

Autioflame

Product Catalogue

AUTOFLAME®



Product Catalogue



Issued by:

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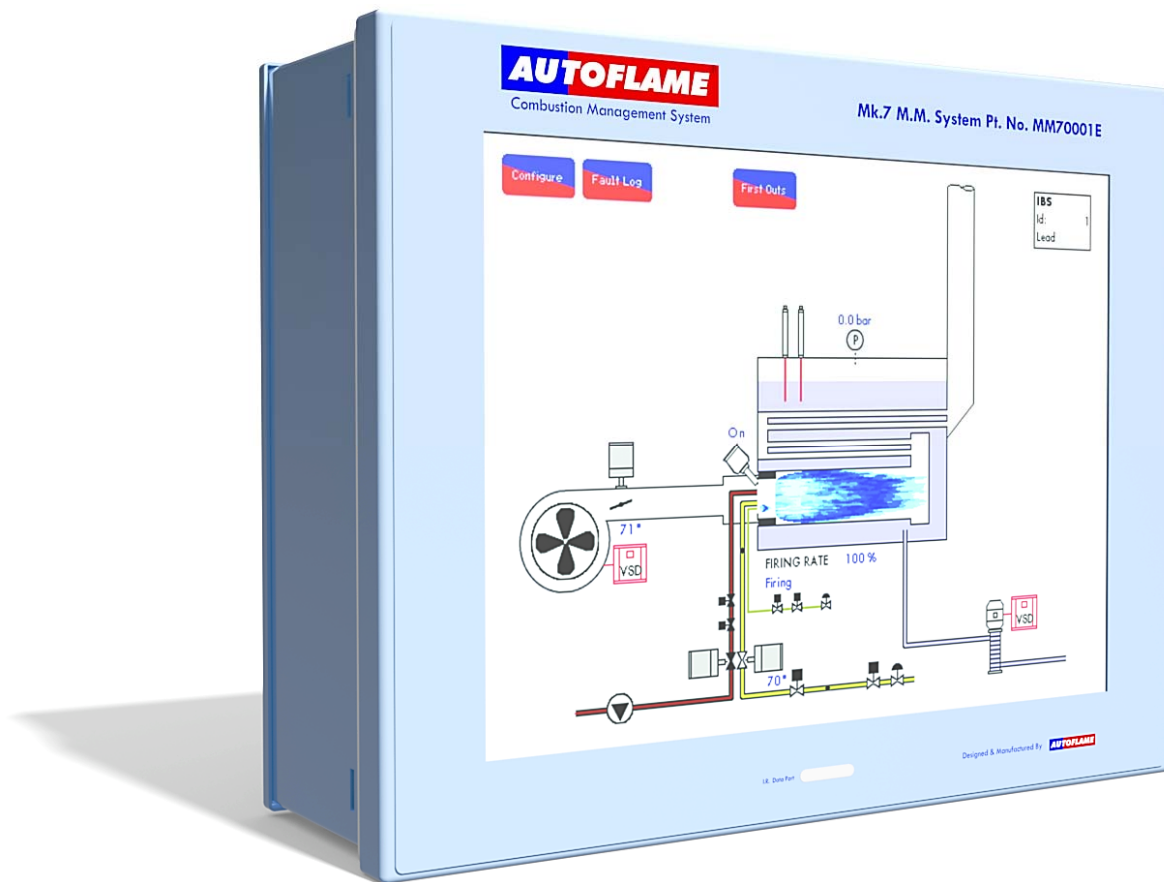
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1 M.M. Control Modules & Parts

1.1 M.M. Control Modules



Mk7 M.M.

Mk7 M.M. Electrical Specifications

Classification According to EN298 – F B L L J B

Mains Supply: 230V, +10%/-15% } 47 – 63 Hz, Unit max. power consumption 62W
120V, +10%/-15% }

Max Leakage: 3.5mA

Climate: Temperature 0 to +40°C (32 to 104°F)
Humidity 0 to 90% non-condensing

Storage: Temperature -20 to 85°C (-4 to 185°F)

Protection Rating: The unit is designed to be panel mounted in any orientation and the front facia is IP65, NEMA4. The back of the unit is IP20, NEMA1.

Item No.	M.M. Control Modules	Kgs	Part No.
1	Mk7 MM Evolution Module 6 Channel with flame safeguard control, 10.4" full colour touch screen	3.50	MM70001/E
2	Mk7 MM Evolution Module Expansion Board, water level capability, and first out annunciation	4.00	MM70001/E/EB
Mk7 Evolution voltage is universal (230V/110V)			



Mini Mk8 M.M.

Mini Mk8 M.M. Electrical Specifications

Mains Supply:	230V, +10%/-15% 120V, +10%/-15%}	47 - 63 Hz, Unit max. power consumption 140W
Climate:	Temperature Humidity	0 to +40°C (32 to 104°F) 0 to 90% non-condensing
Storage:	Temperature	-20 to 85°C (-4 to 185°F)
Protection Rating:	The unit is designed to be panel mounted in any orientation and the front facia is IP65, NEMA4. The back of the unit is IP20, NEMA1.	

Item No.	M.M. Control Modules	Kgs	Part No.
3	Mini Mk8 Evolution Module 4 Channel with flame safeguard, 7" full colour touch screen	2.50	MMM8002
Mini Mk8 M.M. voltage is universal (230/110V)			

1.2 Flame Scanners



IR Self Check Scanner

Item No.	Flame Scanners	Kgs	Part No.
4	IR Self Check Scanner <i>For use with Mk7 M.M. and Mini Mk8 M.M.</i>	0.20	MM70017

1 M.M. Control Modules & Parts



Self-Check UV Scanner, High Sensitivity, End View



Self-Check UV Scanner, High Sensitivity, Side View

Item No.	Flame Scanners	Kgs	Part No.
5	Self Check UV Scanner, High Sensitivity <i>End view only, 1" connection</i>	0.80	MM60003/HS
6	Self Check UV Scanner, High Sensitivity <i>Side view only</i>	0.85	MM60003/HS/SV



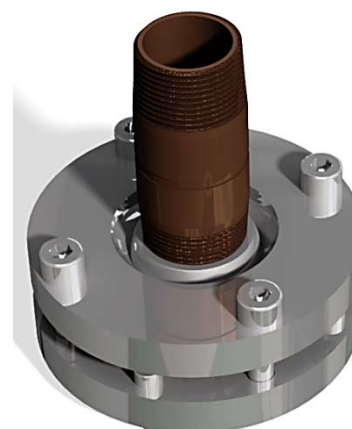
Standard UV Scanner, Side View



Standard UV Scanner, End View



Standard UV Scanner, High Sensitivity, End View



Swivel Mount Assembly, 1" connection

Item No.	Flame Scanners	Kgs	Part No.
7	Standard UV Scanner <i>Side view only, complete with clip and plate connection</i>	0.20	MM60004
8	Standard UV Scanner <i>End view only, 1/2" connection</i>	0.20	MM60004/U
9	Standard UV Scanner, High Sensitivity <i>End view only, 1/2" connection</i>	0.20	MM60004/HSU
10	Swivel Mount Assembly, 1" connection <i>Mounting adaptor for optimum positioning of UV scanner</i>	1.50	UVM60003
11	Swivel Mount Assembly, 1/2" connection <i>Mounting adaptor for optimum positioning of UV scanner</i>	1.50	UVM60004

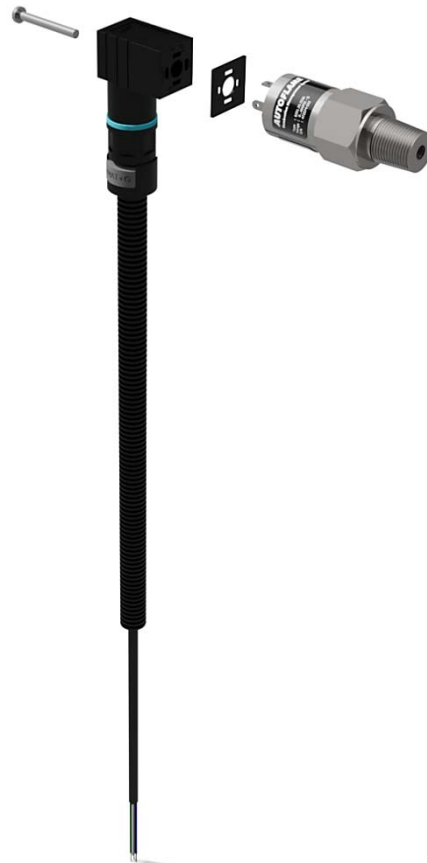
1.3 Air/Gas/Oil Sensors



Air Pressure Sensor

Item No.	Mk7 Air & Gas Sensors – For Mk7 and & Mk6 Modules	Kgs	Part No.
12	Air Pressure Sensor 0 to 65mBar, 0 to 25"wg, 0 to 1 PSI	0.42	MM70005
13	Air Pressure Sensor 0 to 130mBar, 0 to 50"wg, 0 to 2 PSI	0.42	MM70013
14	Gas Pressure Sensor 12.5 to 65mBar, 5 to 25"wg, 0.18 to 1PSI	0.42	MM70006
15	Gas Pressure Sensor 52 to 340mBar, 25 to 135"wg, 0.75 to 5 PSI	0.42	MM70008
16	Gas Pressure Sensor 115 to 750mBar, 50 to 300"wg, 1.8 to 11 PSI	0.42	MM70011
17	Gas Pressure Sensor 207 to 1380mBar, 83 to 550"wg, 3 to 20 PSI	0.42	MM70012
18	Gas Pressure Sensor 0 to 4 Bar, 162 to 1620"wg, 6 to 60 PSI	0.42	MM60014

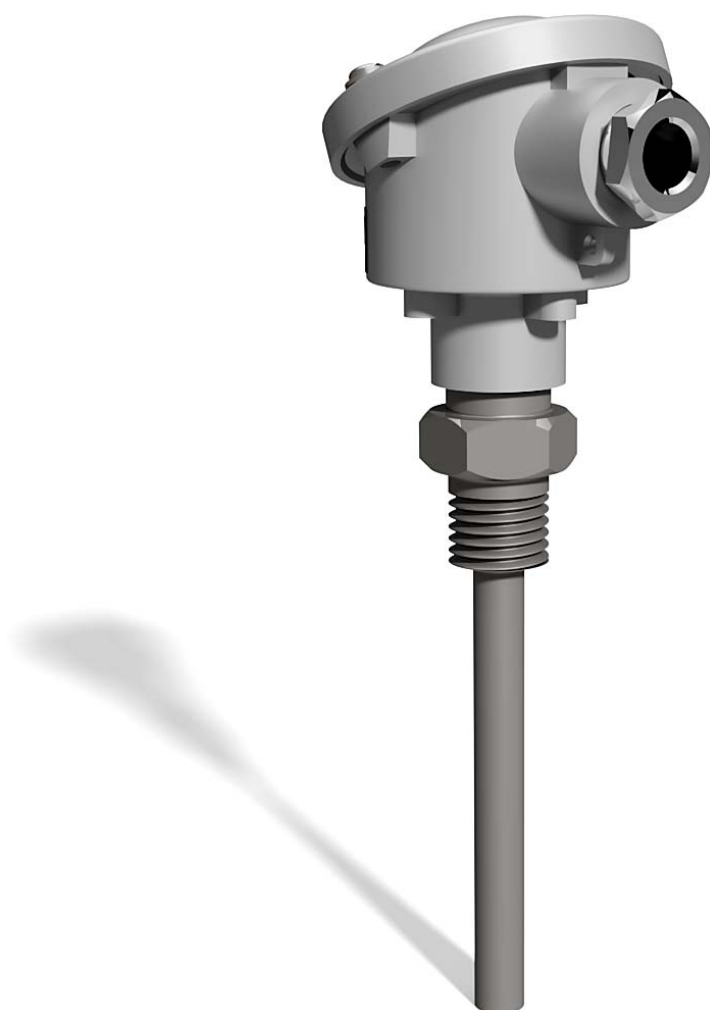
Item No.	Mk8 Air & Gas Sensors – For Mk8 and & Mk7 Modules	Kgs	Part No.
19	Air Pressure Sensor 0 to 65mBar, 0 to 25"wg, 0 to 1 PSI	0.42	MM80005
20	Air Pressure Sensor 0 to 130mBar, 0 to 50"wg, 0 to 2 PSI	0.42	MM80013
21	Gas Pressure Sensor 12.5 to 65mBar, 5 to 25"wg, 0.18 to 1PSI	0.42	MM80006
22	Gas Pressure Sensor 52 to 340mBar, 25 to 135"wg, 0.75 to 5 PSI	0.42	MM80008
23	Gas Pressure Sensor 115 to 750mBar, 50 to 300"wg, 1.8 to 11 PSI	0.42	MM80011
24	Gas Pressure Sensor 207 to 1380mBar, 83 to 550"wg, 3 to 20 PSI	0.42	MM80012



