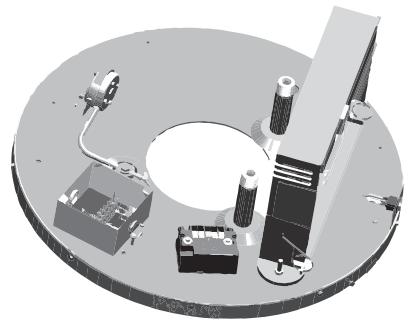
DISPLAY CONTROL ASSEMBLIES



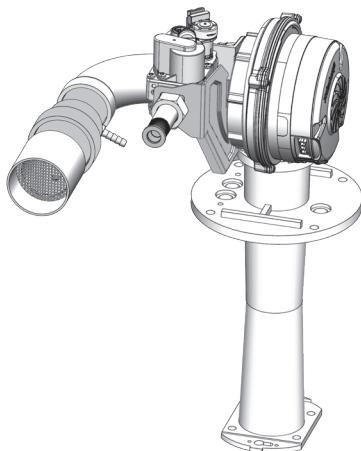
Vertex 50/75 GALLON MODELS



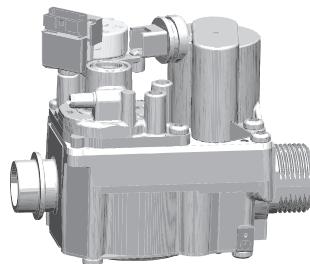
INNER COVER CONTROL ASSEMBLIES



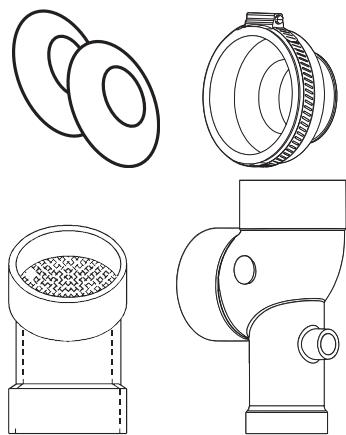
BLOWER/BURNER ASSEMBLIES



GAS VALVES



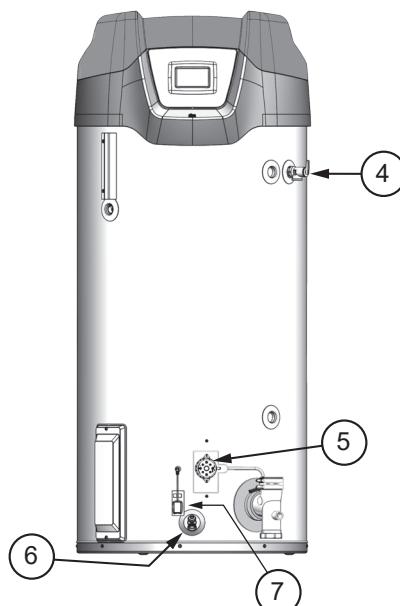
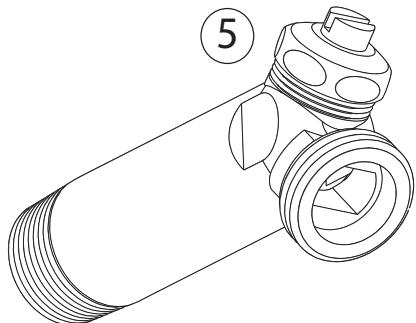
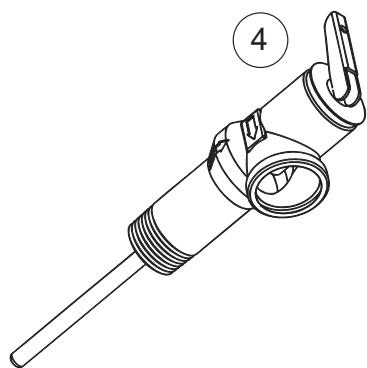
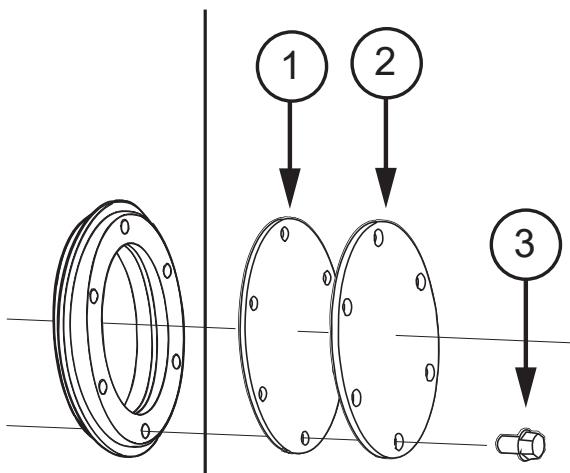
EXHAUST ELBOW ASSEMBLY KITS AND VENT ASSEMBLY KITS



