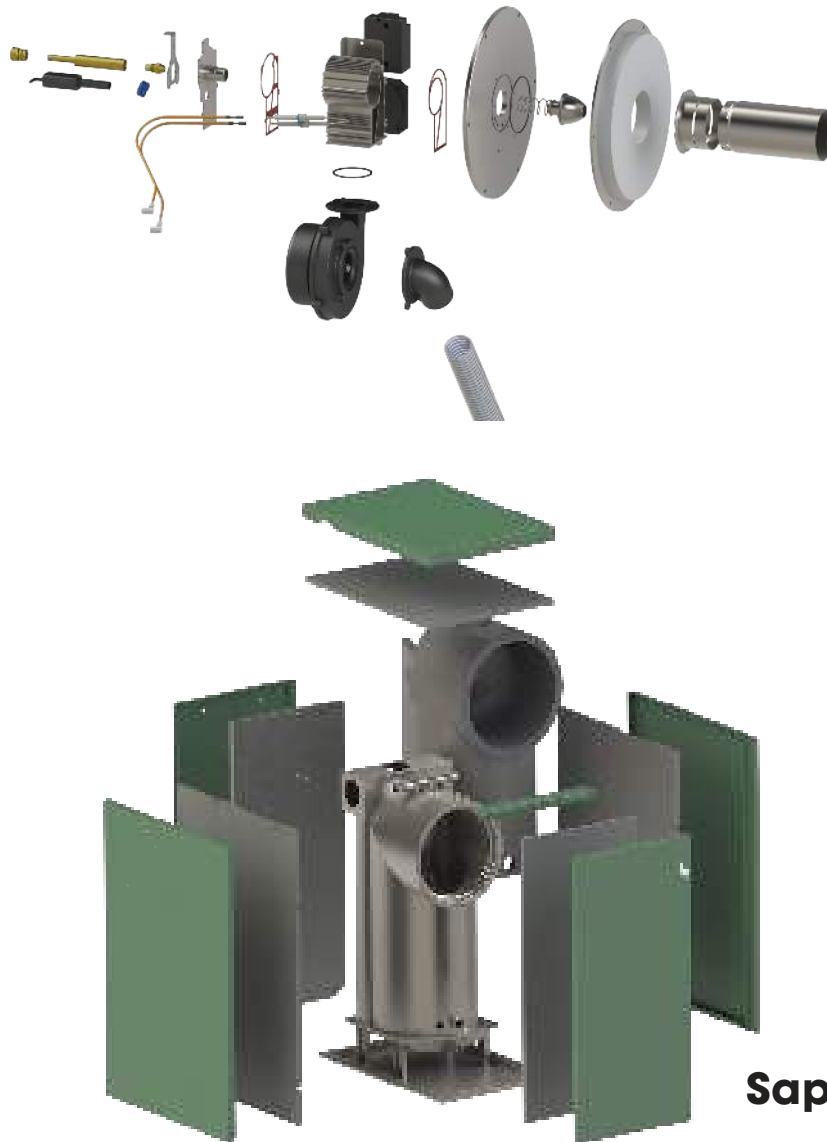


Sapphire[®]