Oil Pressure Sensor

Item No.	Oil Sensor	Kgs	Part No.
25	Oil Pressure Sensor 0 to 40 Bar, 0 to 600 PSI	0.42	MM60009

1.4 Boiler Load Detectors – Temperatures



Temperature Detector

Item No.	Boiler Load Detectors - Temperature	Kgs	Part No.
26	Temp. Detector, 100mm length 0-400°C, 0-752°F	0.45	MM10006/100
27	Temp. Detector, 150mm length 0-400°C, 0-752°F	0.45	MM10006/150
28	Temp. Detector, 200mm length 0-400°C, 0-752°F	0.45	MM10006/200
29	Temp. Detector, 250mm length 0-400°C, 0-752°F	0.45	MM10006/250
30	Temp. Detector, 400mm length 0-400°C, 0-752°F	0.45	MM10006/400
31	Temp. Detector, 4" length With a ½" electrical conduit adaptor. 0-400°C, 0-752°F	0.45	MM10006/100U
32	Temp. Detector, 6" length With a ½" electrical conduit adaptor. 0-400°C, 0-752°F	0.45	MM10006/150U
33	Temp. Detector, 8" length With a ½" electrical conduit adaptor. 0-400°C, 0-752°F	0.45	MM10006/200U
34	Temp. Detector, 10" length With a ½" electrical conduit adaptor. 0-400°C, 0-752°F	0.45	MM10006/250U
35	Temp. Detector 15" length With a ½" electrical conduit adaptor. 0-400°C, 0-752°F	0.45	MM10006/400U

1.5 Boiler Load Detectors – Pressures



Pressure Detector

Item No.	Boiler Load Detectors - Temperature	Kgs	Part No.
36	Pressure Detector 2-23Bar	0.21	MM10008
37	Pressure Detector 2-38Bar	0.21	MM10009
38	Pressure Detector 0.2-3.8Bar	0.21	MM10010
39	Pressure Detector 0-100Bar	0.21	MM10017
40	Pressure Detector 30-330PSI	0.21	MM10008/U
41	Pressure Detector 50-550PSI	0.21	MM10009/U
42	Pressure Detector 1.5-55.0PSI	0.21	MM10010/U
43	Pressure Detector 0-1450PSI	0.21	MM10017/U
44	Lead for Pressure Detector	0.10	LEAD10001
Pressure detectors are supplied with a plug fitted and are not supplied with a lead. This is a separate part number LEAD10001.			

1.6 Outside Temperature Control



Outside Temperature Sensor



Outside Temperature Module

Item No.	Outside Temperature Control	Kgs	Part No.
45	Outside Temperature Sensor -40 to +40°C/ -40 to +104°F	0.32	MM60007
46	Mk6 Outside Temperature Module For use with Mk6 DTI (DTI60100)	1.00	MM60015
47	Mk7 Outside Temperature Module For use with Mk7 DTI (DTI70100)	1.00	MM70015

1.7 Servo Motors



Small Servomotor



Large Servomotor



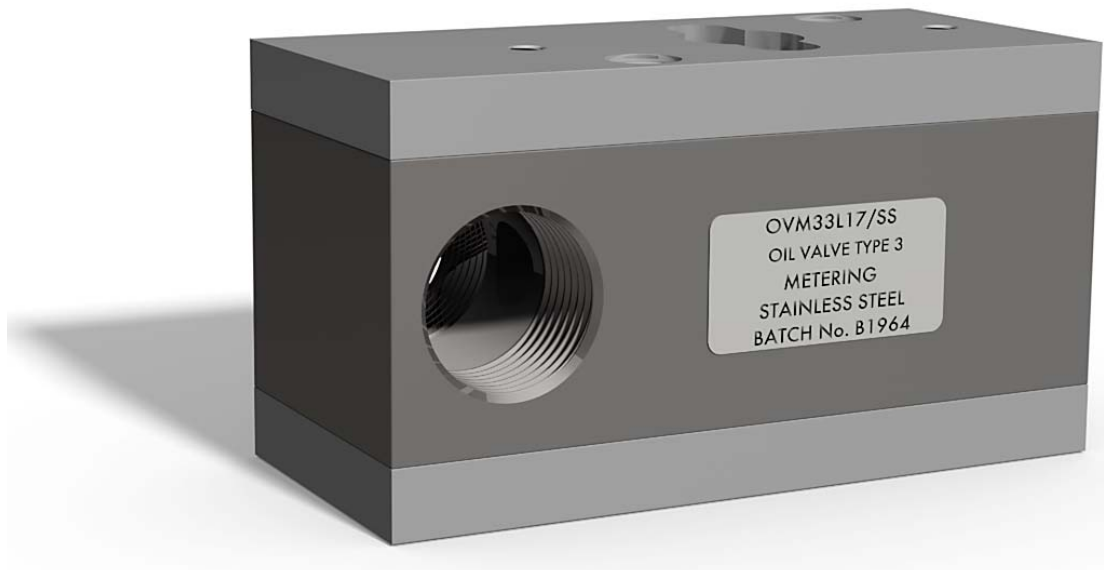
Industrial Servo Motor

Item No.	Servo Motors	Kgs	Part No.
48	Small Servo Motor, 230V 50Hz 4Nm, 3ft lbs	0.55	MM10005
49	Small Servo Motor, 24V 50Hz 4Nm, 3ft lbs	0.55	MM10005/C
50	Small Servo Motor, 24V 60Hz 4Nm, 3ft lbs	0.55	MM10005/D
51	Large Servo Motor, 230V 50/60Hz 25Nm, 18ft lbs	1.85	MM10004
52	Large Servo Motor, 24V 50/60Hz 25Nm, 18ft lbs	1.85	MM10004/D
53	Industrial Servo Motor 05, 230V 50/60Hz 40Nm, 37ft lbs (for feed water control only)	4.00	MM10070
54	Industrial Servo Motor 05, 110V 50/60Hz 40Nm, 37ft lbs (for feed water control only)	4.00	MM10070/110
55	Industrial Servo Motor 10, 230V 50/60 Hz 98Nm, 72ft lbs	6.00	MM10072
56	Industrial Servo Motor 10, 110V 50/60Hz 98Nm, 72ft lbs	6.00	MM10072/110
57	Industrial Servo Motor 20, 230V 50/60Hz 200Nm, 148ft lbs	6.00	MM10074/B
58	Industrial Servo Motor 20, 120V 50/60Hz 200Nm, 148ft lbs	6.00	MM10074/B/110
59	Industrial Servo Motor 40, 230V 50/60Hz 400Nm, 295ft lbs – to be used with Solid State Relays	8.00	MM10078
60	Industrial Servo Motor 40, 110V 50/60Hz 400Nm, 295ft lbs – to be used with Solid State Relays	8.00	MM10078/110
61	Industrial Servo Motor 40, 230V (4-20mA) 50/60Hz 200Nm, 148ft lbs (for use with the Mk7 on channel 5/6)	6.00	MM10079/110
62	Industrial Servo Motor 40, 110V (4-20mA) 50/60Hz 400Nm, 205ft lbs (for use with the Mk7 on channel 5/6)	8.00	MM10080/110
Please note voltage and frequency (Hz). Servo motors are not supplied as standard with mounting kits, only mounting screws are supplied.			

1.8 Oil Control Valves



Type 3 – Spillback/By-pass Oil Control Valve



Type 3 – Metering/Simplex Oil Control Valve



Type 2 – Spillback/By-pass Oil Control Valve



Type 2 – Metering/Simplex Oil Control Valve

Item No.	Oil Control Valves	Kgs	Part No.
63	Type 1 – Spillback/By-pass	0.60	OVS31015
64	Type 1 – Metering/Simplex	0.60	OVM31015
65	Type 2 – Spillback/By-pass	0.60	OVS32016
66	Type 2 – Metering/Simplex	0.60	OVM32016
67	Type 3 – Spillback/By-pass	1.80	OVS33L17
68	Type 3 – Metering/Simplex	1.80	OVM33L17
69	Type 4 – Spillback/By-pass	1.80	OVS34L18
70	Type 4 – Metering/Simplex	1.80	OVM34L18
71	Type 5 – Spillback/By-pass	0.50	OVS35019
72	Type 5 – Metering/Simplex	0.50	OVM35019
73	Type 6 – Spillback/By-pass	0.50	OVS36020
74	Type 6 – Metering/Simplex	0.50	OVM36020
75	Type 8 – Spillback/By-pass	0.50	OVS38022
76	Type 8 – Metering/Simplex	0.50	OVM38022
77	Type 9 – Spillback/By-pass	0.50	OVS39023
78	Type 9 – Metering/Simplex	0.50	OVM39023
<i>Stainless steel body with stainless bobbin and Viton O rings fitted as standard. On certain applications other materials may be required. Please contact Autoflame for more information. All valves are fitted with an NPT thread.</i>			

1.9 Gas Control Butterfly Valves (Threaded)



3" Gas Control Butterfly Valve (Threaded) with Small Servomotor

Item No.	Gas Control Butterfly Valves (Threaded)	Kgs	Part No.
79	BSP 25mm (1")	0.55	GV42521
80	BSP 40mm (1.5")	0.70	GV44022
81	BSP 50mm (2")	0.74	GV45023
82	BSP 65mm (2.5")	0.85	GV46524
83	BSP 80mm (3")	0.98	GV48025
84	BSP 100mm (4")	1.00	GV410026
85	NPT 25mm (1")	0.55	GV42421U
86	NPT 40mm (1.5")	0.70	GV44022U
87	NPT 50mm (2")	0.74	GV45023U
88	NPT 65mm (2.5")	0.85	GV46524U
89	NPT 80mm (3")	0.98	GV48025U
90	NPT 100mm (4")	1.00	GV410026U
Valve body manufactured from aluminium. Other materials available on request. Butterfly disc and drive manufactured from 316 Stainless Steel as standard.			