CLEANOUT ASSEMBLY / TEMPERATURE-PRESSURE VALVE

Table 1. Cleanout, T&P Valve, Lower Temperature Probe, and Drain Valve Assemblies

No.	Kit Description	50G	75G
1	K,GASKET,CLEANOUT	Not Applicable	100109686
2	K,COVER PLATE	Not Applicable	100110656
3	K,SCREW,THREAD FORMING	100109688	100109688
4	K,T & P Valve	100110714	100110714
5	K,SWITCH,BLOCKED OUTLET	100347296	100347296
6	K,DRAIN VALVE,BRS,BALL,2.5"	100263912	100263912
7	K,LDM SENSOR ASSY	100305039	100305039



DISPLAY CONTROL ASSEMBLY

Table 2. Display Control Assembly

No.	Kit Description	50G	75G
1	K, FMM KEY/HARNESS	100388119	100388119
2	K,UIM ASSEMBLY, PROGRAMMED	100347253	100347253
3	K,SWITCH,ENABLE/DISABLE,RA8	100347254	100347254

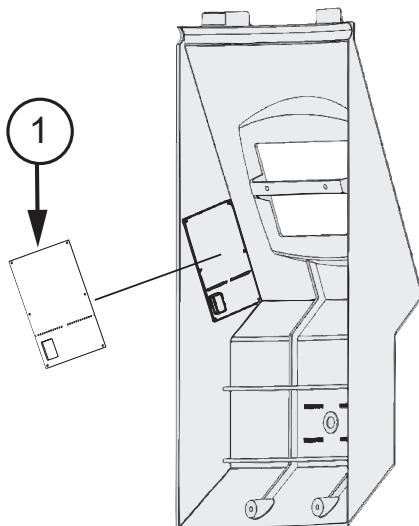


Figure 1. 50-Gallon Model FMM Location

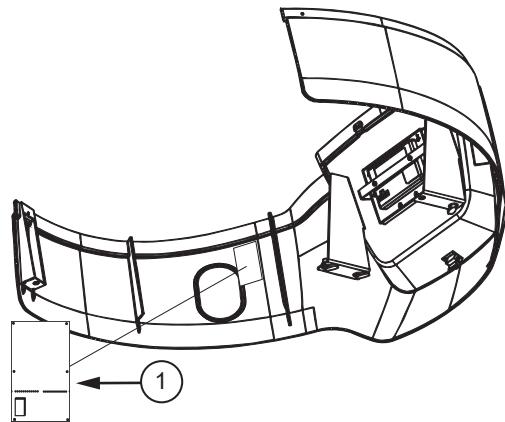


Figure 3. 75-Gallon FMM Location

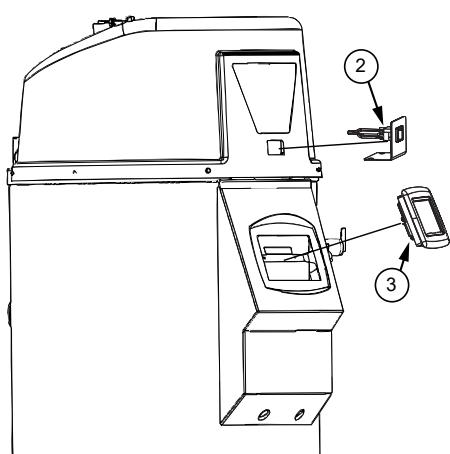


Figure 2. 50-Gallon Model UIM and Enable-Disable Switch Location

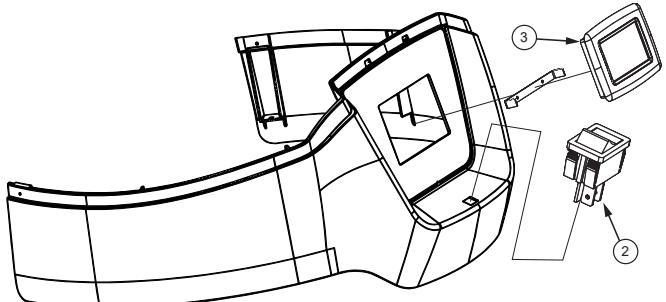


Figure 4. 50 Gallon UIM Location

TOP COVER CONTROL ASSEMBLY

Table 3. Inner Cover Control Assembly

No.	Kit Description	50G	75G
1	K,SWITCH,BLOCKED INLET,- 2.50"WC,NC,SERIES 400	100383670	100383670
2	K, MAIN PROBE,TEMP,W/ECO,RECESSED	100347256	100347256
3	K,CSC CONTROL BOARD	100347259	100347259
4	K, LOW VOLTAGE HARNESS ONLY	100385865	100385865
5	K,TRC CONTROL BOARD	100347258	100347258
6	K,TRC/CSC HARNESS ONLY	100385825	100385825
7	K, SPARK IGNITION TRANSFORMER	100271921	100271921
8	K,JUNCTION BOX ASSY,PX52,RES	100387803	100387803
9	K,POWERED ANODE 31.5"	100111286	100111286

