

Product Series	Selecta
Issue Date :	December 2003



TECHNICAL SPECIFICATION SHEET

MODEL : System

No of SECTIONS : One piece casting

General Details

Fully condensing wall mounted boiler supplied c/w electronic temperature and safety controls.
 One piece cast aluminium heat exchanger. Powder coated, enamel steel casing forming sealed air box.
 Ultra low Nox, high / low or fully modulating with 4:1 turn down on heating and 6:1 turn down on hot water production, pre - mix burner, gas/air ratio control for maximum efficiency and minimum emissions.
 Intelligent "abc[®]" boiler control system c/w numerical display providing operating and service parameters.
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

Output @ 80/60°C kW :	16	Efficiency % GCV :	> 98
Weight (dry) kgs :	45	Min Gas Pressure mbar :	17 NG
Overall Dim WxHxD mm :	480x736x340	Min Gas Pressure mbar :	37 LPG
Radiated Losses % :	< 0.1	Casing Colour BS RAL :	9016

BURNER TYPE (Pre-mix)

Std Fuel Available :	Natural Gas & LPG	Gas Conn. Size mm :	Ø 15
Flame Protection :	Ionisation	Nox Level ppm @ 0% O₂ :	< 25
Noise Levels dB(A) :	< 48	Conversion Kit for LPG:	Yes
Ignition :	Electronic	Gas Consumption M³/h:	0.5 – 1.7 NG (HTG)
		Gas Consumption M³/h:	0.5 – 2.5 NG (HWS)

HYDRAULICS (Sealed system only)

Water Content ltrs :	2.6	Min Flow Rate l/s :	None
Expansion Vessel Size:	10 litres	Std Operating Temp °C :	20 – 90
Min Return Temp °C	20	Max Operating Temp °C :	90
Safety Valve Setting:	3 Bar	Boiler Connections mm :	Ø 22
Op Press min/max bars :	0.8 / 3.0 Sealed		
Pump Details:	Wilo RSL 15/5-3		
Condensate Conn mm :	Ø 25 o/d flexible		

FLUE/ AIR INLET (Concentric connection supplied for room sealed operation only)

Residue Fan Duty Pa :	95	Air Inlet Connection mm :	-
Flue Diameter mm :	60/100 Concentric	Flue Gas Mass kgs/hr :	26 / 39
Flue Gas Volume Cu M/h :	-		

ELECTRICAL

Insulation Class IP :	20	Power Supply :	230.1.50
Start Current amps :	-		
Fuse Rating Amps :	3	Power Consumption W :	130
Modulating input V dc :	-	Controls Voltage V ac :	24v

CONTROLS & EQUIPMENT

Standard :	Control thermostat, high limit thermostat, on-board system pump, on-board expansion vessel, on-board safety valve, on-board weather compensation, automatic frost protection.
Optional :	Honeywell Chronotherm, outside sensor, internal digital time clock (kit 3), mains voltage to volt free relay (kit2), LPG conversion kit, 3 port valve kit (kit1).

Product Series	Selecta
Issue Date :	December 2003



TECHNICAL SPECIFICATION SHEET

MODEL : Combi

No of SECTIONS : One piece casting

General Details

Fully condensing wall mounted boiler supplied c/w electronic temperature and safety controls.
 One piece cast aluminium heat exchanger. Powder coated, enamel steel casing forming sealed air box.
 Ultra low Nox, high / low or fully modulating with 4:1 turn down on heating and 6:1 turn down on hot water production, pre - mix burner, gas/air ratio control for maximum efficiency and minimum emissions.
 Intelligent "abc[®]" boiler control system c/w numerical display providing operating and service parameters.
 Manufactured to ISO 9001. CE approved and supplied pre-assembled.

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BURNER TYPE (Pre-mix)

Std Fuel Available :	Natural Gas & LPG	Gas Conn. Size mm :	Ø 15
Flame Protection :	Ionisation	Nox Level ppm @ 0% O₂ :	< 25
Noise Levels dB(A) :	< 48	Conversion Kit for LPG:	Yes
Ignition :	Electronic	Gas Consumption M³/h:	0.5 – 1.7 NG (HTG)
		Gas Consumption M³/h:	0.5 – 2.5 NG (HWS)

HYDRAULICS (Sealed system only)

Water Content ltrs :	2.6	Min Flow Rate l/s :	None
Expansion Vessel Size:	10 litres	Std Operating Temp °C :	20 – 90
Min Return Temp °C	20	Max Operating Temp °C :	90
Safety Valve Setting:	3 Bar	Boiler Connections mm :	Ø 22
Op Press min/max bars :	0.8 / 3.0 Sealed	DHW Inlet mm:	Ø 15
Pump Details:	Wilo RSL 15/5-3	DHW Outlet mm:	Ø 15
Condensate Conn mm :	Ø 25 o/d flexible		

FLUE/ AIR INLET (Concentric connection supplied for room sealed operation only)

Residue Fan Duty Pa :	95	Air Inlet Connection mm :	-
Flue Diameter mm :	60/100 Concentric	Flue Gas Mass kgs/hr :	26 / 39
Flue Gas Volume Cu M/h :	-		

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Start Current amps :	-		
Fuse Rating Amps :	3	Power Consumption W :	130
Modulating input V dc :	-	Controls Voltage V ac :	24v

CONTROLS & EQUIPMENT

Standard :	Control thermostat, high limit thermostat, on-board system pump, on-board expansion vessel, on-board safety valve, on-board weather compensation, automatic frost protection.
Optional :	Honeywell Chronotherm, outside sensor, internal digital time clock (kit 3), mains voltage to volt free relay (kit2), LPG conversion kit.