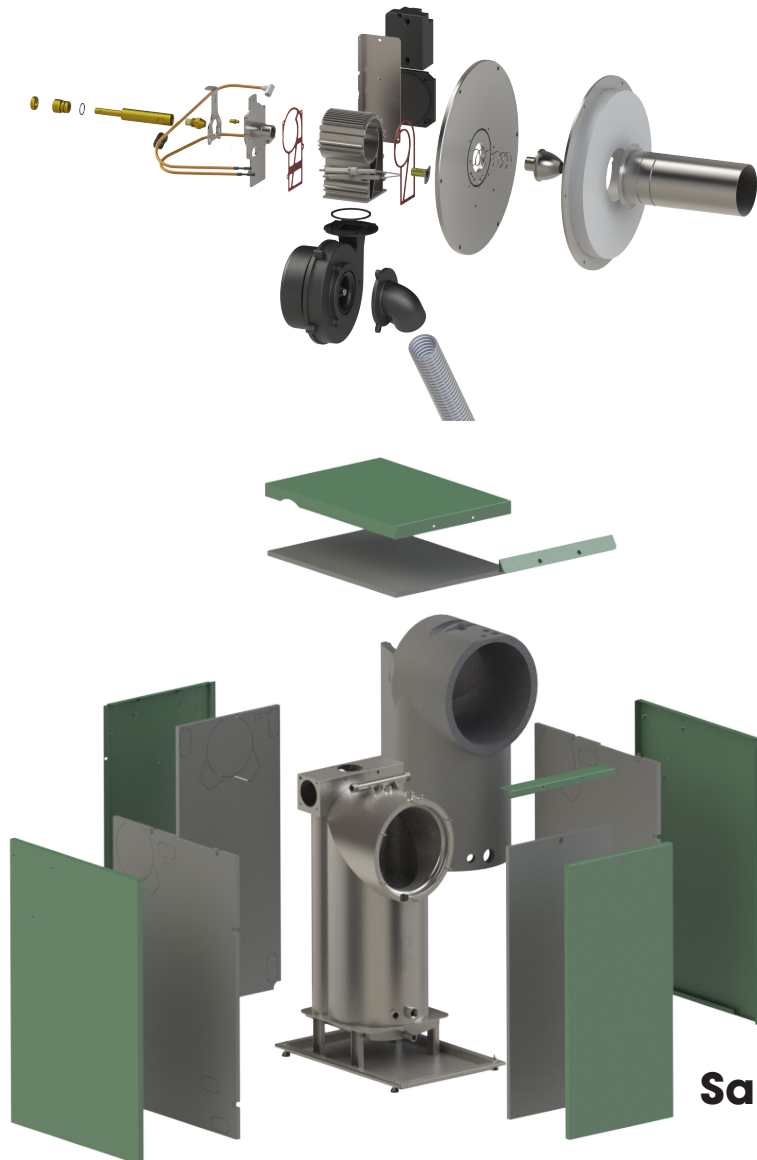


Sapphire[®]