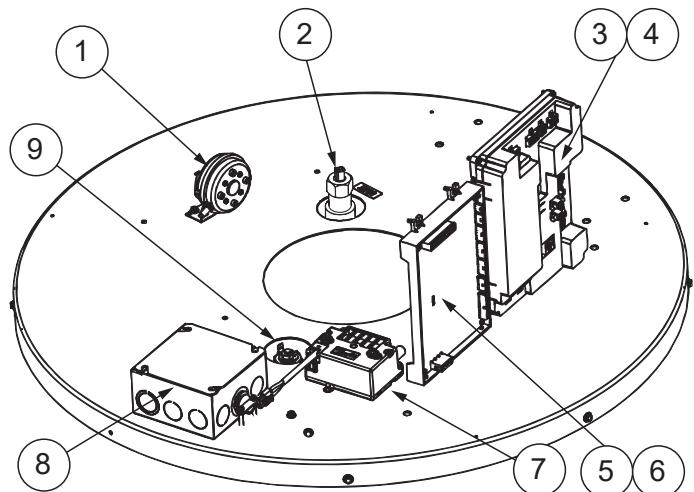


Figure 5. 50 Gallon

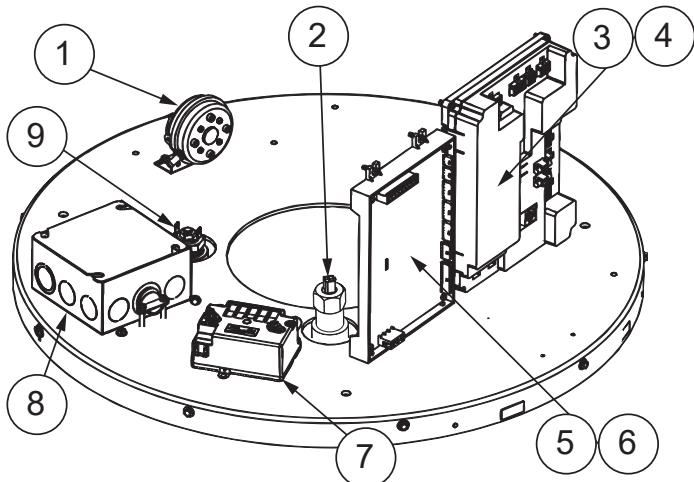


Figure 6. 75 Gallon

BLOWER/BURNER ASSEMBLY

Table 4. Blower/Burner Assembly

No.	Kit Description	50G	75G
1	K,NRG118 BLOWER ASSY W/O PRESSURE PORT	100347260	100347260
2	K,GASKET,BLOWER OUTLET,SILICONE	100360243	100360243
3	K,SIGHT GLASS	100110901	100110901
4	K,GASKET,SIGHT GLASS	100110902	100110902
5	K,FLAME SENSOR ROD,6"KANTHAL	100347293	100347293
6	K,GASKET,FLAME ROD,.56" ODX.31"ID	100338897	100338897
7	K, IGNITION CABLE ONLY	100385864	100385864
8	K,SPARK IGNITER ASSY,S400,VERTEX	100347295	100347295
9	K,GASKET,BURNER	100112011	100112011
10	K,BURNER,2.77"DIA X 5.17"L,SS	100347294	100347294
11	K.GAS VALVE INLET ASSY	100347297	100347297
12	K,GAS VALVE/VENTURI ASSEMBLY,PX52,S400	100347291	100347291
13	K.GASKETS/WIRE HARNESS,FLAME SENSOR*	100347292	100347292

* This kit contains the blower gasket, sight glass gasket, flame sensor gasket, flame rod gasket, burner gasket, and the wire harness.

