



RESIDENTIAL ULTRA LOW NO_x REPLACEMENT PARTS LIST

Eco-Defender (URG(1,2)D) Models



Models Covered:

URG1D30T*N

URG1D40S*N

URG1D40T*N

URG1D50T*N

URG2D40S*N

URG2D50S*N

*Denotes warranty year

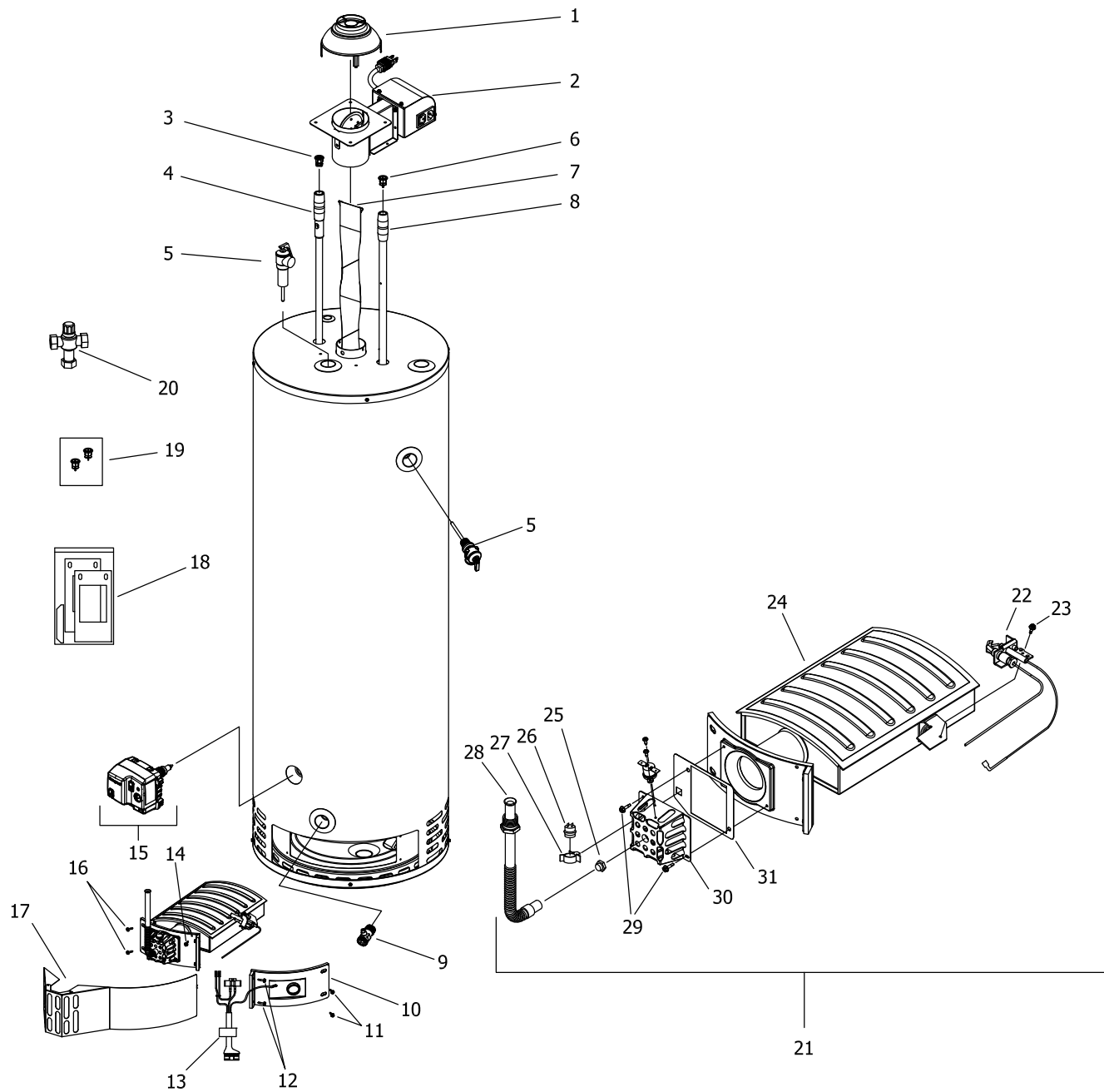
Effective: January, 2023
ECO 8248-3

NOTE: BOTH MODEL AND SERIAL
NUMBERS ARE REQUIRED FOR
ORDERING REPLACEMENT PARTS

Dimensions and specifications
subject to change without notice.