Spare Parts Lists Sapphire External



Sapphire 6-32kW



Burner Exploded View

Burner spare parts

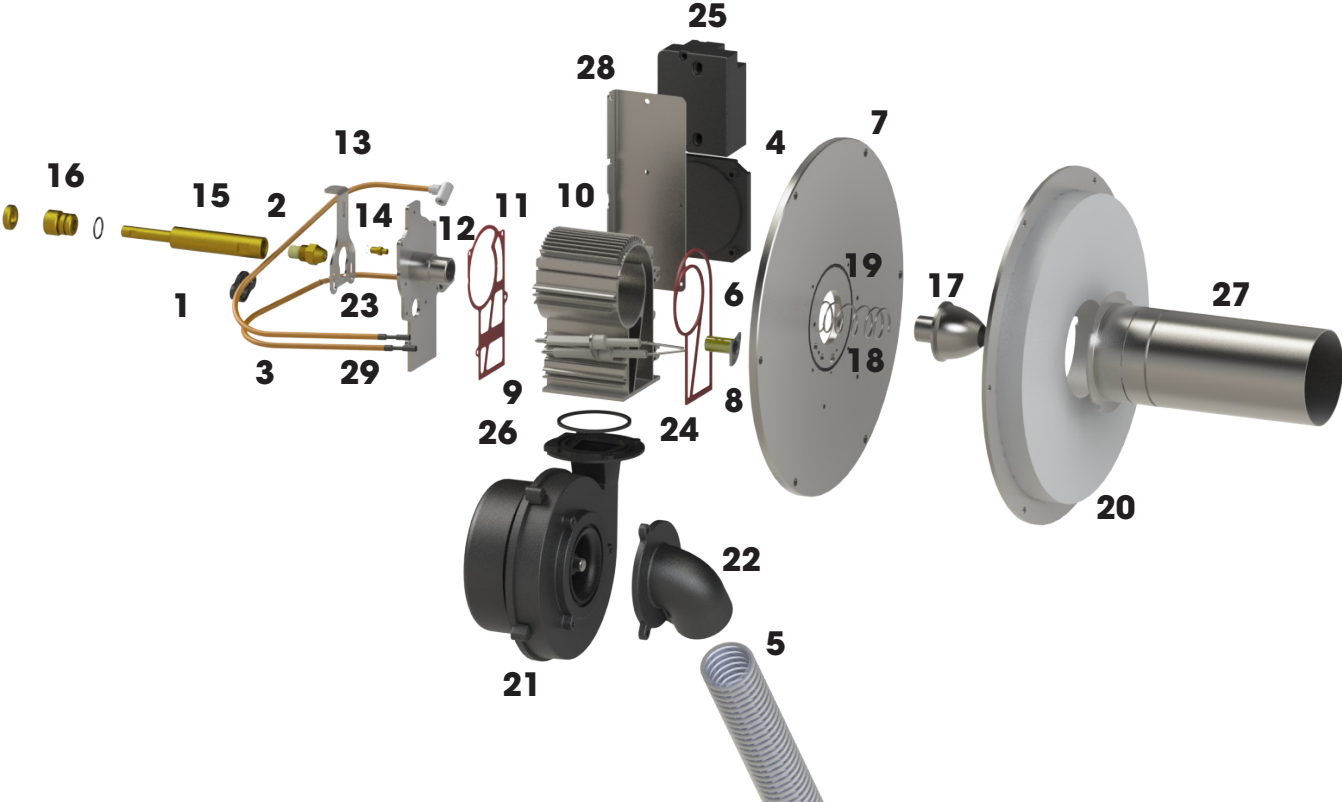


Fig. 1

Burner Exploded View

Labelled Number	Part Number	Description
1	B14-0003	KLC Mounting Flange
2	D01-030H8306	0.40 x 80 EH (23kW Version)
3	E80-0601	HT-Leads (Sold Individually)
4	H01-75457584	Air Pressure Switch D2 Plastic Cover/Screw
	H01-84444329	Air Pressure Switch DL2
5	SS-ACCESS-007-02	Flexible Air Intake Hose (2m)
6	SS-BURN-001-02	Flange Plate
7	SS-BURN-002-02	Air box to flange sealing gasket
8	SS-BURN-003-01	Sight Glass
	SS-BURN-004-01	Sight glass tube
9	SS-BURN-005-01	Ignition electrode set
10	SS-BURN-006-01	Air Box 73mm
11	SS-BURN-007-01	Air box to housing plate sealing gasket
12	SS-BURN-008-01	Fan Housing Plate
13	SS-BURN-009-01	Nozzle Holder Locking Plate
14	SS-BURN-010-01	Air Pressure test point (incs seal)
15	SS-BURN-012-01	Nozzle Holder
16	SS-BURN-013-01	Nozzle Holder Adjuster
	SS-BURN-014-01	Nozzle Holder Locking Screw
	SS-BURN-015-01	Nozzle Holder O-Ring (21x6)
17	SS-BURN-016-01	Nozzle head 16mm (23kW Version)
	SS-BURN-017-01	Nozzle head 19mm (28/32kW Version)
18	SS-BURN-018-01	Nozzle Head Spring
19	SS-BURN-020-02	Graphite Seal - Blast Tube 27cm
20	SS-BURN-031-01	Mounting flange gasket
21	SS-BURN-033-01	Fan Motor
22	SS-BURN-040-01	Fan Air Adaptor Intake
23	SS-BURN-043-01	Air pressure switch tubing (25cm)
24	SS-BURN-044-01	Graphite Seal - Fan Seal (18cm)
25	SS-BURN-048-01	EBI Ignition Transformer 230v
26	SS-BURN-052-01	Electrode Rubber Washer
27	SS-BURN-053-01	140mm Blast tube base 1mm Slots
28	SS-CASE-027-01	Transformer Pr/Sw Bracket
29	SS-WIRE-001-01	KLC20/24 24V DC Flame Detector with fixed 450 mm Cable

