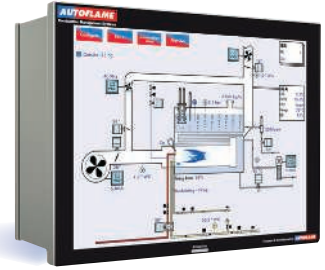# Choosing the correct controller

The Mini Mk8 is ideal for budget applications focused mainly on burner control.

The Mk8 MM offers expandability and is focused on complete boiler control.

Standard Features	Mini Mk8 MM Controller	Mk8 MM Controller
Screen size	7" (14x10.7cm)	12.1" (24.5x18.5cm)
Touchscreen	Single-touch resistive	Multi-touch capacitive
Flame safeguard	✓	✓
Air/fuel ratio control	✓	✓
IBS/lead-lag sequencing	✓	✓
Scheduling	✓	✓
Commissioning	✓	✓
VSD management	✓	✓
Reporting/graphing	✓	✓
FGR (Flue Gas Recirculation)	✓	✓
Channels	3 servos/1 VSD	4 servos/2 VSD 5th servo via access code
Lockout/error logging	Most recent 64 errors/lockouts	Most recent 128 errors/lockouts
Number of fuel curves	2	4
VPS (Gas Valve Proving)	✓	✓
Outside temperature	✓	✓
Login security	✓	✓
Back up commissioning data via IR port	✓	✓
Boiler log entries	1000	1000
Dual fuel support	✓	✓
Air pressure monitoring & proving	✓	✓
Oil pressure monitoring	–	✓
Fuel flow metering	✓	✓
Golden start facility	✓	✓
Commisioning points	20	20
Customizable graphics	✓	✓
Flame rod/UV change over option	✓	✓
Multi-language display	✓	✓
Metric/Imperial	✓	✓
UL, CE, AGA approvals	✓	✓
On-board technical manual	✓	✓

Available with software access code		
Direct Modbus connectivity	✓*	✓
Autoflame Water Level Management (AF WLM)	–	✓
Analogue water level management (requires AF WLM)	–	✓
Steam/heat flow metering	–	✓
Top blowdown/TDS	–	✓
Bottom blowdown	–	✓
Draft control	–	✓
First out annunciation	–	✓
Fully metered, cross-limited combustion control	–	✓

*Mini Mk8 does not require access code

SOFTWARE UNLOCK

Requires additional module or component		
Indirect Modbus connectivity	Requires DTI	Requires DTI
O2 trim	Requires O2 Module	Requires O2 Module
Three parameter trim (O2, CO2, CO)	Requires EGA	Requires EGA
Emissions monitoring & reporting	Requires EGA	Requires EGA

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