Spare Parts Lists Sapphire External



Sapphire 6-32kW



Burner Exploded View



Fig. 42

Burner Exploded View

Labelled Number	Part Number	Description
1	SS-BURN-013-01	Nozzle Holder Adjuster
	SS-BURN-014-01	Nozzle Holder Locking Screw
	SS-BURN-015-01	Nozzle Holder O-Ring (21x6)
2	SS-BURN-012-01	Nozzle Holder
3	SS-WIRE-001-01	KLC20/24 24V DC Flame Detector with fixed 450 mm Cable
4	D01-030H8306	0.45 x 80 EH (23kW Version)
	D01-030H8310	0.55 x 80 EH (28kW Version)
	D01-030H8314	0.65 x 80 EH (32kW Version)
5	B14-0003	KLC Mounting Flange
6	SS-BURN-009-01	Nozzle Holder Locking Plate
7	SS-BURN-010-01	Air Pressure test point (incs seal)
	SS-BURN-043-01	Air pressure switch tubing (25cm)
8	SS-BURN-008-01	Fan Housing Plate
	SS-BURN-003-01	Sight Glass
	SS-BURN-004-01	Sight glass tube
9	E80-0601	HT-Leads (Sold Individually)
10	SS-BURN-007-01	Air box to housing plate sealing gasket
11	SS-BURN-005-01	Ignition electrode set
	SS-BURN-052-01	Electrode Rubber Washer
12	SS-BURN-006-01	Air Box 73mm
13	SS-CASE-027-01	Transformer Pr/Sw Bracket
14	SS-BURN-048-01	EBI Ignition Transformer 230v
15	H01-84444329	Air Pressure Switch DL2
	H01-75457584	Air Pressure Switch D2 Plastic Cover/Screw
16	SS-BURN-002-01	Air box to flange sealing gasket
17	SS-BURN-001-01	Flange Plate
18	SS-BURN-020-02	Graphite Seal - Blast Tube 27cm
19	SS-BURN-018-01	Nozzle Head Spring
20	SS-BURN-016-01	Nozzle head 16mm (23kW Version)
	SS-BURN-017-01	Nozzle head 19mm (28/32kW Version)
21	SS-BURN-031-01	Mounting flange gasket
22	SS-BURN-019-01	Blast tube base 1mm Slots
	SS-BURN-047-01	Blast tube base 3mm Slots
23	SS-BURN-021-01	Blast tube (100mm)
24	SS-BURN-044-01	Graphite Seal - Fan Seal (18cm)
25	SS-BURN-033-01	Fan Motor
26	SS-BURN-040-01	Fan Air Adaptor Intake
27	SS-ACCESS-007-02	Flexible Air Intake Hose (2m)