PCB Exploded View

PCB spare parts

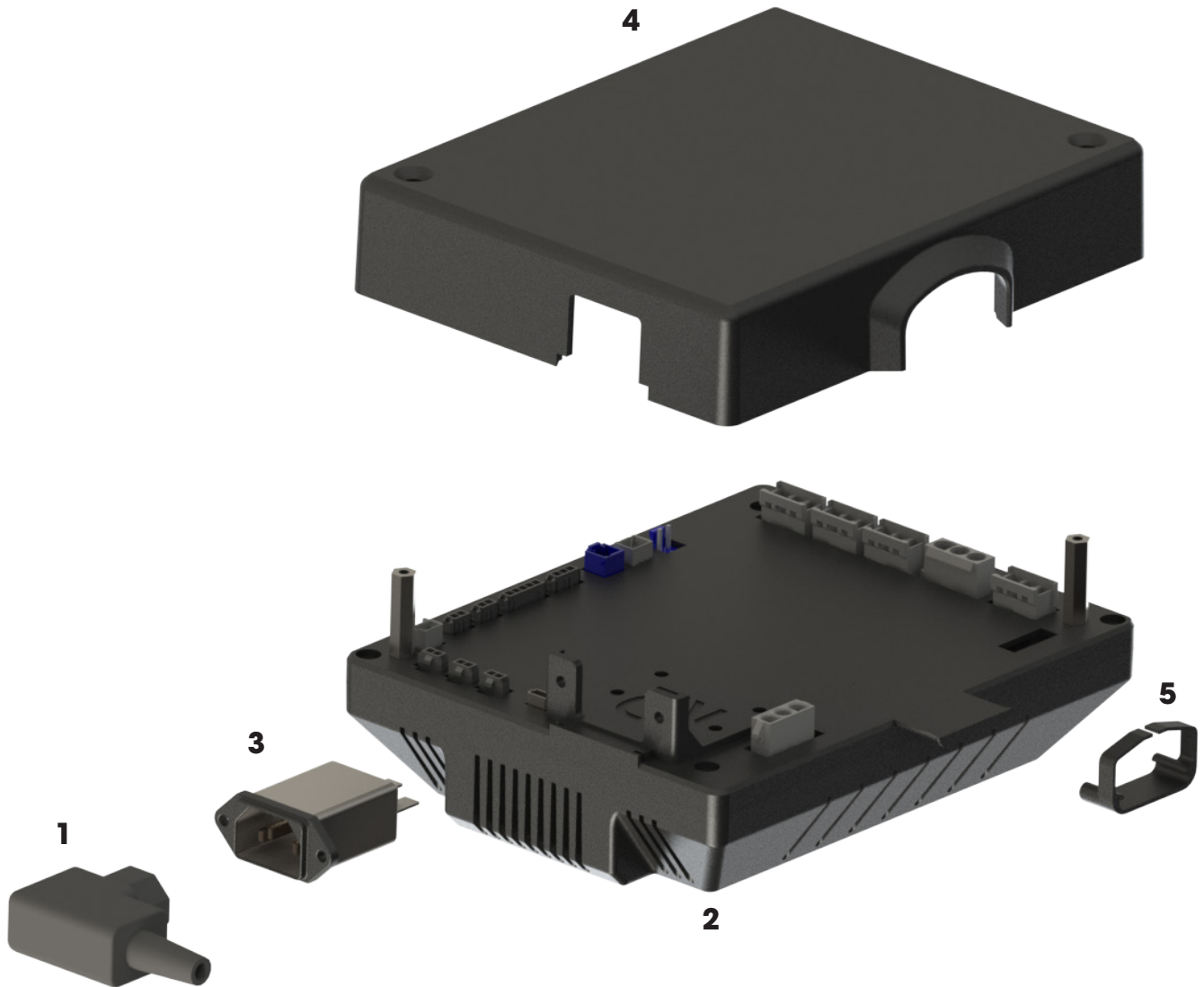


Fig. 2

Labelled Number	Part Number	Description
1	SS-LOOM-014-01	Mains supply Cable (Switch to PCB)
2	SS-PCBKIT-001-03	PCB pre made Kit (Also includes item 3)
3	SS-PCB-004-01	Filtered IEC Power Socket, IEC C14, 3 A, 250 VAC
4	SS-PCB-008-01	PCB Cable cover
5	SS-PCB-012-01	Cable capture clip