As required by the state of California Proposition 65.



Item	Description	Model	Model	Model	Model
		URG1D30T*N	URG1D40S*N	URG1D40T*N	URG1D50T*N
1	Draft Diverter	243-45787-00	243-45787-00	243-45787-00	243-45787-00
2	Flue Damper	239-50659-00	239-50660-00	239-50659-00	239-50659-00
3	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00	415-45167-00	415-45167-00
4	Hot Water Outlet Anode (Magnesium) ▲▲ #	415-47776-19	415-47776-19	415-47776-19	415-47776-19
	Hot Water Outlet Anode (Aluminum) ▲▲ #	415-32999-42	415-32999-42	415-32999-42	415-32999-42
	Hot Water Outlet Anode (A420 Aluminum) ▲▲ #	415-49560-10	415-49560-10	415-49560-10	415-49560-10
5	T&P Relief Valve	415-40594-02	415-40594-02	415-40594-02	415-40594-02
6	Heat Trap Insert (Inlet)	415-51556-00	415-51556-00	415-51556-00	415-51556-00
7	Flue Baffle	243-44639-00	243-51285-00	239-50065-03	243-44705-00
8	Cold Water Inlet Dip Tube (PEX) ▲	415-51230-19	415-51230-24	415-51230-21	415-51230-18
9	Drain Valve (Brass)	415-42351-02	415-42351-02	415-42351-02	415-42351-02
10	Inner Door Right Side Assembly	239-50664-01	239-50664-03	239-50664-02	239-50664-03
11	Screw #10-12 X 3/4 HWH (2 req'd)	239-52581-00	239-52581-00	239-52581-00	239-52581-00
12	Screw #8-15 X 3/4 INHXWS (2 req'd)	239-44195-00	239-44195-00	239-44195-00	239-44195-00
13	ULN FV Sensor, RTD & Thermal Switch Harness	239-49720-00	239-49720-00	239-49720-00	239-49720-00
14	Screw #8-15 X 3/4 INHXWS (2 req'd)	239-44195-00	239-44195-00	239-44195-00	239-44195-00
15	Gas Control Kit	239-49008-01	239-49008-01	239-49008-01	239-49008-01
16	Screw #10-12 X 3/4 HWH (2 req'd)	239-52581-00	239-52581-00	239-52581-00	239-52581-00
17	Outer Door	239-46209-00	239-46209-00	239-46209-00	239-46209-00
18	Kit-Inner Door Gasket	239-51576-00	239-51576-00	239-51576-00	239-51576-00
19	Kit-Heat Trap Insert	265-51572-00	265-51572-00	265-51572-00	265-51572-00
20	ASSE Approved Mixing Valve (Optional)	239-51778-00	239-51778-00	239-51778-00	239-51778-00
21	Burner Assembly (Normal Alt.)** ***	265-48329-06-42	265-48329-01-36	265-48329-05-36	265-48329-01-36
	Burner Assembly High Alt. 2,001 Ft. to 7,000 Ft. (-475 model suffixes)** ***	265-48329-06-44	265-48329-01-41	265-48329-05-41	265-48329-01-41
22	Pilot Assembly Kit without Door Gaskets**	265-48175-04	265-48175-04	265-48175-04	265-48175-04
23	Screw #8-18 X 1/2 HWH (1 req'd)	239-32761-00	239-32761-00	239-32761-00	239-32761-00
24	Burner **	228-48383-14	228-48383-18	228-48383-16	228-48383-18
25	Main Burner Orifice 0 Ft. to 2,000 Ft.**	234-18194-42	234-18194-36	234-18194-36	234-18194-36
	Main Burner High Alt. 2,001 Ft. to 7,000 Ft. (-475 model suffixes) **	234-18194-44	234-18194-41	234-18194-41	234-18194-41
	Main Burner High Altitude Orifice Kit 7,001 Ft. to 10,000 Ft.	265-51320-01-47	265-51320-01-43	265-51320-01-43	265-51320-01-43
26	FVIR Sensor	415-45560-00	415-45560-00	415-45560-00	415-45560-00
27	FVIR Sensor Clip	239-45648-00	239-45648-00	239-45648-00	239-45648-00
28	Flexible Gas Feedline	233-46930-01	233-46930-01	233-46930-01	233-46930-01
29	Screw #8-15 X 3/4 INHXWS (2 req'd)	239-44195-00	239-44195-00	239-44195-00	239-44195-00
30	Assembly Manifold Mount	239-46695-00	239-46695-00	239-46695-00	239-46695-00
31	FVIR Sensor Mount Plate	239-48341-00	239-48341-00	239-48341-00	239-48341-00