1.10 Gas Control Butterfly Valves (Flanged 30mm)

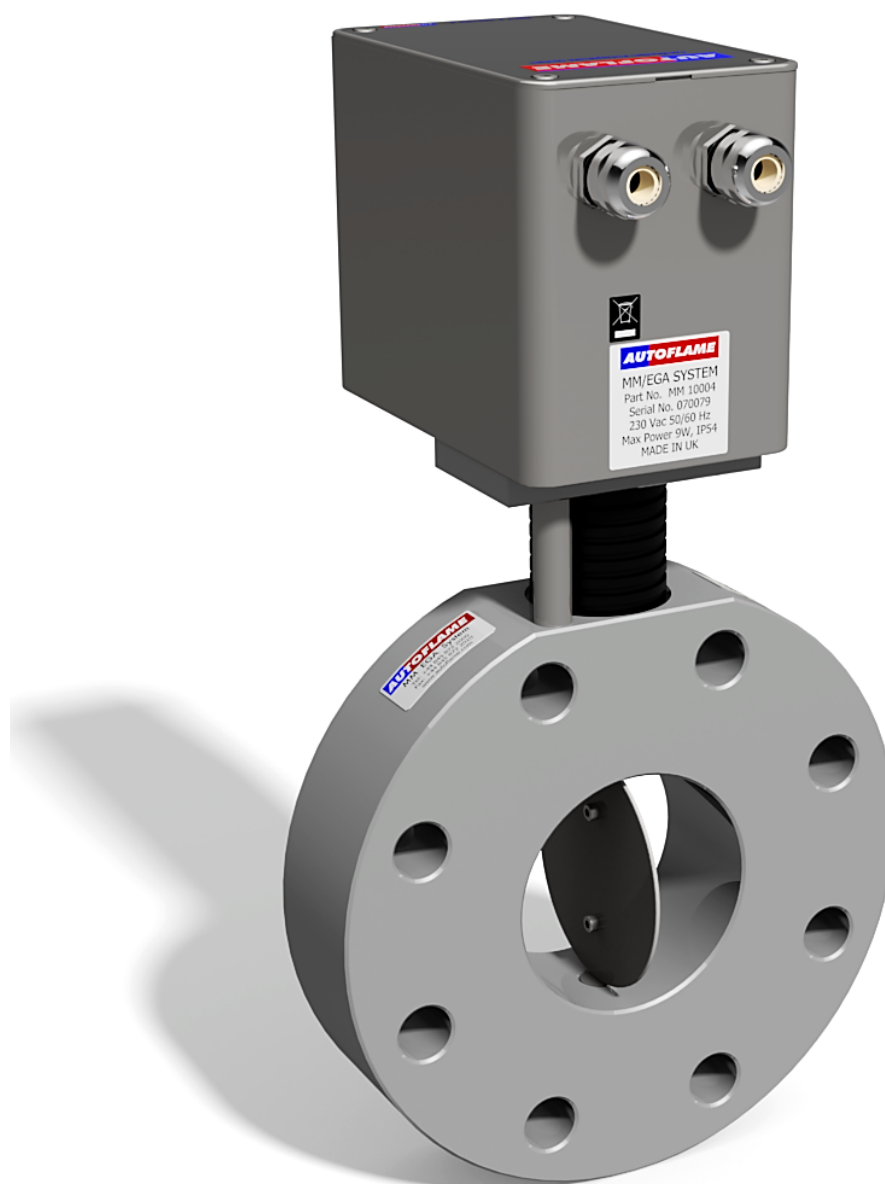


Gas Control Butterfly Valve (Flanged 30mm) with Small Servomotor

Item No.	Gas Control Butterfly Valves (Threaded)	Kgs	Part No.
91	PN16 65mm (2.5")	5.00	GVF46526/30
92	PN16 80mm (3")	6.00	GVF48027/30
93	PN16 100mm (4")	7.00	GVF410026/30
94	PN16 125mm (5")	8.00	GVF12527/30
95	PN16 150mm (6")	9.00	GVF415028/30
96	ANSI 150lb 65mm (2.5")	5.00	GVF46526/30U
97	ANSI 150lb 80mm (3")	6.00	GVF48027/30U
98	ANSI 150lb 100mm (4")	7.00	GVF410026/30U
99	ANSI 150lb 125mm (5")	8.00	GVF12527/30U
100	ANSI 150lb 150mm (6")	9.00	GVF415028/30U

*Valve body manufactured from aluminium. Other materials available on request.
Butterfly disc and drive manufactured from 316 Stainless Steel as standard.*

1.11 Gas Control Butterfly Valves (Flanged 50mm)



Gas Control Butterfly Valve (Flanged 50mm) with Large Servomotor

Item No.	Gas Control Butterfly Valves (Threaded)	Kgs	Part No.
101	PN16 65mm (2.5")	9.00	GVF46526/50
102	PN16 80mm (3")	10.00	GVF48027/50
103	PN16 100mm (4")	11.00	GVF410026/50
104	PN16 125mm (5")	12.00	GVF12527/50
105	PN16 150mm (6")	13.00	GVF415028/50
106	ANSI 150lb 65mm (2.5")	9.00	GVF46526/50U
107	ANSI 150lb 80mm (3")	10.00	GVF48027/50U
108	ANSI 150lb 100mm (4")	11.00	GVF410026/50U
109	ANSI 150lb 125mm (5")	12.00	GVF12527/50U
110	ANSI 150lb 150mm (6")	13.00	GVF415028/50U
Valve body manufactured from aluminium. Other materials available on request. Butterfly disc and drive manufactured from 316 Stainless Steel as standard.			

2 E.G.A. Modules & Parts

2.1 E.G.A. Components



Mk8 Exhaust Gas Analyser

Technical Specifications

Electrical Supply:	230/110V 50/60Hz
Power:	160W
Max Power Consumption:	225W
Fuse Rating:	4A
Pump Flow:	110 120mBar, 600mL/min
Environmental Rating:	IP20, NEMA 1
Surrounding Temperature Range:	5°C (40°F) – 40°C (104°F)



E.G.A. Sampling Probe



External Particulate Filter

Item No.	E.G.A. Components	Kgs	Part No.
111	Mk8 E.G.A. Sampling Unit O ₂ , CO ₂ , CO & NO analyser, 10.4" full colour touch screen	11.00	MM82004
112	Mk8 E.P.A. E.G.A. Sampling Unit MM820004, EPA Compliant, Self-Cal Box & Heated Sample	13.00	MM82004/EPA
113	Mk8 M.C.E.R.T. E.G.A. Sampling Unit* MM82004, MCERT's approval	13.00	MM82004/MCERT
114	Mk8 E.G.A. Sampling Unit Standard EGA with only CO ₂ cell fitted, no SO ₂ or NO ₂ cells	11.00	MM82004/NC
115	Mk7 E.G.A. SO ₂ Sensor Factory fitted and calibrated, price to be added to E.G.A. price	0.20	EGA80008
116	Mk7 E.G.A. NO ₂ Sensor Factory fitted and calibrated, price to be added to E.G.A. price	0.20	EGA80009
117	Mk7 E.G.A. Air Inlet Filter Filter assembly includes filter material	2.00	EGA80106
118	E.G.A. Mk7 Sampling Probe (0-400°C or 32-752°F) Flue gas sampling probe and thermocouple	1.00	MM10033
119	Chilled E.G.A. Enclosure Front mounted chiller unit to keep E.G.A. cool, excluding E.G.A.		EGAENC
120	E.G.A. External Particulate Filter with drain solenoid E.G.A. must be returned to office to fit EGA20103/D	2.00	EGA20103/D

*The MCERTs M87 E.G.A. Sampling unit will be available upon completion of testing and certification. For further information please contact Autoflame.

Sampling probes can be manufactured with a longer length if required. Please contact Autoflame for a price and lead time.

Ceramic sampling probe available on request. Please contact Autoflame for a price and lead time. Heated and plain enclosures available. Please contact Autoflame for pricing.

For the EPA and MCERT E.G.A.'s a Heated Sampling Line will be supplied at a standard length of 3m (10ft). Longer lengths are available, please contact Autoflame for pricing.

3 D.T.I. Modules & Parts

3.1 Remote Monitoring and Control



Mk7 D.T.I.

Mains Supply:	230V, +10%/-15%} 120V, +10%/-15%}	47 – 63 Hz, Unit max. power consumption 184W
Climate:	Temperature Humidity	0 to +40°C (32 to 104°F) 0 to 90% non-condensing
Storage:	Temperature	-20 to 85°C (-4 to 185°F)
Protection Rating:	The unit is designed to be panel mounted in any orientation and the front facia is IP65, NEMA4. The back of the unit is IP20, NEMA1.	

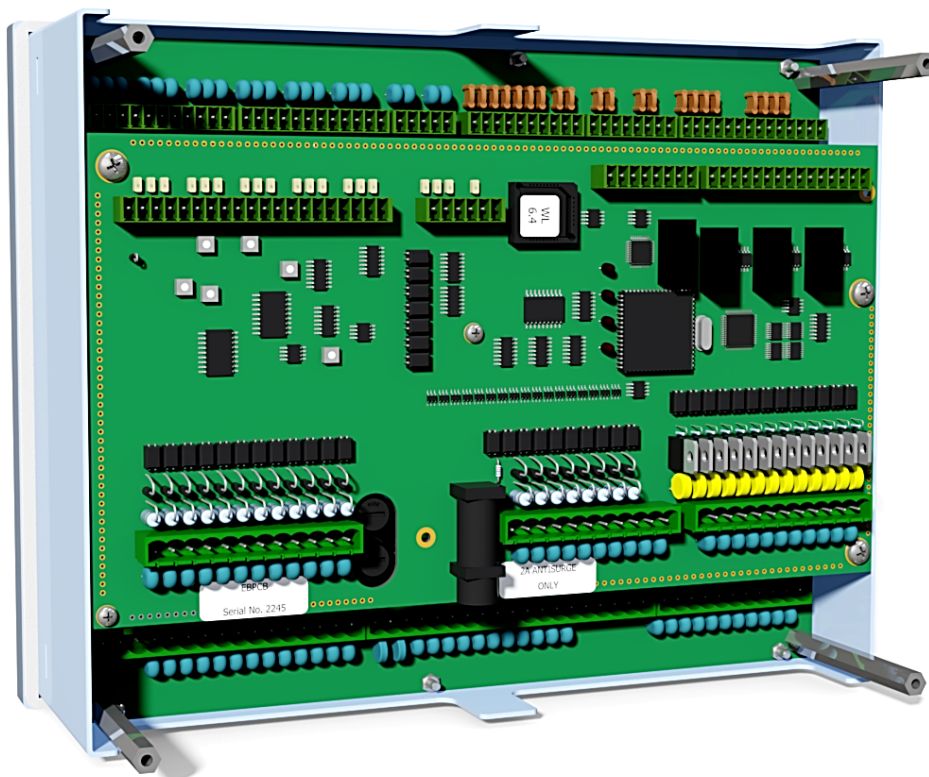
Item No.	D.T.I. Data Transfer Interface Modules	Kgs	Part No.
121	Mk7 D.T.I. System Package <i>Ethernet + Modbus , CEMS Supervisor Software</i>	3.50	DTI70100
122	Mk7 I/O Module <i>6 x 4-20mA I/O, 16 x 230/110V Inputs, 8 x volt free contacts</i>	1.00	DTI70022
<i>Mk7 DTI & Mk7 I/O Module Voltage is universal (230/110V)</i>			

3.2 PC Software and Accessories

Item No.	PC Software and Aecessories	Kgs	Part No.
123	Mk7 D.T.I. CEMS Manager Software <i>Licence for CEMS Manager Software</i>	0.25	DTI70101
124	MM Infrared Upload/Download Software and IR Lead <i>Service and commissioning aid & first out annunciation setup</i>	0.13	MM60010