PCB Exploded Views

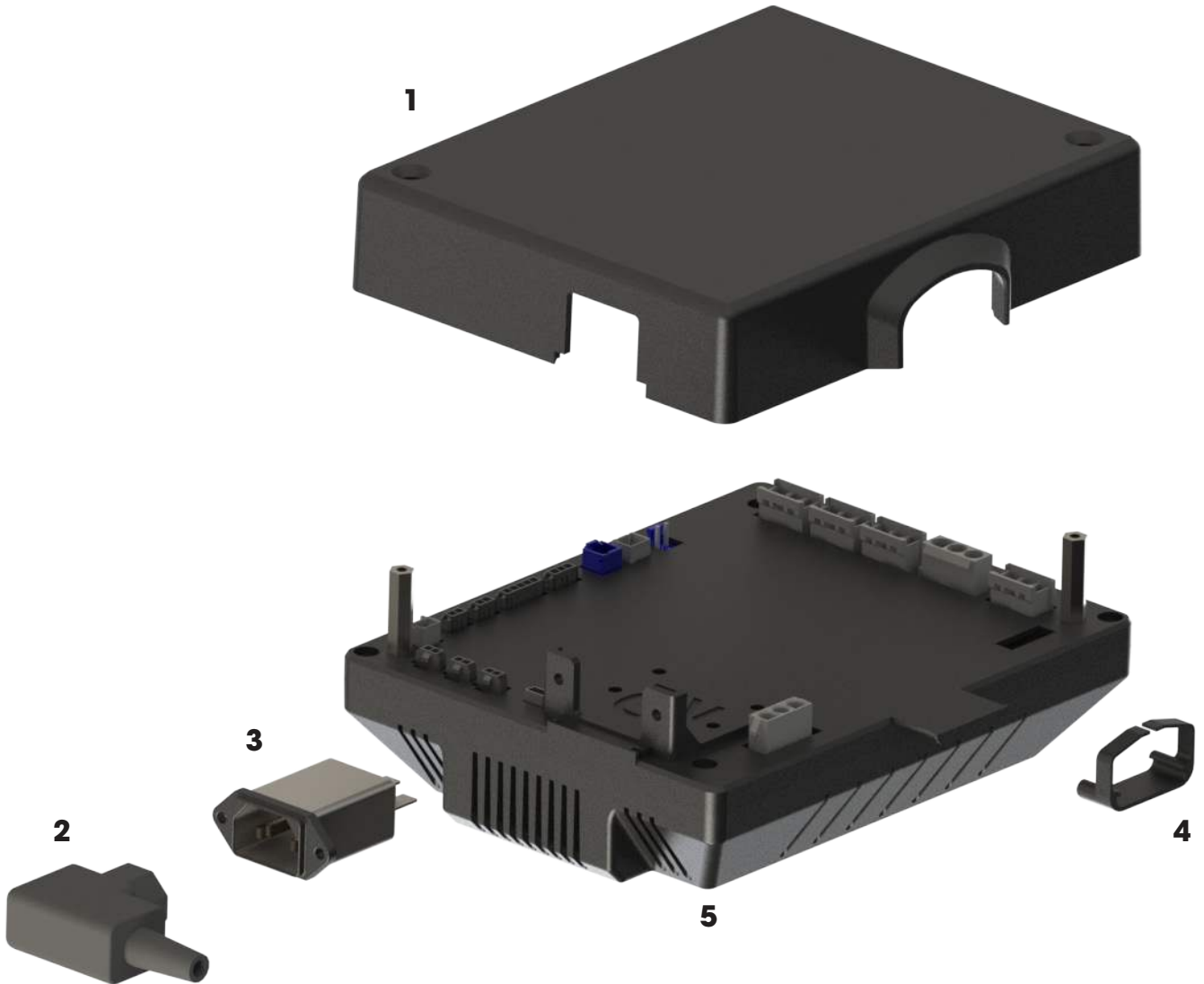


Fig. 2

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

Top Tray Exploded View

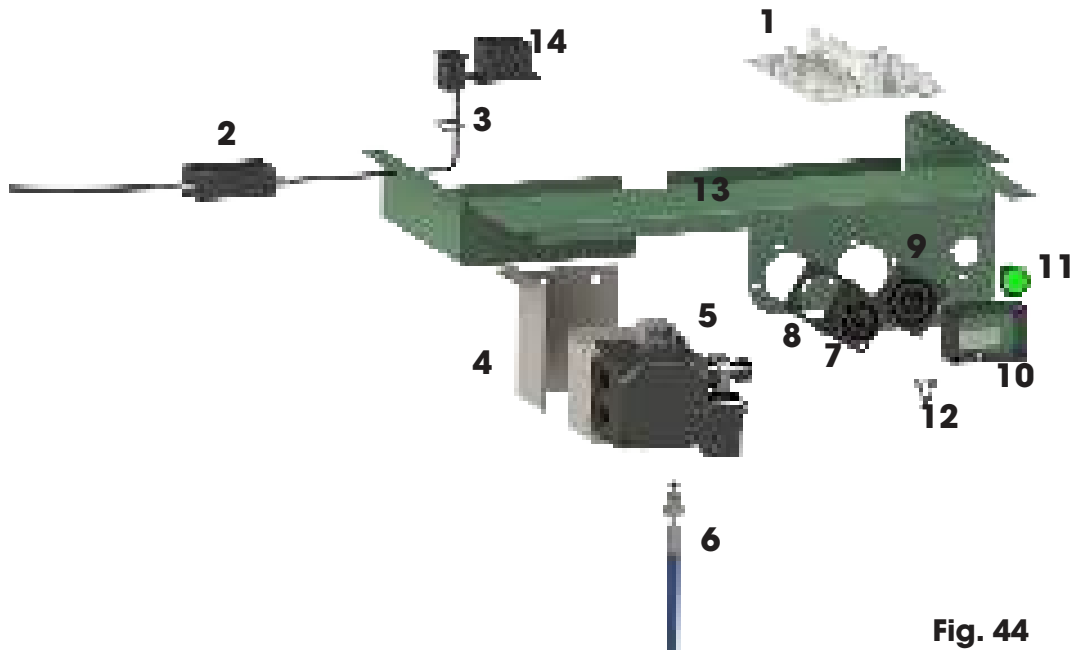


Fig. 44

Labelled Number	Part Number	Description
1	H01-42002116-002	Wiring centre – 10-way junction box
2	SS-WIRE-007-01	USB 5v Power Supply
3	SS-WIRE-009-01	Spacer for USB 5v Socket
4	SS-CASE-028-01	Pump Mounting Bracket - SS
5	D01-071N4106	BFPM61 Oil Pump
	D01-071N1006	BFPM61 Solenoid coil
	D01-071N4214	BFPM61 Motor lead
	D01-071N4215	BFPM61 Transducer lead
	SS-LOOM-010-01	BFPM61 Pump solenoid lead
6	SS-BURN-038-01	Flexible pipe
7	SS-LOOM-007-01	PCB to Fan Socket
	SS-LOOM-004-01	Fan Loom
8	SS-CASE-013-01	Bulking plug spacer
9	SS-LOOM-006-01	PCB to Burner Socket
	SS-LOOM-005-01	Burner Loom
10	SS-LCDKIT-001-03	LCD Display Kit
	SS-WIRE-006-01	Coiled USB Angled to Angled lead
11	SS-CASE-012-01	On/Off Switch
12	SS-HEX-015-01	1.3mm Spring clip for Fire Valve Sensor
13	SS-CASE-026-01-EX	Top Support Tray - GREEN
14	SS-RELAYKIT-001-01	Switched Live Relay kit

Oil Line Connections View



Fig. 45

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
3	SS-HEX-021-01	1/4" Male/Female Elbow
4	SS-HEX-020-01	1/4" BSP Tee M/F/M
5	SS-HEX-016-01	1/4" Male/Female Isolation Valve (Bio)