Top Tray Exploded View

Top Tray spare parts

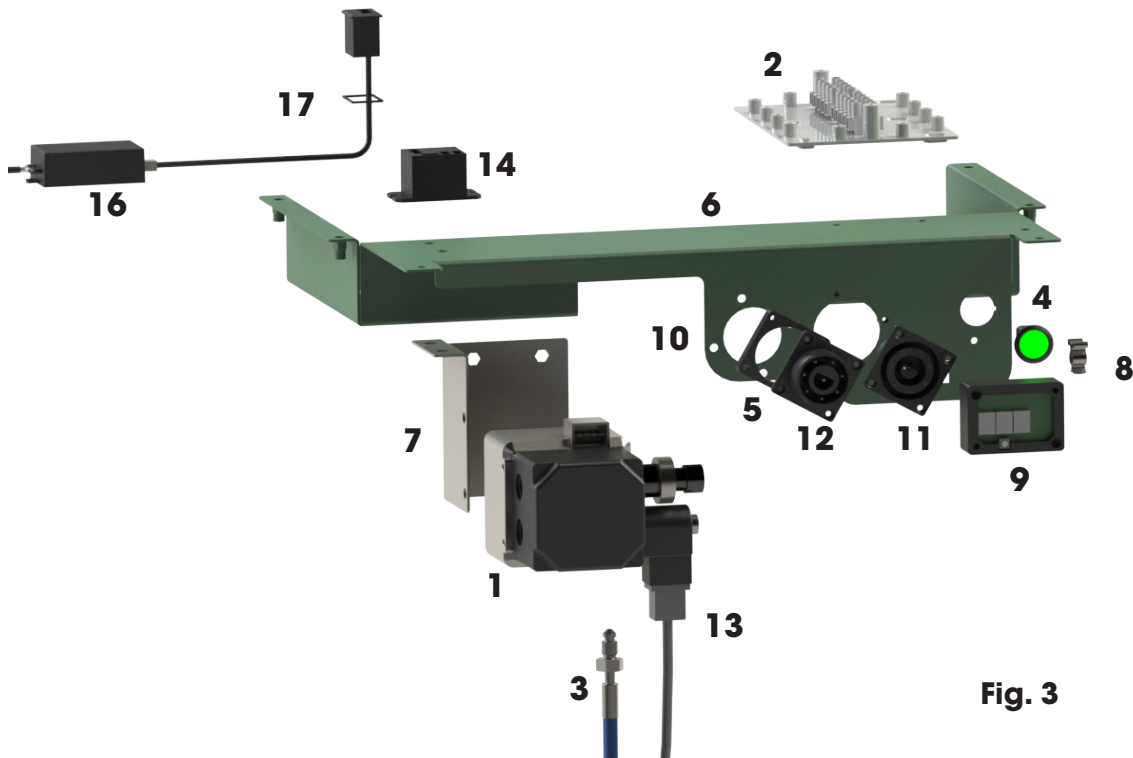


Fig. 3

Labelled Number	Part Number	Description
1	D01-071N1006	BFPM61 Solenoid coil
	D01-071N4106	BFPM61 Oil Pump
	D01-071N4214	BFPM61 Motor lead
	D01-071N4215	BFPM61 Transducer lead
2	H01-42002116-002	Wiring centre - 10-way junction box
3	SS-BURN-038-01	Flexible pipe
4	SS-CASE-012-01	On/Off Switch
5	SS-CASE-013-01	Bulking plug spacer
6	SS-CASE-026-02-EX	Top Support Tray - GREEN
7	SS-CASE-028-01	Pump Mounting Bracket - SS
8	SS-HEX-015-01	13mm Spring clip for Fire Valve Sensor
9	SS-LCDKIT-001-03	LCD Display Kit
10	SS-LOOM-004-01	Fan Loom
11	SS-LOOM-005-01	Burner Loom
	SS-LOOM-006-01	PCB to Burner Socket
12	SS-LOOM-007-01	PCB to Fan Socket
13	SS-LOOM-010-01	BFPM61 Pump solenoid lead
14	SS-RELAYKIT-001-01	Switched Live Relay kit
15	SS-WIRE-006-01	Coiled USB Angled to Angled lead
16	SS-WIRE-007-01	USB 5v Power Supply
17	SS-WIRE-009-01	Spacer for USB 5v Socket

Oil Line Connections View

Fuel connection spare parts



Fig. 4

Labelled Number	Part Number	Description
1	F11-0440-A-14M-S-14F	Flexible 440mm Ruby Red Angled 1/4M x 1/4F
2	SS-CASE-031-01	Nozzle Holder Service Support clip