4 Water Level Control

4.1 Water Level Control Equipment



Mk7 Expansion Board

Item No.	Water Level Control Equipment	Kgs	Part No.
125	Mk7 Expansion Board <i>Supplied with expansion board software only</i>	0.55	EB70001
126	Mk7 Expansion Board & Enclosure Mounting Kit <i>With housing & pillars, supplied with expansion board software</i>	0.75	EB70002
127	Temp. Detector, 100mm length 0-400°F	0.45	MM10006/100
128	Temp. Detector, 150mm length 0-400°F	0.45	MM10006/150
129	Temp. Detector, 200mm length 0-400°F	0.45	MM10006/200
130	Temp. Detector, 250mm length 0-400°F	0.45	MM10006/250
131	Temp. Detector, 400mm length 0-400°F	0.45	MM10006/400
132	Temp. Detector, 4" length <i>With a ½" electrical conduit adaptor. 0-752°F</i>	0.45	MM10006/100U
133	Temp. Detector, 6" length <i>With a ½" electrical conduit adaptor. 0-752°F</i>	0.45	MM10006/150U
134	Temp. Detector, 8" length <i>With a ½" electrical conduit adaptor. 0-752°F</i>	0.45	MM10006/200U
135	Temp. Detector, 10" length <i>With a ½" electrical conduit adaptor. 0-752°F</i>	0.45	MM10006/250U
136	Temp. Detector, 15" length <i>With a ½" electrical conduit adaptor. 0-752°F</i>	0.45	MM10006/400U

4.2 Steam Boiler Capacitance Probes



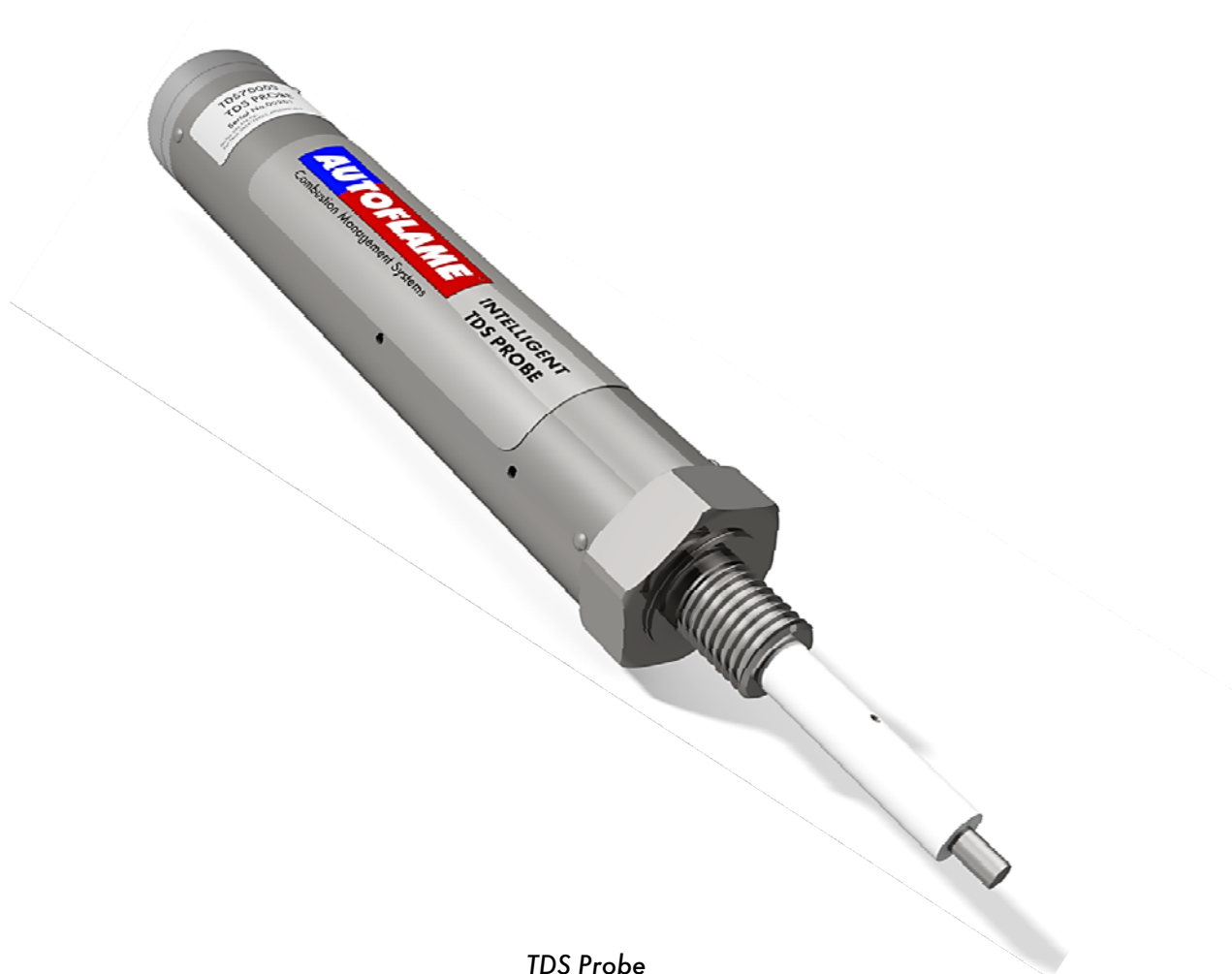
Capacitance Probe



Capacitance Probe – Internal View

Item No.	Steam Boiler Capacitance Probes	Kgs	Part No.
137	Capacitance Probe 20" (500mm) <i>Supplied with 2m (6ft) flying lead</i>	1.50	WLCP500
138	Capacitance Probe 30" (750mm) <i>Supplied with 2m (6ft) flying lead</i>	1.50	WLCP750
139	Capacitance Probe 40" (1000mm) <i>Supplied with 2m (6ft) flying lead</i>	1.50	WLCP1000
140	Capacitance Probe 50" (1250mm) <i>Supplied with 2m (6ft) flying lead</i>	1.50	WLCP1250
141	Capacitance Probe 60" (1500mm) <i>Supplied with 2m (6ft) flying lead</i>	1.50	WLCP1500
<i>Additional capacitance probe lengths are available upon request. Please contact Autoflame for price and availability.</i>			

4.3 Total Dissolved Solids Equipment



TDS Probe

Item No.	Total Dissolved Solids Equipment	Kgs	Part No.
142	TDS Management, 230V <i>With complete assembly, including probe and solenoid valve</i>	3.00	TDS70001
143	TDS Management, 110V <i>With complete assembly, including probe and solenoid valve</i>	3.00	TDS70001/110
144	TDS Management, Modulating, 230V, 1/2" <i>With complete assembly, including probe, 1.2" modulating valve, 230V servomotor</i>	3.00	TDS70001/M15
145	TDS Management, Modulating 230V, 3/4" <i>With complete assembly, including probe, 3/4" modulating valve, 230V servomotor</i>	3.00	TDS70001/M20
146	TDS Management, Modulating 24V, 1/2" <i>With complete assembly, including probe, 3/4" modulating valve, 24V servomotor</i>	3.00	TDS70001/M15/D
147	TDS Management, Modulating 24V, 3/4" <i>With complete assembly, including probe, 1/2" modulating valve, 24V servomotor</i>	3.00	TDS70001/M20/D
148	TDS Solenoid Valve, 230V <i>230V solenoid</i>	1.00	TDS70002
149	TDS Solenoid Valve, 110V <i>110V Solenoid</i>	1.00	TDS70002/110
150	TDS Probe only	2.00	TDS70003

4.4 Feed Water Valves

Item No.	Feed Water Valves	Kgs	Part No.
151	Threaded Feed Water BSP/NPT (0.5"/15mm) <i>0.5" Feed water valve with coupling</i>	4.00	WLCVO15
152	Threaded Feed Water BSP/NPT (0.75"/20mm) <i>0.75" Feed water valve with coupling</i>	5.00	WLCVO20
153	Flanged Feed Water Valve PN40 (1"/40mm) <i>1" Feed water valve with coupling</i>	7.00	WLCVO25/FL
154	Flanged Feed Water Valve PN40 (1.5"/40mm) <i>1.5" Feed water valve with coupling</i>	8.00	WLCVO40/FL
155	Flanged Feed Water Valve PN40 (2"/40mm) <i>2" Feed water valve with coupling</i>	9.00	WLCVO50/FL
156	Flanged Feed Water Valve ANSI 300lb (1"/40mm) <i>1" Feed water valve with coupling</i>	7.00	WLCVO25/FLU
157	Flanged Feed Water Valve ANSI 300lb (1.5"/40mm) <i>1.5" Feed water valve with coupling</i>	8.00	WLCVO40/FLU
158	Flanged Feed Water Valve ANSI 300lb (2"/40mm) <i>2" Feed water valve with coupling</i>	9.00	WLCVO50/FLU
<i>The feed water valves are equipped with couplings and mounting brackets. The feed water valves are not supplied with servomotor. For the 0.5" and 0.75" valves, large servomotors must be used, for 1" and 1.5" valves UNIC05 servomotors, for the 2" UNIC20.</i>			

4.5 Bottom Blowdown

Item No.	Bottom Blowdown Valves	Kgs	Part No.
159	1" (25mm) Bottom Blowdown Valve ANSI 300lbs Flanged, Stainless Steel body, fitted with Tek-Fil seat		BBV025FLU
160	1" (25mm) Bottom Blowdown Valve PN16/40 Flanged, Stainless Steel body, fitted with Tek-Fil seat		BBV025FL
161	1.5" (40mm) Bottom Blowdown Valve ANSI 300lbs Flanged, Stainless Steel body, fitted with Tek-Fil seat		BBV040FLU
162	1.5" (40mm) Bottom Blowdown Valve PN16/40 Flanged, Stainless Steel body, fitted with Tek-Fil seat		BBV040FL
163	2" (50mm) Bottom Blowdown Valve ANSI 300lbs Flanged, Stainless Steel body, fitted with Tek-Fil seat		BBV050FLU
164	2" (50mm) Bottom Blowdown Valve PN16/40 Flanged, Stainless Steel body, fitted with Tek-Fil seat		BBV050FL
165	Bottom Blowdown Control Module 110/230V 50/60Hz – Battery not included, contact Autoflame		BBC70004
166	Bottom Blowdown Industrial Actuator 05 24V DC Only, 40NM 37ft lbs IP65, -25 to 55°C (-13 to 131°F)		BBA10070
167	Bottom Blowdown Industrial Actuator 10* 24V DC Only, 40NM 37ft lbs IP65, -25 to 55°C (-13 to 131°F)		BBA10072
168	1" (25mm) Bottom Blowdown Valve Complete with 24V DC Actuator and Control Module		BBV025 System
169	1.5" (40mm) Bottom Blowdown Valve Complete with 24V DC Actuator and Control Module		BBV040 System
170	2" (50mm) Bottom Blowdown Valve Complete with 24V DC Actuator and Control Module		BBV050 System
*For use with 2" Bottom Blow Down Valve. All costs exclude any kind of approval and/or testing that may be required. Also excludes additional hardware/mating flanges etc. or any kind of installation, service or calibration.			

5 Peripheral & Spare Parts

5.1 End Switch Proving

Item No.	End Switch Proving	Kgs	Part No.
171	End Switch Proving Unit With 1 metre lead(3ft)	1.00	MM70009PPU
172	Small Oil Valve Base Plate Allows for end switch proving unit to be mounted to existing small oil valve	0.10	MM70009OVSM
173	Large Oil Valve Base Plate Allows for end switch proving unit to be mounted to existing large oil valve	0.10	MM70009OVLRG
174	Air Damper Mounting Kit	0.20	MM70009UMK
End switches must be ordered separately. They are not included with modified gas or oil valves. Please contact Autoflame for more information.			