*Applies to all warranties

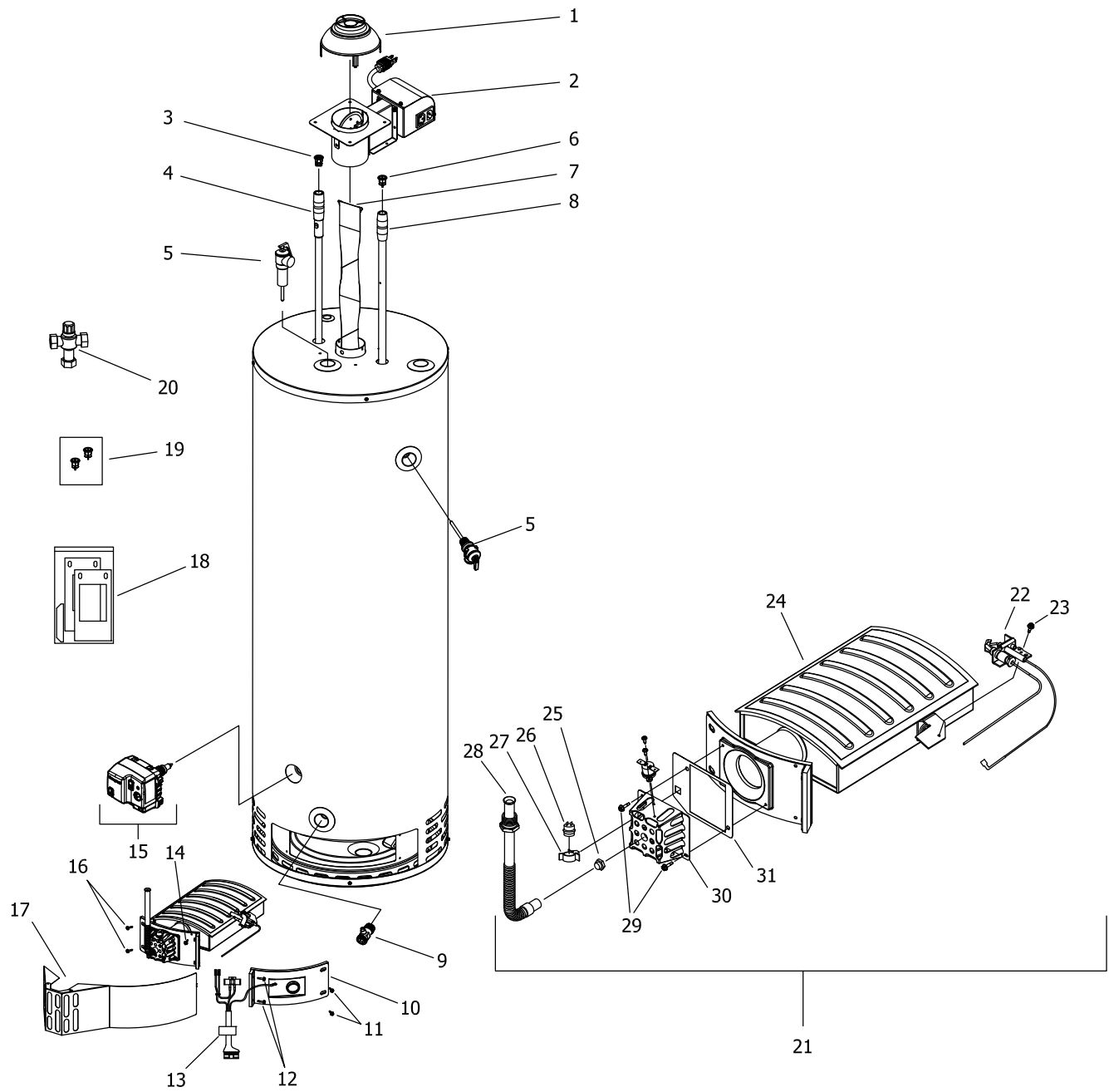
**Inner door gasket kit recommended

***Ordering a complete burner assembly may increase delivery time. Please order the specific component required for the quickest delivery.