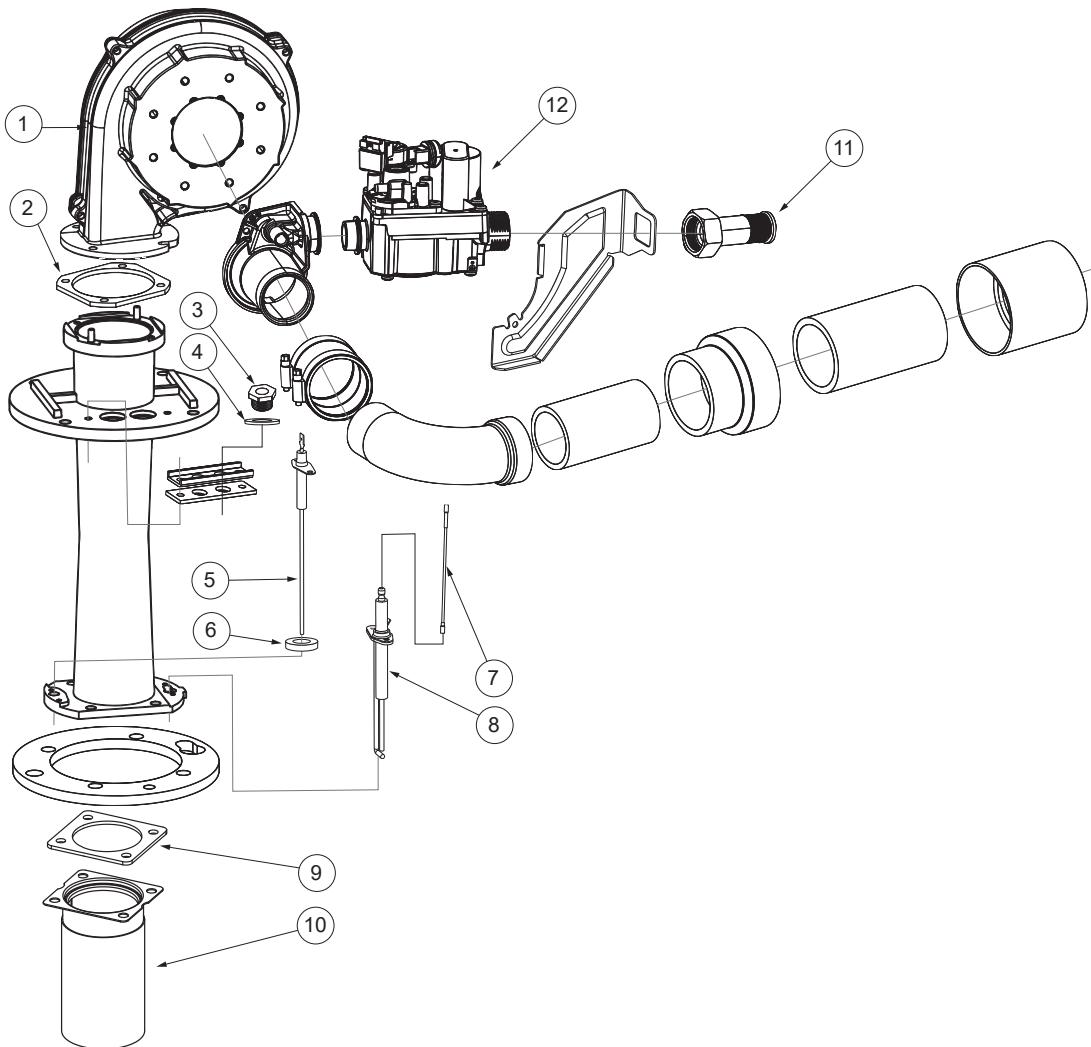


Figure 7. Blower/Burner Assembly

3" EXHAUST CONNECTOR AND VENT KIT ASSEMBLIES

Table 5. 3" Exhaust Connector and Vent Kit Assemblies		
No.	Kit Description	Part Number
Exhaust Elbow and Fittings		
1	Exhaust Connector (2.50" x 4.00")	100110947
2	Exhaust /Condensate Elbow Assembly	100187862