5.2 End Switch Proving – Modified Oil Valves

Item No.	End Switch Proving – Modified Oil Valves	Kgs	Part No.
175	Type 1 – Spillback/By-pass Modified for mounting end switch proving unit	0.60	OVS31015/VA
176	Type 1 – Metering/Simplex Modified for mounting end switch proving unit	0.60	OVM31015/VA
177	Type 2 – Spillback/By-pass Modified for mounting end switch proving unit	0.60	OVS32016/VA
178	Type 2 – Metering/Simplex Modified for mounting end switch proving unit	0.60	OVM32016/VA
179	Type 3 – Spillback/By-pass Modified for mounting end switch proving unit	1.80	OVS33L17/VA
180	Type 3 – Metering/Simplex Modified for mounting end switch proving unit	1.80	OVM33L17/VA
181	Type 4 – Spillback/By-pass Modified for mounting end switch proving unit	1.80	OVS34L18/VA
182	Type 4 – Metering/Simplex Modified for mounting end switch proving unit	1.80	OVM34L18/VA
183	Type 5 – Spillback/By-pass Modified for mounting end switch proving unit	0.50	OVS35019/VA
184	Type 5 – Metering/Simplex Modified for mounting end switch proving unit	0.50	OVM35019/VA
185	Type 6 – Spillback/By-pass Modified for mounting end switch proving unit	0.50	OVS36020/VA
186	Type 6 – Metering/Simplex Modified for mounting end switch proving unit	0.50	OVM36020/VA
187	Type 8 – Spillback/By-pass Modified for mounting end switch proving unit	0.50	OVS38022/VA
188	Type 8 – Metering/Simplex Modified for mounting end switch proving unit	0.50	OVM38022/VA
189	Type 9 – Spillback/By-pass Modified for mounting end switch proving unit	0.50	OVS39023/VA
190	Type 9 – Metering Simplex Modified for mounting end switch proving unit	0.50	OVM39023/VA
End switches must be ordered separately, they are not included with modified oil valves.			

5.3 End Switch Proving Gas Control Butterfly Valves

Item No.	End Switch Proving – Modified Gas Butterfly Valves	Kgs	Part No.
191	ANSI 150lb 65mm (2.5") <i>Thickness -30mm. Modified for mounting end switch proving unit, mounting kit</i>	5.00	GVF46526/30U/VA
192	ANSI 150lb 80mm (3") <i>Thickness -30mm. Modified for mounting end switch proving unit, mounting kit</i>	6.00	GVF48027/30U/VA
193	ANSI 150lb 100mm (4") <i>Thickness -30mm. Modified for mounting end switch proving unit, mounting kit</i>	7.00	GVF41006/30U/VA
194	ANSI 150lb 125mm (5") <i>Thickness -30mm. Modified for mounting end switch proving unit, mounting kit</i>	8.00	GVF42527/30U/VA
195	ANSI 150lb 150mm (6") <i>Thickness -30mm. Modified for mounting end switch proving unit, mounting kit</i>	9.00	GVF415028/30U/VA
196	ANSI 150lb 65mm (2.5") <i>Thickness -50mm. Modified for mounting end switch proving unit, mounting kit</i>	9.00	GVF46526/50U/VA
197	ANSI 150lb 80mm (3") <i>Thickness -50mm. Modified for mounting end switch proving unit, mounting kit</i>	10.00	GVF48027/50U/VA
198	ANSI 150lb 100mm (4") <i>Thickness -50mm. Modified for mounting end switch proving unit, mounting kit</i>	11.00	GVF410026/50U/VA
199	ANSI 150lb 125mm (5") <i>Thickness -50mm. Modified for mounting end switch proving unit, mounting kit</i>	12.00	GVF42527/50U/VA
200	ANSI 150lb 150mm (6") <i>Thickness -50mm. Modified for mounting end switch proving unit, mounting kit</i>	13.00	GVF415028/50U/VA
<i>End switches must be ordered separately, they are not included with modified gas valves.</i>			

5.4 Hazardous Environment/ Explosion Proof Equipment ATEX



Large Servo Motor, 230V, Atex Approved

Item No.	Hazardous Environment/Explosion Proof with ATEX	Kgs	Part No.
201	Large Servo Motor, 230V 50/60Hz 25Nm, 18ft lbs. Ex nA nL IIC T4	1.85	MM10004/EXP
202	Large Servo Motor, 244V 50/60Hz 25Nm, 18ft lbs. Ex nA nL IIC T4	1.85	MM10004/D/EXP
203	Small Servo Motor, 230V 50/60Hz *Pending Approval* 4Nm, 3ft lbs. Ex nA nL IIC T4	1.85	MM10005/EXP
204	Small Servo Motor, 24V 50/60Hz *Pending Approval* 4Nm, 3ft lb. Ex Na nL IIC T4	1.85	MM10005/D/EXP
205	Industrial Servo Motor 10, 230V 98Nm, 72ft lbs. Ex nA nL IIC T4	6.00	MM10072/EXP
206	Industrial Servo Motor 10, 120V 98Nm, 72 ft lbs. Ex nA nL IIC T4	6.00	MM10072/110/EXP
207	Air Pressure Sensor 0 to 65mBar, 0 to 25" wg, 0 to 1 PSI. Ex Na IIC Gc	0.42	MM60005/EXP
208	Air Pressure Sensor 0 to 120mBar, 0 to 50"wg, 0 to 2 PSI. Ex Na IIC Gc	0.42	MM60013/EXP
209	Gas Pressure Sensor 12.5 to 65mBar, 5 to 25"wg, 0.18 to 1 PSI. Ex Na IIC Gc	0.42	MM60006/EXP
210	Gas Pressure Sensor 52 to 340mBar, 25 to 1325"wg, 0.75 to 5 PSI. Ex Na IIC Gc	0.42	MM60008/EXP
211	Gas Pressure Sensor 115 to 750mBar, 50 to 300"wg, 1.8 to 11 PSI. Ex Na IIC Gc	0.42	MM60011/EXP
212	Gas Pressure Sensor 207 to 1380mBar, 83 to 550"wg, 3 to 20 PSI. Ex Na IIC Gc	0.42	MM60012/EXP
213	Gas Pressure Sensor 0 to 4mBar, 162 to 1620"wg, 6 to 60 PSI. Ex Na IIC Gc	0.42	MM60014/EXP
Please note voltage and frequency. Servo motors are not supplied as standard with mounting kits.			

5.5 Flue Gas Recirculation (FGR) Valves



Flue Gas Recirculation Valve

Item No.	Flue Gas Recirculation (FGR) Valves	Kgs	Part No.
214	PN16 100mm(4") Thickness-50mm		FGRV410026/50
215	PN16 150mm(6") Thickness-50mm		FGRV415028/50
216	PN16 200mm(8") Thickness-50mm		FGRV420029/50
217	PN16 250mm(10") Thickness-50mm		FGRV425030/50
218	PN16 300mm(12") Thickness-50mm		FGRV430031/50
219	ANSI 150lb 100mm(4") Thickness-50mm		FGRV410026/50U
220	ANSI 150lb 150mm(6") Thickness-50mm		FGRV415028/50U
221	ANSI 150lb 200mm(8") Thickness-50mm		FGRV420029/50U
222	ANSI 150lb 250mm(10") Thickness-50mm		FGRV425030/50U
223	ANSI 150lb 300mm(12") Thickness-50mm		FGRV430031/50U
Valve manufactured from 303 Stainless steel. Please contact Autoflame if the size you require is not listed.			

5.6 Factory Built Single Fuel UL Control Panel

Item No.	Factory Built Control Panels – Single Fuel UL Panel	Kgs	Part No.
224	Single fuel UL panel 230V <i>Fitted with Mk7 MM</i>		CP1MK7/E
225	Single fuel UL panel 110V <i>Fitted with Mk7 MM</i>		CP1MK7/E/110
226	Single fuel UL panel 230V <i>Fitted with Mk7 MM & First Out Annunciation</i>		CP1AMK7/E
227	Single fuel UL panel 110V <i>Fitted with Mk7 MM & First Out Annunciation</i>		CP1AMK7/E/110
228	Single fuel UL panel 230V <i>Fitted with Mk7 MM, First Out Annunciation & Water Level</i>		CP1WMK7/E
229	Single fuel UL panel 110V <i>Fitted with Mk7 MM First Out Annunciation & Water Level</i>		CP1WMK7/E/110
230	Single fuel UL panel 230V <i>Fitted with Mini Mk8 MM</i>		CP1MMK8/E
231	Single fuel UL panel 110V <i>Fitted with Mini Mk8 MM</i>		CP1MMK8/E/110
<i>Standard specification control panel: Equipped with Autoflame MM controller. NEMA4 powder coated enclosure to match MM controller. Fully wired and tested. Supplied with control panel drawings.</i> <i>Standard panel size – 800mm x 600mm x 300mm enclosure (31.4" x 23.6" x 11.8") Standard water level panel size – 800mm x 800mm x 300mm enclosure (31.4" x 41.4" x 11.8")</i> <i>Standard single fuel scope of supply includes: Fuel 1 On/Off Push Button – Panel on Lamp – Burner on/Off Switch – Lockout Alarm/Reset – Hand/Auto/Low Flame Hold Switch(Not available on Mini Mk7) – Lamp as per customer request</i> <i>Standard Single Fuel Water Level scope of supply includes: Fuel 1 On/Off Push Button – Panel On Lamp – Burner On/Off Switch – Lockout Alarm/Reset – Hand/Auto/Low Flame Hold Switch(Not available on Mini Mk8) – High Water Lamp – Low Water Lamp – 2nd Low Water Lamp – Water Level System Test – Water Level Alarm Mute</i> <i>Additional lamps/switches are available upon request. Fuses and contactors with overloads are not supplied as standard.</i> <i>Please contact Autoflame before ordering a panel so that the specifics can be determined at an early date. After receiving an order for a panel, drawings will be submitted for approval by the customer.</i> <i>Once approved, manufacturing will commence. Lead-times on control panels vary from 4 to 6 weeks from approval of drawings. Prices are subject to change due to specific customer requirements.</i> <i>Custom sizes are available on request. Please contact Autoflame for further information and a quote on non-standard panels.</i>			

5.7 Factory Built Dual Fuel UL Control Panel

Item No.	Factory Built Control Panels – Dual Fuel UL Panel	Kgs	Part No.
232	Dual fuel UL panel 230V <i>Fitted with Mk7 MM</i>		CP2MK7/E
233	Dual fuel UL panel 110V <i>Fitted with Mk7 MM</i>		CP2MK7/E/110
234	Dual fuel UL panel 230V <i>Fitted with Mk7 MM & First Out Annunciation</i>		CP2AMK7/E
235	Dual fuel UL panel 110V <i>Fitted with Mk7 MM & First Out Annunciation</i>		CP2AMK7/E/110
236	Dual fuel UL panel 230V <i>Fitted with Mk7 MM, First Out Annunciation & Water Level</i>		CP2WMK7/E
237	Dual fuel UL panel 110V <i>Fitted with Mk7 MM First Out Annunciation & Water Level</i>		CP2WMK7/E/110
238	Dual fuel UL panel 230V <i>Fitted with Mini Mk8 MM</i>		CP2MMK8/E
239	Dual fuel UL panel 110V <i>Fitted with Mini M87 MM</i>		CP2MMK8/E/110
<i>Standard specification control panel:</i> <i>Equipped with Autoflame MM controller. NEMA4 powder coated enclosure to match MM controller. Fully wired and tested. Supplied with control panel drawings.</i> <i>Standard panel size – 800mm x 600mm x 300mm enclosure (31.4" x 23.6" x 11.8")</i> <i>Standard water level panel size – 800mm x 800mm x 300mm enclosure (31.4" x 41.4" x 11.8")</i> <i>Standard dual fuel scope of supply includes:</i> <i>Fuel 1 On/Off Push Button – Fuel 2 On/Off Push Button – Burner on/Off Switch – Lockout Alarm/Reset – Hand/Auto/Low Flame Hold Switch(Not available on Mini Mk8) – Lamp as per customer request</i> <i>Standard dual fuel water level scope of supply includes: Fuel 1 On/Off Push Button – Fuel 2 On/Off Push Button – Burner On/Off Switch – Lockout Alarm/Reset – Hand/Auto/Low Flame Hold Switch(Not available on Mini Mk7) – High Water Lamp – Low Water Lamp – 2nd Low Water Lamp – Water Level System Test – Water Level Alarm Mute</i> <i>Additional lamps/switches are available upon request. Fuses and contactors with overloads are not supplied as standard.</i> <i>Please contact Autoflame before ordering a panel so that the specifics can be determined at an early date. After receiving an order for a panel, drawings will be submitted for approval by the customer.</i> <i>Once approved, manufacturing will commence. Lead-times on control panels vary from 4 to 6 weeks from approval of drawings. Prices are subject to change due to specific customer requirements.</i> <i>Custom sizes are available on request. Please contact Autoflame for further information and a quote on non-standard panels.</i>			