Boiler Exploded Components View

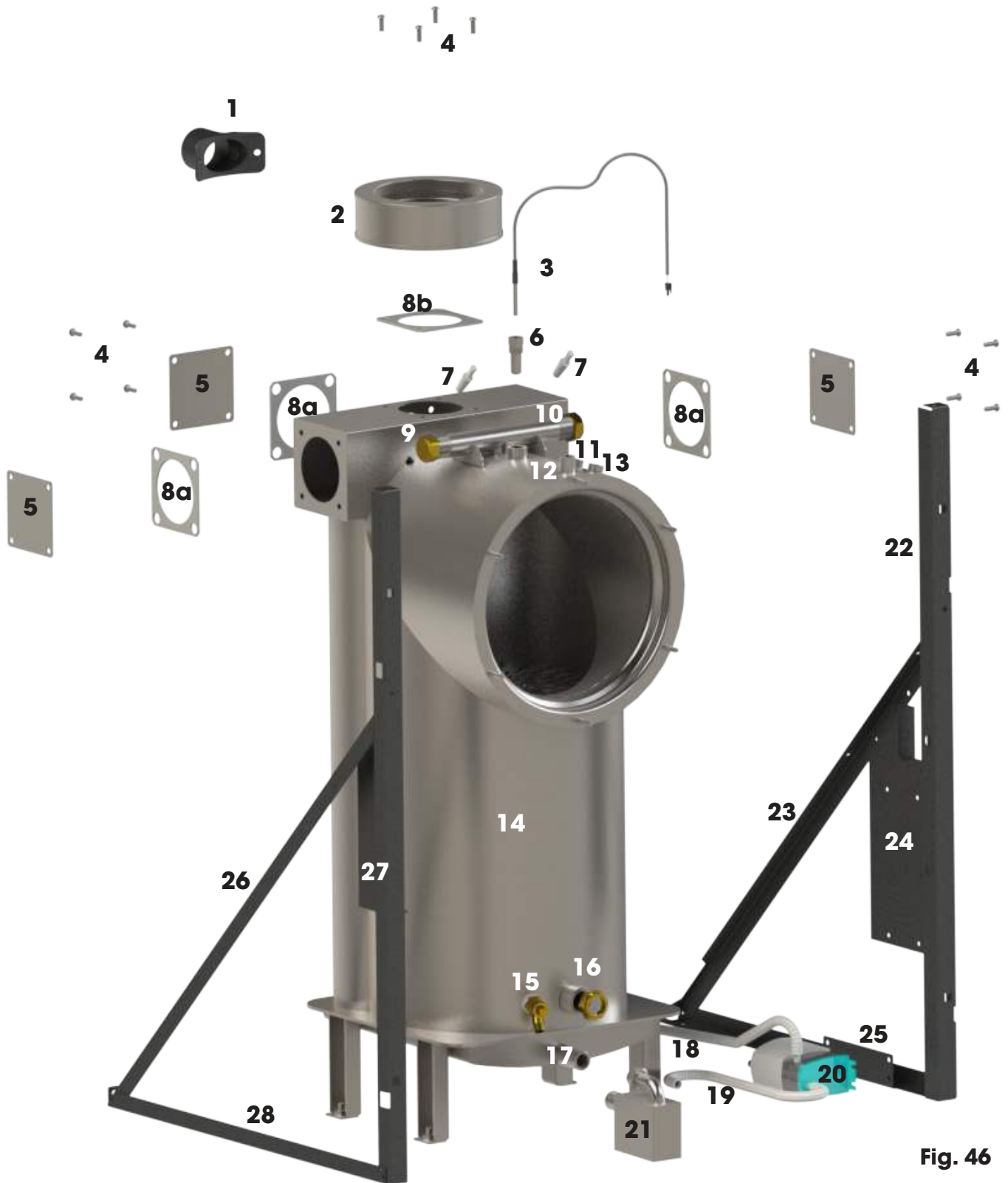


Fig. 46

Please refer to the next page to find spare part identification

Boiler Exploded Components View

Labelled Number	Part Number	Description
1	SS-ACCESS-005-01	Flue Air Adaptor Intake
	SS-ACCESS-006-01	M6 x 16 Hex Socket SS button bolts
	SS-ACCESS-008-01	Flue Air Adaptor Intake gasket
2	SS-ACCESS-004-01	Air Intake Flue Adaptor
3	SS-LOOM-009-01	PT sensor cable
4	SS-ACCESS-006-01	M6 x 16 Hex Socket SS button bolts
5	SS-HEX-009-01	HEX Flue Blanking Plates
6	SS-HEX-003-01	Thermostat Pocket
7	SS-HEX-008-01	Flue Gas Analysis Silicon Plug
8a	SS-HEX-010-01	HEX Flue Blanking Gasket - Rubber 3mm
8b	SS-HEX-010-04	HEX Flue Blanking Gasket - Rubber 3mm V2
9	SS-ACCESS-001-01	3/4" BSP Stop Cap & Washer
10	SS-ACCESS-002-01	3/4" to 22mm Straight Compression Adaptor Female
11	SS-HEX-005-01	Secondary Overheat Stat 110 degrees
12	SS-HEX-004-01	Air Vent - 1/8" BSP PM
13	SS-HEX-006-01	Primary Overheat Stat 95 degrees
14	SS-HEX-001-01	Heat Exchanger - 32kw + Tray
15	SS-HEX-002-01	1/2" BSP Drain Cock
16	SS-ACCESS-003-01	3/4" to 22mm Straight Compression Adaptor Male
17	SS-TRAP-006-02	Trap Union Nipple (Stainless Steel 316)
18	SS-TRAP-014-01	12mm OD (8mm ID) Condensate hose (200cm)
	SS-TRAP-004-01	10/12mm Pipe Clips (Pump clip)
19	SS-TRAP-003-01	12mm OD (8mm ID) Condensate hose (40cm)
	SS-TRAP-004-01	10/12mm Pipe Clips (Pump clip)
	SS-TRAP-005-01	12/14mm Pipe Clips (Trap clip)
20	SS-TRAPPUMP-002-01	Condense Pump Kit - Condens8 (Optional extra)
21	SS-TRAPKIT-001-01	Condensate Trap
	SS-TRAP-001-01	3/4" to 10mm Hose Adapter
	SS-TRAP-007-01	Trap Union PTFE Washer
22	SS-CASE-020-01	Right hand frame upright - BLACK
	SS-CASE-006-01	M5 Spring U Clip
	SS-CASE-009-01	M5 Cage Nut
23	SS-CASE-018-01	Right-Hand Angled Frame Support - BLACK
	SS-CASE-006-01	M5 Spring U Clip
24	SS-CASE-029-01	Controls Support plate - BLACK
	SS-WIRE-008-01	USB to USB Mini Extension lead 500mm
25	SS-CASE-015-01	Right hand bottom frame BLACK
	SS-CASE-006-01	M5 Spring U Clip
26	SS-CASE-017-01	Left-Hand Angled Frame Support - BLACK
27	SS-CASE-019-01	Left hand frame upright - BLACK
	SS-CASE-006-01	M5 Spring U Clip
	SS-CASE-009-01	M5 Cage Nut
	SS-CASE-031-01	Nozzle Holder Service Support clip
28	SS-CASE-016-01	Left hand bottom frame BLACK
	SS-CASE-006-01	M5 Spring U Clip