3	Condensate Trap Gasket	100338896
Vent Kit Parts		
4	Intake/Exhaust Screen	100110830
5	PVC 45 Degree Elbow w/Screen (PVC)	100108686
6	Silicone	100109821
7	Wall Plate	100109820

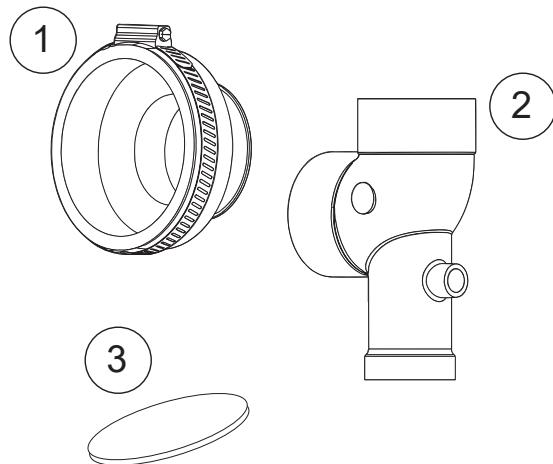
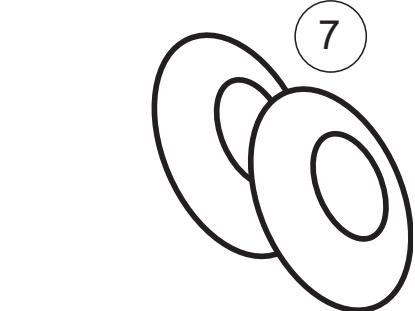
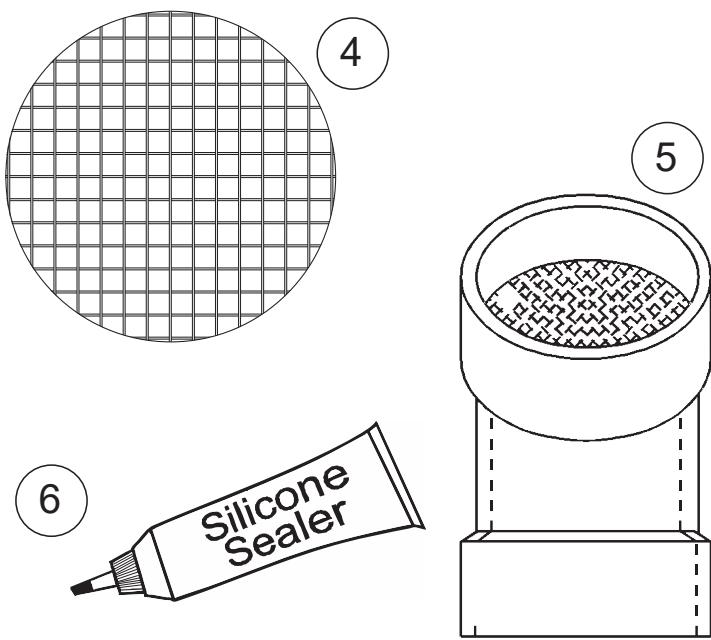