5.8 CB Control Panel Retrofit

Item No.	CB Control Panel Retrofit Single/Dual Fuel UL Panel	Kgs	Part No.
240	Single fuel UL panel 230V <i>Fitted with Mk7 MM, CB control panel retrofit</i>		CP1MK7/E/CB
241	Dual fuel UL panel 110V <i>Fitted with Mk7 MM, CB control panel retrofit</i>		CP2MK7/E/CB
242	Single fuel UL panel 230V <i>Fitted with Mini Mk8 MM, CB control panel retrofit</i>		CP1/MMK8/E/CB
243	Dual fuel UL panel 110V <i>Fitted with Mini Mk8 MM, CB control panel retrofit</i>		CP2/MMK8/E/CB
<i>Standard specification control panel:</i> <i>Equipped with Autoflame MM controller. NEMA4 powder coated enclosure to match MM controller. Fully wired and tested. Supplied with control panel drawings.</i> <i>Standard panel size – 600mm x 500mm x 210mm enclosure (23.6" x 19.7" x 8.3")</i> <i>Standard scope of supply includes:</i> <i>Fuel Select OFF/Fuel 1 switch (single fuel) or Fuel Select Fuel 1/OFF/Fuel 2 switch (dual fuel) – Burner On/Off Switch – Lockout Alarm Mute – Hand/Auto/Low Flame Hold Switch (Not available on Mini Mk8) – Lamp as per customer request.</i> <i>Note: 110V direct supply only, transformers and Variable Speed Drive cannot be added to this panel. Also water level, first out annunciation, additional lamps/switches, fuses and contactors are not available due to panel size.</i> <i>Please contact Autoflame before ordering a panel so that the specifics can be determined at an early date. After receiving an order for a panel, drawings will be submitted for approval by the customer.</i> <i>Once approved, manufacturing will commence. Lead-times on control panels vary from 4 to 6 weeks from approval of drawings. Prices are subject to change due to specific customer requirements.</i> <i>Custom sizes are available on request. Please contact Autoflame for further information and a quote on non-standard panels.</i>			

5.9 Mini Mk8 M.M. Control Panel

Item No.	Mini Mk8 M.M. Control Panel	Kgs	Part No.
244	Single Fuel UL Panel 230V <i>Fitted with Mini Mk8 MM</i>		CP1MMK7/E/SM
245	Single Fuel UL Panel 110V <i>Fitted with Mini Mk8 MM</i>		CP1MMK7/E/110/SM
246	Dual Fuel UL Panel 230V <i>Fitted with Mini Mk8 MM</i>		CP2MMK7/E/SM
247	Dual Fuel UL Panel 110V <i>Fitted with Mini Mk8 MM</i>		CP2MMK7/E/110/SM
248	Flying Lead <i>3m(9.8ft) flying lead longer lengths available on request</i>		CP1SMFLY
<i>Equipped with Autoflame Mini Mk8 MM controller. NEMA4 powder coated enclosure to match Mini Mk8 MM. Fully wired and tested. Supplied with control panel drawings.</i> <i>Standard panel size – 320mm x 320mm x 210mm enclosure (12.6" x 12.6" x 8.3"), 371mm x 320mm x 214mm mounting bracket (14.6" x 12.6" x 8.3")</i> <i>Standard scope of supply includes: Fuel select Off/Fuel 1 switch (single fuel) or Fuel Select FUEL 1/OFF/FUEL 2 switch (dual fuel) – Burner On/Off Switch – Error/Lockout Lamp.</i> <i>A 3Phase Direct Online Motor Starter up to 7.5kW (10HP) can be added to this panel and can be used in conjunction with an external Variable Speed Drive.</i> <i>Note: Mini Mk8 MM only. Control circuit transformers cannot be added to this panel. Also additional lamps/switches, fuses and contactors are not available due to panel size.</i> <i>Please contact Autoflame before ordering a panel so that the specifics can be determined at an early date. After receiving an order for a panel, drawings will be submitted for approval by the customer.</i> <i>Once approved, manufacturing will commence. Lead-times on control panels vary from 4 to 6 weeks from approval of drawings. Prices are subject to change due to specific customer requirements.</i> <i>Custom sizes are available on request. Please contact Autoflame for further information and a quote on non-standard panels.</i>			

5.10 Danfoss Variable Speed Drives – Panel Mounted

Item No.	Danfoss Variable Speed Drives – Panel Mounted VLT® HVAC IP20 Drive 380/480V 3 Phase, 50/60Hz	Kgs	Part No.
249	1.1kW/1.5hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		1K1PANEL
250	1.5kW/2.0hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		1K5PANEL
251	2.2kW/2.9hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		2K2PANEL
252	3kW/4.0hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		3KPANEL
253	4kW/5.0hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		4KPANEL
254	5.5kW/7.5hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		5K5PANEL
255	7.5kW/10hp <i>To fit 1000x600x300mm (39"x24"x12") panel</i>		7K5PANEL
256	11kW/15hp <i>To fit 1200x600x400mm (47"x31"x16") panel</i>		11KPANEL
257	15kW/20hp <i>To fit 1600x600x400mm (63"x24"x16") panel</i>		15KPANEL
258	18.5kW/25hp <i>To fit 1600x600x400mm (39"x24"x16") panel</i>		18K5PANEL
259	22kW/30hp <i>To fit 1600x600x400mm (39"x24"x16") panel</i>		22KPANEL
260	30kW/40hp <i>To fit 1600x600x400mm (39"x24"x16") panel</i>		30KPANEL
261	37kW/50hp <i>To fit 1600x600x400mm (39"x24"x16") panel</i>		37KPANEL
262	45kW/60hp <i>To fit 1600x600x500mm (39"x24"x20") panel</i>		45KPANEL
263	55kW/75hp <i>To fit 1600x600x500mm (39"x24"x20") panel</i>		55KPANEL
264	75kW/100hp <i>To fit 1600x600x500mm (39"x24"x20") panel</i>		75KPANEL
265	90kW/125hp <i>To fit 1600x600x500mm (39"x24"x20") panel</i>		90KPANEL
<i>To be ordered in addition to a factory built control panel.</i> <i>Graphical Keypad, DC Link Chokes for Harmonic Suppression & RFI Filters to meet Class C2 & C1 are fitted as standard.</i> <i>Price includes Danfoss Variable Speed Drive, Motor Protection Circuit Breaker, (to UL specifications) and increase in panel size from Autoflame standard panel sizes to allow for internal installation.</i> <i>If externally mounted IP55/IP66 or 200/240V drives are required please contact Autoflame for more information.</i>			

5.11 Danfoss Variable Speed Drives – Stand Alone

Item No.	Danfoss Variable Speed Drives – Stand Alone VLT® HVAC IP20 Drive 380/480V 3 Phase, 50/60Hz	Kgs	Part No.
266	1.1kW/1.5hp		FC10P1K1T4
267	1.5kW/2.0hp		FC10P1K5T4
268	2.2kW/2.9hp		FC10P2K2T4
269	3kW/4.0hp		FC10P3K0T4
270	4kW/5.0hp		FC10P4K0T4
271	5.5kW/7.5hp		FC10P5K5T4
272	7.5kW/10hp		FC10P7K5T4
273	11kW/15hp		FC10P11KT4
274	15kW/20hp		FC10P15KT4
275	18.5kW/25hp		FC10P18KT4
276	22kW/30hp		FC10P22KT4
277	30kW/40hp		FC10P30KT4
278	37kW/50hp		FC10P37KT4
279	45kW/60hp		FC10P45KT4
280	55kW/75hp		FC10P55KT4
281	75kW/100hp		FC10P75KT4
282	90kW/125hp		FC10P90KT4
<i>Graphical Keypad, DC Link Chokes for Harmonic Suppression & RFI Filters to meet Class C2 & C1 are fitted as standard.</i> <i>If externally mounted IP55/IP66 or 200/240V drives are required please contact Autoflame for more information.</i>			

5.12 Direct Online Motor Starter

Item No.	Direct Online Motor Starter	Kgs	Part No.
283	1.1 - 7.5 kW / 1.5 - 10 hp <i>Can only be ordered with Autoflame panel</i>		DOL11/75
284	11kW / 15hp <i>Can only be ordered with Autoflame panel</i>		DOL11
285	15 kW / 20hp <i>Can only be ordered with Autoflame panel</i>		DOL15
286	18.5kW / 25hp <i>Can only be ordered with Autoflame panel</i>		DOL18
287	22 kW / 30hp <i>Can only be ordered with Autoflame panel</i>		DOL22
Price includes UL compliant contactor, overload and Motor Protection Circuit Breaker. Max 2 per standard panel- 800mm x 600mm x 300mm enclosure (31.4" x 23.6" x 11.8) Max 3 per standard large panel- 800mm x 600mm x 300mm enclosure (31.4" x 23.6" x 11.8") For Star Delta or Soft Starts contact Autoflame for further information.			

5.13 Direct Online Motor Starter

Item No.	Direct Online Motor Starter	Kgs	Part No.
288	1.1 - 7.5 kW / 1.5 - 10 hp <i>Can only be ordered with Autoflame panel</i>		DOLMCP11/75
289	11kW / 15hp <i>Can only be ordered with Autoflame panel</i>		DOLMCP11
290	15 kW / 20hp <i>Can only be ordered with Autoflame panel</i>		DOLMCP15
291	18.5kW / 25hp <i>Can only be ordered with Autoflame panel</i>		DOLMCP18
292	22 kW / 30hp <i>Can only be ordered with Autoflame panel</i>		DOLMCP22
Price includes UL compliant contactor, overload and Motor Protection Circuit Breaker. Max 2 up to 15kW (20hp) per standard panel- 800 x 600 x 300 mm enclosure (31.4" x 23.6" x 11.8"). Max 1 for 18.5 to 22kW (25 to 30 hp) or max 3 up to 15kW (20hp) per standard large panel- 800 x 800 x 300 mm enclosure (31.4" x 31.4" x 11.8"). Max 2 for 18.5 to 22kW (25 to 30hp) per extra large panel – 1000 x 800 x 300mm enclosure (39" x 31.4" x 11.8"). For Start Delta starters or soft starters contact Autoflame for further information.			

5.14 VSD Bypass Switch – Single Fuel

Item No.	VSD By-pass Switch	Kgs	Part No.
293	Single Fuel 1.1 - 7.5 kW / 1.5 - 10 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD11/75
294	Single Fuel 11 - 18.5 kW / 15 - 25 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD11/18
295	Single Fuel 15 kW / 20 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD15
296	Single Fuel 18.5 kW / 25 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD18
297	Single Fuel 22 kW / 30 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD22
298	Single Fuel 30 kW / 40 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD30
299	Single Fuel 37 kW / 50 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD37
300	Single Fuel 45 kW / 60 hp <i>Can only be ordered with Autoflame panel</i>		CP1VSD45
Price includes UL compliant contactor (with overload), Motor Protection Circuit Breaker (to UL specifications), switch and Variable Speed Drive or direct fuel curve switching. Prices for larger kW(hp) drive switches are available on request. Please contact Autoflame for more information.			