Boiler Exploded Components View

Heat Exchanger spare parts

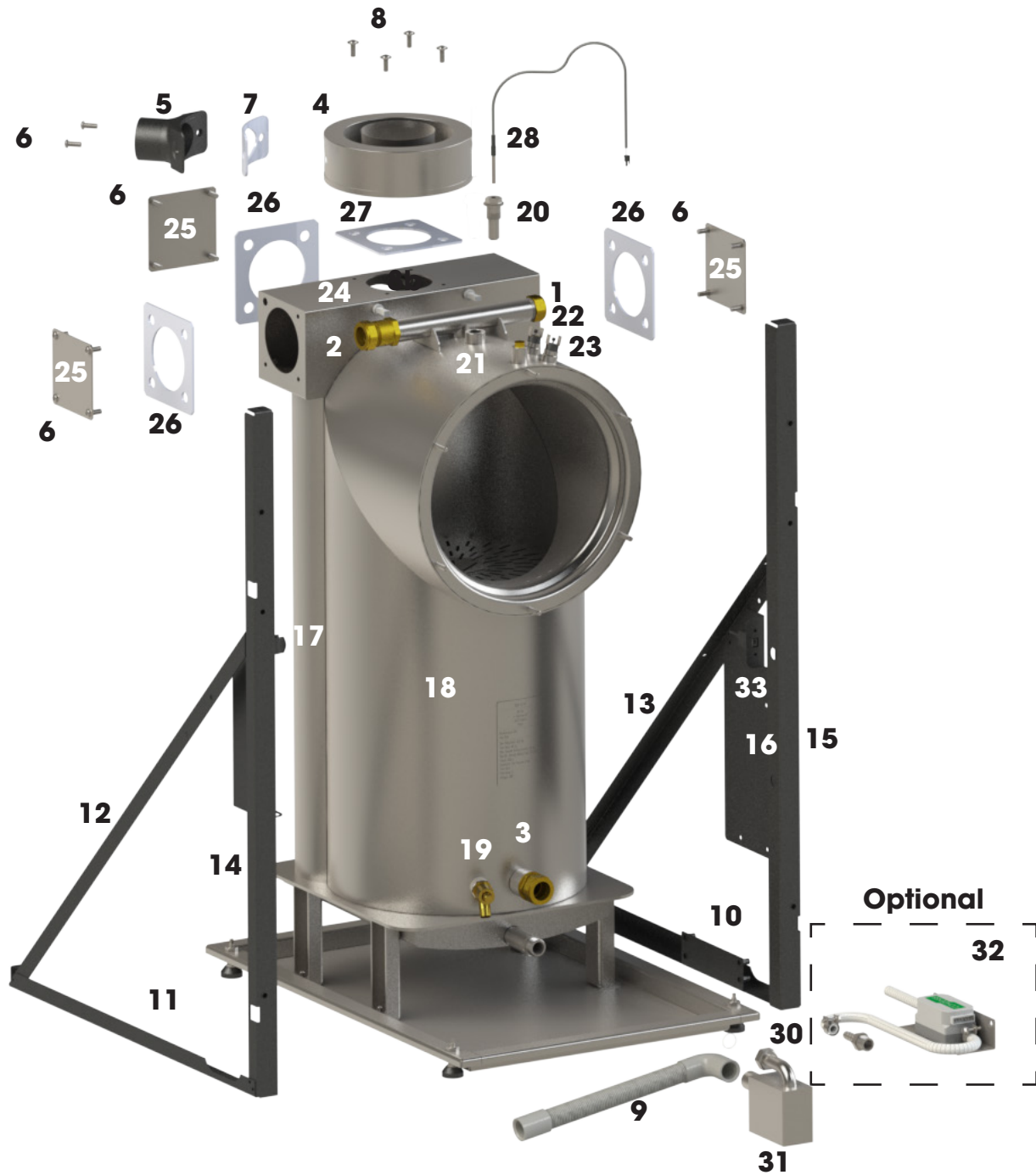


Fig. 5

Please refer to the next page to find spare part identification

Boiler Exploded Components View

Labelled Number	Part Number	Description
1	SS-ACCESS-001-01	3/4" BSP Stop Cap & Washer
2	SS-ACCESS-002-01	3/4" to 22mm Straight Compression Adaptor Female
3	SS-ACCESS-003-01	3/4" to 22mm Straight Compression Adaptor Male
4	SS-ACCESS-004-01	Air Intake Flue Adaptor
5	SS-ACCESS-005-01	Flue Air Adaptor Intake
6	SS-ACCESS-006-01	M6 x 16 Hex Socket SS Button Head
7	SS-ACCESS-008-01	Flue Air Adaptor Intake gasket
8	SS-ACCESS-018-01	M6 X 16 Hex Socket Flanged SS Button Head
9	SS-ACCESS-027-01	Condensate Flexi Pipe
10	SS-CASE-015-02	Right hand bottom frame BLACK
11	SS-CASE-016-02	Left hand bottom frame BLACK
12	SS-CASE-017-02	Left-Hand Angled Frame Support - BLACK
13	SS-CASE-018-02	Right-Hand Angled Frame Support - BLACK