Boiler Exploded Casings View

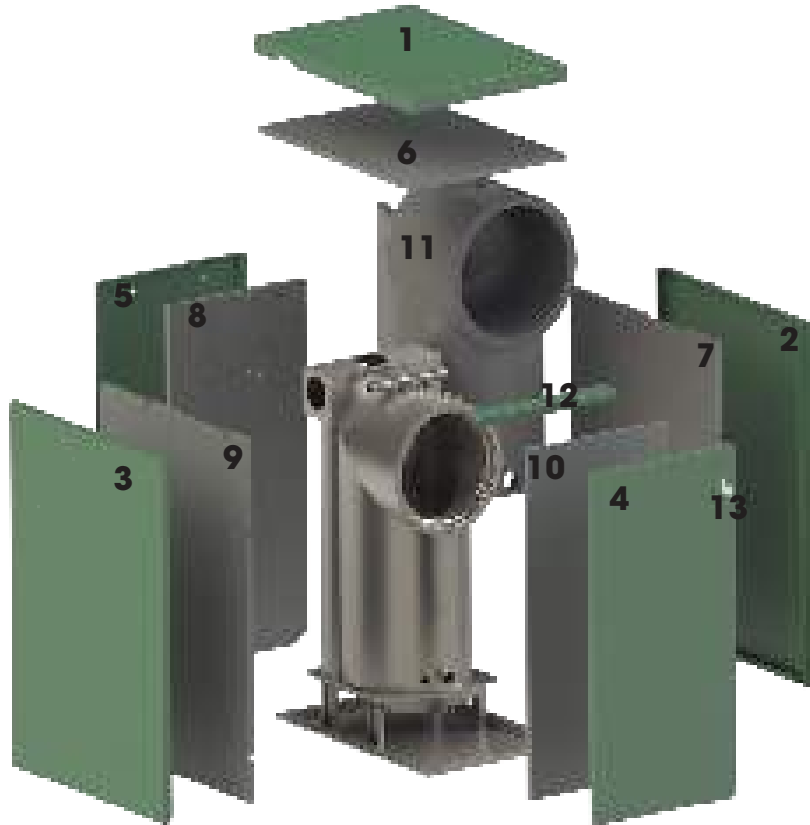


Fig. 47

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



EOGB Energy Products Ltd, 5 Howard Road, Eaton Socon, St Neots, Cambridgeshire PE19 8ET

Tel: 01480 477066 Fax: 01480 477022 Email: sales@sapphireboilers.co.uk
www.sapphireboilers.co.uk



www.youtube.com/EOGBenergyproducts



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