5.15 VSD Bypass Switch – Dual Fuel

Item No.	VSD By-pass Switch	Kgs	Part No.
301	Dual Fuel 1.1 - 7.5 kW / 1.5 - 10 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD11/75
302	Dual Fuel 11 - 18.5 kW / 15 - 25 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD11/18
303	Dual Fuel 15 kW / 20 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD15
304	Dual Fuel 18.5 kW / 25 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD18
305	Dual Fuel 22 kW / 30 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD22
306	Dual Fuel 30 kW / 40 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD30
307	Dual Fuel 37 kW / 50 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD37
308	Dual Fuel 45 kW / 60 hp <i>Can only be ordered with Autoflame panel</i>		CP2VSD45
Price includes UL compliant contactor (with overload), Motor Protection Circuit Breaker (to UL specifications) and switches. Prices for larger kW(hp) drive switches are available on request. Please contact Autoflame for more information.			

5.16 M.M. System Spares

Item No.	M.M. System Spares	Kgs	Part No.
309	Mk7 MM Software* Includes 2 EPROMS and display SD card	0.30	MK7PROMS
310	Mk7 MM Software with WLC MM software* Includes 3 EPROMS and display SD card	0.40	MK7PROMS/WL
311	Mk7 or Mk6 MM Connector Plugs Set of 9	0.50	CON1060
312	Mini Mk6 MM Connector Plugs Set of 7	0.50	CON1064
313	Mini Mk5 Evolution MM Connector Plugs Set of 3	0.50	CON1069
314	Mini Mk7 Evolution MM Connector Plugs Set of 7	0.50	CON1070
315	MM Enclosure Mounting Clamps Set of 4	0.10	ENC10061
316	MM Expansion PCB Enclosure + Pillars	0.20	ENC10065
317	Expansion PCB Control Connector Plugs Set of 5	0.50	CON1068
318	2A (T) Fuse Set of 10	0.10	FU10034
319	6.3A (T) Fuse Set of 10- Mk7, Mini Mk6 and Mk6 only	0.10	FU10026
320	(TE5) 2A (T) Fuse Set of 10- Mini Mk6 and Mk6 only	0.10	FU10027
321	(TE5) 630 mA (T) Fuse Set of 10- Mini Mk6 and Mk6 only	0.10	FU10028
322	(TE5) 0.315A (T) Fuse Set of 10- mini Mk5 EVO only	0.10	FU10024
323	5A (T) Fuse Set of 10- Mini Mk8, Mini Mk7 and Mini Mk5 EVO only	0.10	FU10035
324	630 mA (T) Fuse Set of 10- Mini Mk5 only	0.10	FU10025
325	125 mA (220V) Fuse Set of 10- Mk5 only	0.10	FU10022
326	250 mA (110V) Fuse Set of 10- Mk5 only	0.10	FU10023
327	500 mA (T) Fuse Set of 10 Mk 7	0.10	FU10040
328	1A (T) Fuse Set of 10 Mk 7	0.10	FU10041
329	2.5A (T) Fuse Set of 10 Mk 7	0.10	FU10042
*To ensure correct software is sent, please specify unit serial number.			

5.17 Mk7 E.G.A. System Spares

Item No.	Mk7 E.G.A. System Spares	Kgs	Part No.
330	Mk7 EGA Software* <i>Includes 1 EPROM and display SD card</i>	0.20	MK7EGAPROMS
331	Mk7 EGA CEMS Software Upgrade** <i>EGA must be returned to Autoflame for CEMS upgrade</i>	0.01	MK7EGACEMS
332	Mk7 O2 Sensor <i>For the Mk7 EGA</i>	0.02	SP70004
333	Mk7 CO2 Sensor <i>Mk7 EGA must be returned for this part to be changed.</i>	0.09	SP70005
334	Mk7 NO Sensor <i>For the Mk7 EGA</i>	0.04	SP70007
335	Mk7 CO Sensor <i>For the Mk7 EGA</i>	0.04	SP70008
336	Mk7 SO2 Sensor <i>For the Mk7 EGA</i>	0.01	SP70013
337	Mk7 NO2 Sensor <i>For the Mk7 EGA</i>	0.04	SP70037
338	Mk7 EGA Replacement Air Inlet Filter <i>For the Mk7 EGA</i>	0.06	EGA70107
339	Mk7 EGA Replacement RH Sensor <i>For the Mk7 EGA</i>	0.10	SP70040
340	Mk7 EGA Fan <i>For the Mk7 EGA, For Mk6 EGA Fan Part No SP10035</i>	0.10	SP10035/7
341	EGA Fuse <i>For the Mk7 and Mk6 EGA</i>	0.10	SP1040
342	EGA Pump 24V <i>For the Mk7 and Mk6 EGA</i>	0.33	SP70010
343	EGA Replacement Internal Filter <i>For the MK7 and Mk6 EGA</i>	0.06	SP10011
344	EGA Type K Thermocouple only <i>3m (10ft) cable length</i>	0.25	SP1044
345	EGA Type K Thermocouple only <i>5m (16ft) cable length</i>	0.25	SP1044/5
346	EGA Type K Thermocouple only <i>10m (33ft) cable length</i>	0.25	SP1044/10
347	EGA Connector Plugs <i>16 poles 1 set of 2 plugs (For the Mk7 and Mk6 EGA)</i>	0.50	CON1010
348	EGA Replacement Mk7 Sampling Probe Filter & Tubing <i>For the Mk7 EGA Probe, 3m (10ft)</i>	0.15	SP70012
* To ensure correct software is sent, please specify unit serial number. ** Please note that if you request to have your Standard EGA upgraded to include CEMS software it is compulsory that a standard service and calibration is carried out.			

5.18 Mk6 E.G.A. System Spares

Item No.	Mk6 E.G.A. System Spares	Kgs	Part No.
349	EGA Replacement Mk6 Sampling Probe Filter & Tubing <i>For the Mk6 EGA Probe, 3m(10ft)</i>	0.15	SP10012
350	Mk6 O2 Sensor to be supplied without cell holder <i>Mk6 EGA cell holders will be recycled if returned to Autoflame</i>	0.02	SP10004
351	Mk6 CO2 Sensor <i>For the Mk6 EGA(only Mk6 CO2 sensor)</i>	0.09	SP70006
352	Mk6 CO2 Sensor Conversion Kit <i>For the Mk6 EGA, include CO2 cell and kit to upgrade</i>	0.10	SP70006/KIT
353	Mk6 NO Sensor <i>For the Mk6 EGA</i>	0.04	SP10007
354	Mk6 CO Sensor <i>For the Mk6 EGA</i>	0.04	SP10008
355	Mk6 SO2 Sensor <i>For the Mk6 EGA</i>	0.01	SP10013
356	Mk6 NO2 Sensor <i>For the Mk6 EGA</i>	0.04	SP10037
357	Mk6 EGA Replacement Air Inlet Filter <i>For the Mk6 EGA</i>	0.06	SP10018
* To ensure correct software is sent, please specify unit serial number.			

5.19 O2 Interface Modules

Item No.	O2 Interface Modules	Kgs	Part No.
358	O2 Interface Module, 230V	0.65	MM10013
359	O2 Interface Module, 110V	0.65	MM10013/110
* Limited supply available for O2 interface module.			

5.20 D.T.I. System Spares

Item No.	D.T.I. System Spares	Kgs	Part No.
360	Mk6 D.T.I. Fuse	0.10	SP1060
361	MK7 and Mk6 D.T.I. Connector Plugs set of 6	0.50	CON1065
362	Digital I/O Connector Plugs	0.50	CON1066
363	Analogue I/O Connector Plugs	0.50	CON1067
364	Universal I/O Connector Plugs	0.50	CON7066

5.21 Sundries and Spare Parts

Item No.	Sundries and Spare Parts	Kgs	Part No.
365	Autoflame M.M./E.G.A. Sales Brochure <i>US/Letter Format</i>	0.10	SP2000/US
366	Tamper Proof Screwdriver <i>Setting up servo motors</i>	0.07	SP10002
367	63VA Transformer, 230-24V <i>UK specification for servo motors</i>	0.65	SP10003
368	63VA Transformer, 110-24V <i>USA specification for servo motors</i>	0.65	SP10003/110
369	Ferrite Core Set <i>3 off</i>	0.22	SU10010
370	Anti Voltage Surge Module, 230V	0.15	SU10011
371	Anti Voltage Surge Module, 110V	0.15	SU10011/110
372	Electrical Snubber, 230V* <i>Type reference must be shown on purchase order</i>	0.05	SU10030
373	Electrical Snubber, 110V* <i>Type reference must be shown on purchase order</i>	0.05	SU10040
*Please contact Autoflame for a type reference prior to ordering.			

5.22 Servo Motor Spares

Item No.	Servo Motor Spares	Kgs	Part No.
374	Small Servo Motor Fixing Screws <i>M5 x 35mm, set 4</i>	0.01	F5015
375	Small Servo Motor Mounting Bracket/Coupling <i>Retrofit application for burner air damper</i>	0.50	SP10015
376	Small Valve to Large Servo Motor Mounting Coupling <i>Gas valve only applications</i>	0.50	SP10017
377	Large Servo Motor Fixing Screws <i>M6 x 45mm, set 4</i>	0.01	F6015
378	Large Servo Motor Mounting Bracket/Coupling <i>Retrofit application for burner air damper</i>	0.50	SP10016
379	Industrial Servo Motor 05 Mounting Bracket/Coupling <i>For MM10070</i>	0.80	SP10028/05
380	Industrial Servo Motor 10 Mounting Bracket/Coupling <i>For MM10072</i>	0.80	SP10028/10
381	Industrial Servo Motor 20/40 Mounting Bracket/Coupling <i>For MM10074/B & MM10078</i>	1.00	SP10028/20
382	Solid State Relay Module <i>Used in conjunction with a Unic 20/40 Motor</i>	1.00	MM10070/RK

5.23 Oil Valve Spares

Item No.	Oil Valve Spares	Kgs	Part No.
383	Viton O-ring Type 1,2,5,6,8,9 Small Oil Valve Set of 2	0.01	OR70003
384	Viton O-ring Type 3,4,7 Large Oil Valve Set of 2	0.01	OR70004
<i>*These can only be installed by approved by Autoflame Tech Centre engineers.</i>			

5.24 Water Level Spares

Item No.	Water Level Spares	Kgs	Part No.
385	0.5" Feedwater Valve Repair Kit <i>Replacement parts for New Style feedwater valve fitted with Tekfil seats</i>		WLCV015/KIT
386	0.75" Feedwater Valve Repair Kit <i>Replacement parts for New Style feedwater valve fitted with Tekfil seats</i>		WLCV020/KIT
387	1" Feedwater Valve Repair Kit <i>Replacement parts for New Style feedwater valve fitted with Tekfil seats</i>	0.02	WLCV025/KIT
388	1.5" Feedwater Valve Repair Kit <i>Replacement parts for New Style feedwater valve fitted with Tekfil seats</i>	0.02	WLCV040/KIT
389	2" Feedwater Valve Repair Kit <i>Replacement parts for New Style feedwater valve fitted with Tekfil seats</i>	0.02	WLCV050/KIT
390	Water Level Probes Flying Leads <i>Replacement flying leads for water level probes, 2m(6ft)</i>	0.05	WLCPLEAD
391	Mounting Bracket & Coupling for 0.5", 0.75" Feedwater valve <i>Includes fixing screws & washers</i>		SP30011
392	Mounting Bracket & Coupling for 1" PN40 Feedwater valve <i>Includes fixing screws & washers</i>		SP30012
393	Mounting Bracket & Coupling for 1.5" PN40 Feedwater valve <i>Includes fixing screws & washers</i>		SP30013
394	Mounting Bracket & Coupling for 2" PN40 Feedwater valve <i>Includes fixing screws & washers</i>		SP30014
395	Mounting Bracket & Coupling for 1" ANSI 300lb Feedwater valve <i>Includes fixing screws & washers</i>		SP30012/U
396	Mounting Bracket & Coupling for 1.5" ANSI 300lb Feedwater valve <i>Includes fixing screws & washers</i>		SP30013/U
397	Mounting Bracket & Coupling for 2" ANSI 300lb Feedwater valve <i>Includes fixing screws & washers</i>		SP30014/U