14	SS-CASE-019-02	Left hand frame upright - BLACK
15	SS-CASE-020-02	Right hand frame upright - BLACK
16	SS-CASE-029-02	Controls Support plate - BLACK
17	SS-CASE-031-01	Nozzle Holder Service Support clip
18	SS-HEX-001-01	Heat Exchanger - 32kw + Tray
19	SS-HEX-002-01	1/2" BSP Drain Cock
20	SS-HEX-003-01	Thermostat Pocket
21	SS-HEX-004-01	Air Vent - 1/8" BSP PM
22	SS-HEX-005-01	Secondary Overheat Stat 110 degrees
23	SS-HEX-006-01	Primary Overheat Stat 95 degrees
24	SS-HEX-008-01	Flue Gas Analysis Silicon Plug
25	SS-HEX-009-01	HEX Flue Blanking Plates
26	SS-HEX-010-01	HEX Flue Blanking Gasket - Rubber 3mm
27	SS-HEX-010-04	HEX Flue Blanking Gasket - Rubber 3mm V2
28	SS-LOOM-009-01	PT sensor cable
29	SS-TRAP-006-02	Trap Union Nipple (Stainless Steel 316)
30	SS-TRAP-007-01	Trap Union PTFE Washer
31	SS-TRAPKIT-001-01	Condensate Trap
32	SS-TRAPPUMP-002-02	Condens8 Bolt on Kit
33	SS-WIRE-008-01	USB to USB Mini Extension lead 500mm