▲ Order with item 6

▲▲ Order with item 3

Anode may need to be cut to length



Item	Description	Model	Model
		URG2D40S*N	URG2D50S*N
1	Draft Diverter	243-45787-00	243-45787-00
2	Flue Damper	239-50660-00	239-50660-00
3	Heat Trap Insert (Outlet)	415-45167-00	415-45167-00
4	Hot Water Outlet Anode (Magnesium) ▲▲ #	415-47776-19	415-47776-19
	Hot Water Outlet Anode (Aluminum) ▲▲ #	415-32999-42	415-32999-42
	Hot Water Outlet Anode (A420 Aluminum) ▲▲ #	415-49560-10	415-49560-10
5	T&P Relief Valve	415-40594-02	415-40594-02
6	Heat Trap Insert (Inlet)	415-51556-00	415-51556-00
7	Flue Baffle	243-52133-00	243-47898-00
8	Cold Water Inlet Dip Tube (PEX) ▲	229-51230-31	229-51230-32
9	Drain Valve (Brass)	415-42351-02	415-42351-02
10	Inner Door Right Side Assembly	239-50664-03	239-50664-03
11	Screw #10-12 X 3/4 HWH (2 req'd)	239-52581-00	239-52581-00
12	Screw #8-15 X 3/4 INHXWS (2 req'd)	239-44195-00	239-44195-00
13	ULN FV Sensor, RTD & Thermal Switch Harness	239-49720-00	239-49720-00
14	Screw #8-15 X 3/4 INHXWS (2 req'd)	239-44195-00	239-44195-00
15	Gas Control Kit	239-49008-01	239-49008-01
16	Screw #10-12 X 3/4 HWH (2 req'd)	239-52581-00	239-52581-00
17	Outer Door	239-46209-00	239-46209-00
18	Kit-Inner Door Gasket	239-51576-00	239-51576-00
19	Kit-Heat Trap Insert	265-51572-00	265-51572-00
20	ASSE Approved Mixing Valve (Optional)	239-51778-00	239-51778-00
21	Burner Assembly (Normal Alt.)** ***	265-48329-01-37	265-48329-03-37
	Burner Assembly High Alt. 2,001 Ft. to 7,000 Ft. (-475 model suffixes)** ***	265-48329-01-42	265-48329-03-42
22	Pilot Assembly Kit without Door Gaskets**	265-50195-02	265-48175-04
23	Screw #8-18 X 1/2 HWH (1 req'd)	239-32761-00	239-32761-00
24	Burner **	228-48383-18	228-48383-19
25	Main Burner Orifice 0 Ft. to 2,000 Ft.**	234-18194-37	234-18194-37
	Main Burner High Alt. 2,001 Ft. to 7,000 Ft. (-475 model suffixes) **	234-18194-42	234-18194-42
	Main Burner High Altitude Orifice Kit 7,001 Ft. to 10,000 Ft.	265-51320-01-43	265-51320-01-43
26	FVIR Sensor	415-45560-00	415-45560-00
27	FVIR Sensor Clip	239-45648-00	239-45648-00
28	Flexible Gas Feedline	233-46930-01	233-46930-01
29	Screw #8-15 X 3/4 INHXWS (2 req'd)	239-44195-00	239-44195-00
30	Assembly Manifold Mount	239-46695-00	239-46695-00
31	FVIR Sensor Mount Plate	239-48341-00	239-48341-00

*Applies to all warranties

**Inner door gasket kit recommended

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▲▲ Order with item 3

Anode may need to be cut to length

Reference Chart of Anode Length by Model

Model	AOD Anode Cut (End to end)		Hex Head Anode Cut Length (End to end)	
	Inches	Millimeters	Inches	Millimeters
URG1D30T*N				
URG1D40S*N				
URG1D40T*N				
URG1D50T*N				
URG2D40S*N	39.63			
URG2D50S*N	44.63			



United States

Sales 800-523-2931

Technical Support 800-334-3393

Email techserv@bradfordwhite.com

Warranty 800-531-2111

Email warranty@bradfordwhite.com

Service Parts 800-538-2020

Email parts@bradfordwhite.com

Canada

Sales & Technical Support 866-690-0961 905-203-0600

Fax 905-636-0666

Warranty bwccwarranty@bradfordwhite.com

Technical Support bwcctech@bradfordwhite.com

Service Parts orders@bradfordwhitecanada.com

Orders ca.orders@bradfordwhite.com

For U.S. and Canada field service,
contact your professional installer or
local Bradford White sales representative.

International

General Contact international@bradfordwhite.com