

Sirius FS (525)

Floor standing condensing boiler

The Sirius FS floor standing condensing boiler provides an energy efficient, cost effective heating solution for large commercial buildings, such as schools, hotels, nursing homes and leisure facilities. Both models benefit from the latest dual burner technology, which delivers an industry-leading modulation ratio of 10:1.



Features

Stainless steel heat exchanger

Very compact design

2 burner combustion system

0-10 V connections as standard

Free commissioning by Potterton Commercial engineers

Service plans are available

The controls can be programmed to work with solar thermal, biomass and buffer tanks

Benefits

Designed for maximum combustion performance and safety

Easy to fit in confined spaces

Spreads the heat demand across two burners, reducing wear and tear on components

For easy BMS interface

Ensures optimum performance, efficiency and savings

On-going support, whenever you need it

Sustainable, energy efficient, solution for a wide range of applications

Specification

Performance	Fuel Type		Sirius FS 525
Output @ 80 / 60°C	NG	kW	485.5
Output @ 50 / 30°C	NG	kW	527
Input (gross) maximum	NG	kW	554.9

Efficiency	Value (%)		
Efficiency @ 50 / 30°C – 100% load	% gross		95.1
Efficiency @ 50 / 30°C – 30% load	% gross		97.4
Current building regulations – Part L2 seasonal efficiency	% gross		97.2

Gas			
Gas consumption (natural gas)	m ³ /h		4.5-52.4
Inlet gas pressure (natural gas-G20)	mbar		18-20
Gas connection size	inches		2
Gas connection type	threads		Male threads

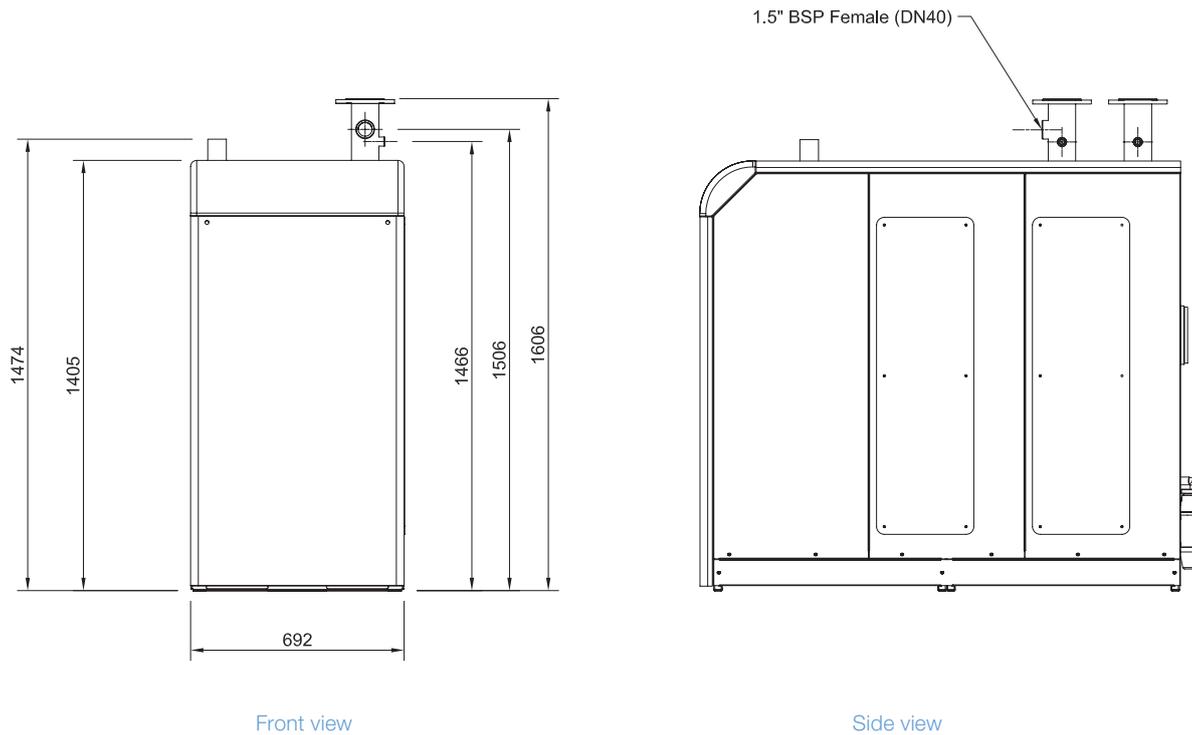
Flue			
Flue gas volume @ 80 / 60°C (NG)	m ³ /h@STP		875
Max flue gas pressure @ outlet	Pa		250

Hydraulic			
Water flow rate @ 15°C ΔT	l/s		8.4
Water flow rate @ 20°C ΔT	l/s		6.3
Hydraulic resistance @ 15°C ΔT	kPa		66
Hydraulic resistance @ 20°C ΔT	kPa		38
Water content	litres		43
Flow & return connection type	flanged		DN80 PN6
Flue connection size	mm		180
Max boiler operating pressure	bar		6
Min boiler operating pressure	bar		1
Maximum flow temperature	°C		90

General			
Appliance dry weight	Kg		424
Dimension W x D x H	mm		692x1558x1405
NO _x level (dry @ 0% O ₂) EN15502	mg/kWh		26 (45)
CO ₂ content – natural gas	%		9
Noise levels @ 1 metre from unit (room-sealed)	dB(A)		65
High level ventilation* (BS 6644)	cm ²		1,000
Low level ventilation* (BS 6644)	cm ²		2,000

Electrical			
Power consumption	W		322
Nominal supply voltage	V / Hz		230 V~ / 50 Hz

Dimensions



Front view

Side view

Sirius FS
500

Width	mm	692
Height	mm	1405
Depth	mm	1558
Clearances		
Front	mm	800
Left hand*	mm	400
Top	mm	600
Back	mm	600
Right hand*	mm	600



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