Figure 8. 3" Exhaust Elbow Fittings



4" EXHAUST CONNECTOR AND VENT KIT ASSEMBLIES

Table 6. 4" Exhaust Connector And Vent Kit Assemblies		
No.	Kit Description	Part Number
Exhaust Elbow and Fittings		
1	Exhaust/Condensate Elbow Assembly	100187863
2	Connector, Exhaust	100110908
3	Condensate Trap Gasket	100338896
Vent Kit Parts		
4	Intake/Exhaust Vent Terminal	100110909
5	Wall Plates (2 required)	100110910
6	Silicone Sealer, 2 oz. tube	100109821

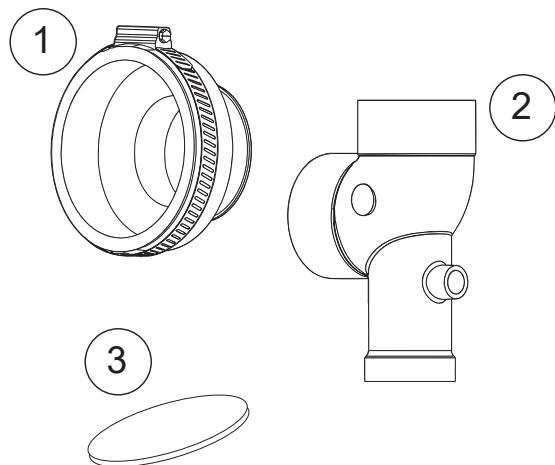


Figure 9. 4"Exhaust Elbow Fittings

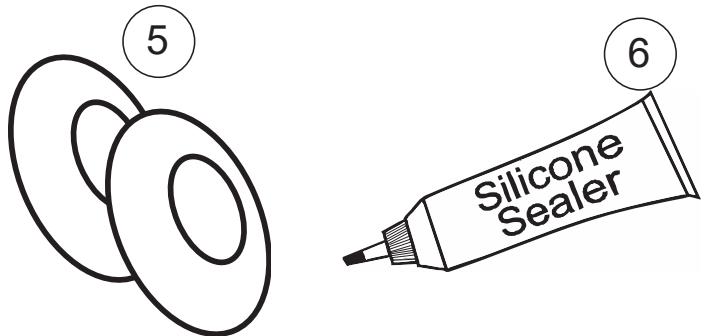


Figure 10. 4"Vent Kit Items

OPTIONAL VENT KIT ASSEMBLIES

Table 7. Optional Vent Kit Assemblies		
No.	Kit Description	Part Number
1	K, 2 INCH, VENT TERMINAL	100386033
2	K,VENT TERMINATION,LOWPROFILE,2"	100187903
3	KIT,CONCENTRIC VENT,ULCS636,2	100112869
4	KIT,CONCENTRIC VENT,ULC COMPLIANT,3"	100111100
5	KIT,VENT TERMINATION,LOW PROFILE,3"	100187887
6	KIT,VENT TERMINATION,LOW PROFILE,4"	100187888
7	KIT,CONCENTRIC VENT,6"	100113124
8	K,VENT TERMINAL,6 INCH	100111626
9	KIT,VENT TERMINATION,LOW PROFILE,6"	100187889
10	Silicone	100109821
11	Wall Plate	100109820

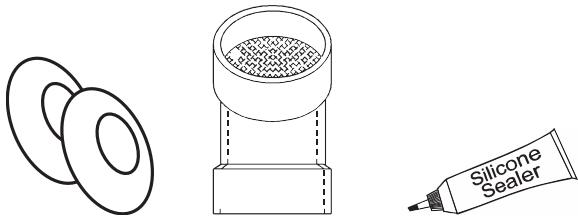


Figure 11. Optional Vent Kit Items

OPTION KIT ASSEMBLIES

Table 8. Option Kit Assemblies		
No.	Kit Description	Part Number
1	KIT,BMS	100378810
2	KIT,NEUTRALIZER,100-300K BTU,CN2-300C	100289339

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