5.25 CB Gears Drive Assembly

Item No.	CB Gears Drive Assembly	Kgs	Part No.
398	Gear Drive Assembly 96" 400-800hp, Shaft diameter 3.23"		MMGR001
399	Gear Drive Assembly 96" 400-800hp, Shaft diameter 2.988"		MMGR002
400	Gear Drive Assembly 78" 250-350hp, Shaft diameter 2.4750"		MMGR003
401	Gear Drive Assembly 60" 50-200hp, Shaft diameter 2.3745"		MMGR004

5.26 Cables

Item No.	Cables	Kgs	Part No.
402	Screened Cable 1 core 16-02-1C	5.00	CAB50001
403	Screened Cable 2 core 16-02-2C	5.00	CAB50002
404	Screened Cable 3 core 16-02-3C	5.00	CAB50003
405	Screened Cable 4 core 16-02-4C	5.00	CAB50004
406	Screened Cable 6 core 16-02-6C	5.00	CAB50006
407	Screened Cable 8 core 16-02-8C	5.00	CAB50008
408	Screened Cable 10 core 16-02-10C	5.00	CAB50010
409	Screened Data Cable 1 pair	5.00	CAB50020
Prices per 100m			

5.27 Relays

Item No.	Relays	Kgs	Part No.
410	Relay LY2 12V DC	0.04	EC50200
411	Relay Base 12V	0.05	EC50201
412	Relay MY 240V AC	0.04	EC50206
413	Relay Base 240V	0.05	EC50207

5.28 Demo/Test Equipment

Item No.	Demo/Test Equipment	Kgs	Part No.
414	Mk7 MM Water Level Demo Case 230V <i>Includes Water Level Control and First Out Annunciation</i>	13.00	MM10035/WL
415	Mk7 MM Water Level Demo Case 110V <i>Includes Water Level Control and First Out Annunciation</i>	13.00	MM10035/110
416	Upgrading Mk6 to Mk7 Demo Case <i>Includes Mk7 and all work needed</i>	13.00	REPAIRDEMO
417	Mini Mk8 MM Demo Case, 230V <i>Includes Autoflame internal flame safeguard controller</i>	9.00	MM10036
418	Mini Mk8 MM Demo Case, 120V <i>Includes Autoflame internal flame safeguard controller</i>	9.00	MM10036/110
419	DTI Demo Case, 230V <i>Includes Analogue and Digital I/O</i>	12.00	MM10027
420	DTI Demo Case, 120V <i>Includes Analogue and Digital I/O</i>	12.00	MM10027/110

5.29 Engineering Services

Item No.	Engineering Services	Kgs	Part No.
421	Combustion Efficiency Audit <i>Per Boiler Plant</i>		
422	Engineering Consultancy <i>Daily Rate</i>		
<i>Audit includes review of boiler plant, report outlining efficiency calculations and recommendations. Pricing allows for one day on site reviewing boiler plant, and does not include travel expenses which would be charged at cost. Final scope to be agreed prior to audit.</i> <i>Scope of consultancy work to be agreed and documented prior to engagement. Expert capabilities include boiler plant design, control system design, burner design recommendations.</i> <i>For more information please contact Autoflame.</i>			

5.30 Technical Manual & Product Catalogue

Item No.	Technical Manual & Product Catalogue	Kgs	Part No.
423	Complete Volume Set of Technical Manuals <i>Consisting of TECHMAN2 – 13</i>		TECHMAN1
424	Mk7 M.M. Installation and Commissioning Guide		TECHMAN2
425	Mini Mk8 M.M. Installation and Commissioning Guide		TECHMAN3
426	M.M. Application Possibilities		TECHMAN4
427	Valves and Servomotors		TECHMAN5
428	Mk8 E.G.A. Set-Up and Trim Guide		TECHMAN6
429	Mk7 E.G.A. Set-Up and Trim Guide		TECHMAN7
430	Expansion Board Set-Up Guide		TECHMAN8
431	Mk7 D.T.I. Set-Up Guide		TECHMAN9
432	Mk7 M.M. End User Guide		TECHMAN10
433	Mini Mk8 M.M. End User Guide		TECHMAN11
434	Expansion Board End User Guide		TECHMAN12
435	Product Catalogue		TECHMAN13

6 Repairs

6.1 Standard Repair Prices

Item No.	Standard Repair Prices	Kgs	Part No.
436	Repair Internal EGA Filter SP10011	0.06	REPAIRSP10011
437	Repair Water Level Feed Water Valve WLCV	7.00	REPAIRWLCV
438	Repair Water Level Capacitance Probe WLCP500, WLCP750, WLCP1000, WLCP1250, WLCP1500	1.50	REPAIRWLCP
439	Repair TDS TDS60001, TDS60001/110	3.00	REPAIRTDS
440	Repair Thermocouple SP1004	0.25	REPAIRT-COUPLE
441	Repair Mini Mk5 Evolution MM Module MMM5002/E, MMM5002/E/110	2.50	REPAIRMMM5002/E
442	Repair Mini Mk7 Evolution MM Module MMM7002/E, MMM7002/E/110	2.50	REPAIRMMM7002/E
443	Repair Mini Mk8 MM Module MMM8002	2.50	REPAIRMMM8002
444	Repair Mk7 MM Module MM70001/E, MM70001/E/WL	3.50	REPAIRMK7
445	Repair Mk6 MM Module MM60001, MM60001/110, MM60001/E, MM60001/E/110	3.50	REPAIRMK6
446	Repair Mini Mk6 MM Module MMM60016, MMM60016/110, MMM60016/IR	3.50	REPAIRMMM60016
447	Repair Mk5 MM Module MM50001, MM50001/110, MM50001/B, MM50001/B110	3.20	REPAIR5
448	Repair Mini Mk5 MM Module/ 3 Ch Mini MM Module MMM50016, MMM50016/110, MMM50016/IR, MMM50016/IR/110	3.50	REPAIRMMM50016
449	Repair MM Infrared Upload/Download Lead MM60010	0.13	REPAIR6010
450	Repair Inverter Interface Module MM10011, MM10011/110	0.65	REPAIR11
451	Repair E.G.A. Sampling Unit Mk6 Sampling System MM60002, MM60002/110 Service & calibration only - excluding parts	11.00	REPAIREGA6
452	Repair E.G.A. Sampling Unit Mk7 Sampling System MM72004, MM70004 Service & calibration only – excluding parts	11.00	REPAIREGA7
453	Repair E.G.A. Mk5 Sampling System MM10002 - Service & calibration only - excluding parts	11.00	REPAIR1002
454	Repair E.G.A. Sampling Probe MM10033, MM10003, EGA20002	1.00	REPAIR1003
455	Repair E.G.A. Cell O2/CO/CO2/SO2/NO SP10004, SP10005, SP10007, SP10008, SP10013	0.50	REPAIREGACELL
456	Repair Mk6, Mk7, Mk8 E.G.A. Pump 24V SP10010	0.33	REPAIRSP10010
457	Repair Small Servo Motor MM10005, MM10005/B, MM10005/D	0.55	REPAIR1005
458	Repair Large Servo Motor MM10004, MM10004/D, MM10004/EXP, MM10004/D/EXP	1.85	REPAIR1004

6 Repairs

Item No.	Standard Repair Prices	Kgs	Part No.
459	Repair Industrial Servo Motor 05 MM10070, MM10070/110	4.00	REPAIR1070
460	Repair Industrial Servo Motor 10 MM10072, MM10072/110	4.00	REPAIR1072
461	Repair Industrial Servo Motor 20 MM100074, MM10074/B, MM10074/B/110	6.00	REPAIR1074
462	Repair Industrial Servo Motor 40 MM10078, MM10078/110	8.00	REPAIR1078
463	Repair/Test Oil Valve Any oil valve - please quote number	2.00	REPAIROVALVE
464	Repair/Test Gas Valve Any gas valve - please quote number	2.00	REPAIRGVALVE
465	Repair and Test Temperature Load Detector MM10006/100/150/200/250/400	0.45	REPAIR1006
466	Repair and Test Pressure Load Detector MM10008, MM10008U	0.21	REPAIR1008
467	Repair and Test Pressure Load Detector MM10009, MM10009U	0.21	REPAIR1009
468	Repair and Test Pressure Load Detector MM10010, MM10010U	0.21	REPAIR1010
469	Repair Self Check UV Scanner MM60003/HS, MM60003/HS/SV	0.80	REPAIR6003
470	Repair Self Check IR Scanner MM60016, MM70017	0.80	REPAIRIR
471	Repair High Sensitivity Self Check UV Scanner MM60003/HS	0.80	REPAIR6003/HS
472	Repair UV Scanner MM60004, MM60004/U	0.20	REPAIR6004
473	Repair High Sensitivity UV Scanner MM60004/HSU	0.20	REPAIR6004/HS
474	Repair Gas Pressure Sensor MM60006, MM60008, MM60011, MM60012, MM60014	0.42	REPAIR6006
475	Repair Air Pressure Sensor MM60005, MM60013	0.42	REPAIR6005
476	Repair Oil Pressure Sensor MM60009	0.42	REPAIR6009
477	Repair Outside Temperature Sensor MM60007	0.32	REPAIR6007
478	Repair MK6 D.T.I. Module DTI60100, DTI60100/110	4.50	REPAIRDTI
479	Repair Digital I/O Module DTI20020, DTI20020/110	1.00	REPAIRDTI20020
480	Repair Analogue I/O Module DTI20021, DTI20021/110	1.00	REPAIRDTI20021
481	Repair Old D.T.I. Module DTI20010, DTI20010/110	3.50	REPAIRDTI20010
483	Repair Signal Convertor SP10020, SP10021	2.50	REPAIR/SIGNAL
484	Repair External Particulate Filter EGA20103/D	3.50	REPAIR20103
Please note the indicated price is a minimum price quoted and is not the final invoice price. The exact cost can only be established on completion of all repair work. Any units which are deemed to be Beyond Economical Repair will be held in quarantine for a maximum of 6 months. During this time the customer will be informed and may have the unit returned un-repaired or scrapped by Autoflame on their behalf. Any warranty returns to stock will be subject to testing before a decision is made for credit. This may also incur a re-stocking charge.			

Price List Terms and Conditions

All prices indicated are ex-works.

Standard Warranty

- * Electronic Equipment and assemblies: 2 years from date of sale
- * Electro-mechanical assemblies and parts: 2 years from date of sale
- * EGA system. Parts, components and sensors: 1 year from date of sale
- * EGA cells: 1 year from date of sale
- * IR Scanner: 1 year from date of sale
- * UV Scanners: 1 year from date of sale

Please note that prices shown may change subject to a 3% currency fluctuation

A full statement of our business terms and conditions are printed on the reverse of all invoices. A copy can be issued on written request.

Please do not hesitate to contact Autoflame for price or availability of any specific item that are not listed in this price list.

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