Boiler Exploded Casings View

Casings spare parts

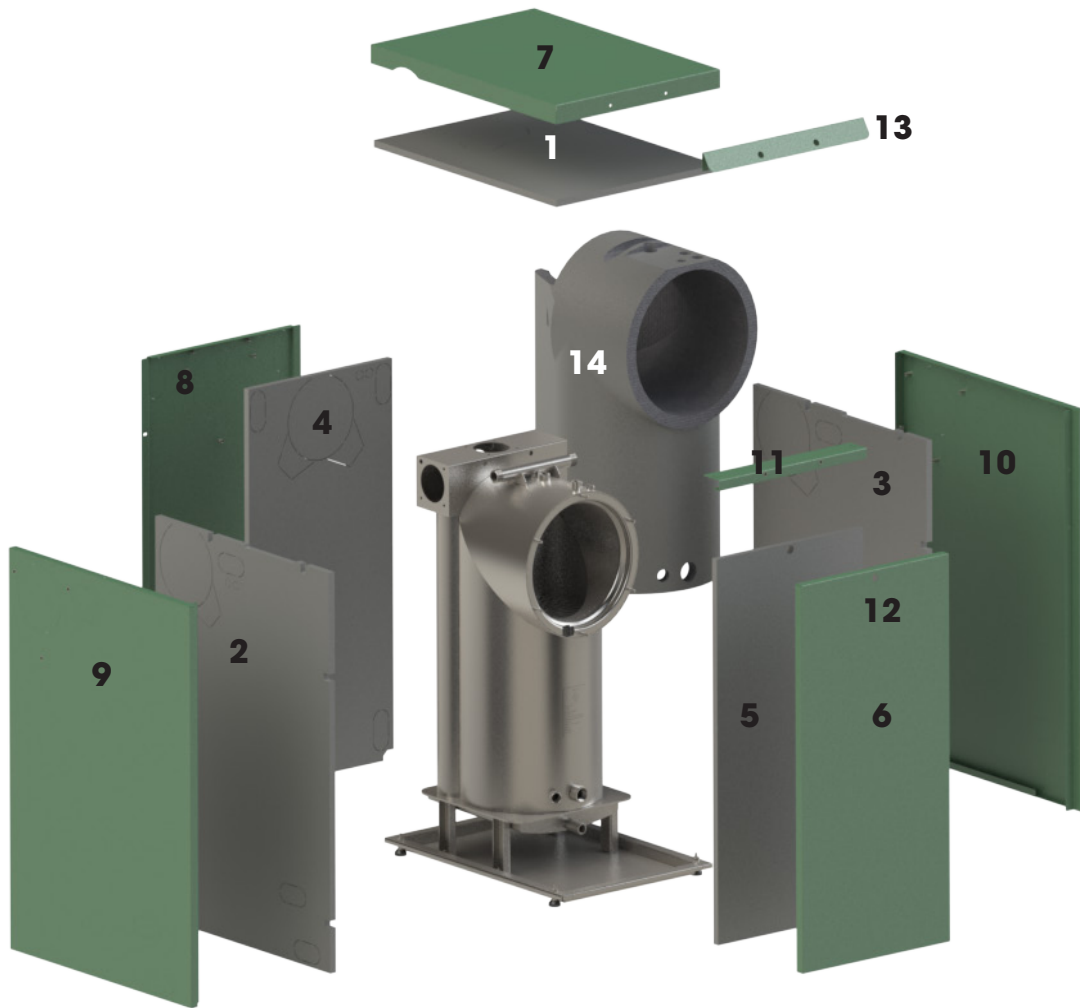


Fig. 6

Labelled Number	Part Number	Description
1	SS-CASE-001-02	Casing Acoustic (Top Casing)
2	SS-CASE-002-02	Casing Acoustic (Left Casing)
3	SS-CASE-003-02	Casing Acoustic (Right Casing)
4	SS-CASE-004-02	Casing Acoustic (Rear Casing)
5	SS-CASE-005-02	Casing Acoustic (Door Casing)
6	SS-CASE-021-02-EX	Boiler Casing Door - GREEN
7	SS-CASE-022-02-EX	Boiler Top Casing Panel - GREEN
8	SS-CASE-023-02-EX	Boiler Rear Casing Panel - GREEN
9	SS-CASE-024-02-EX	Boiler Left Casing Panel - GREEN
10	SS-CASE-025-02-EX	Boiler Right Casing Panel - GREEN
11	SS-CASE-039-02-EX	Boiler Locking Strut
12	SS-CASE-040-01-EX	Cam Lock Key
	SS-CASE-041-01-EX	Cam Lock
13	SS-CASE-043-01-EX	Rain Deflector Plate
14	SS-HEX-007-01	Heat Exchanger Insulation Jacket



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