



# Compact A

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High efficiency steel boiler with pressurised combustion chamber – match with natural gas, LPG or oil burner.

## Product Features

- Floor standing reverse flame heating boiler
- Robust and reliable steel construction
- Choice of pressure jet oil or forced draught gas burners available
- 3 models of 74 to 235 kW output (larger sizes on request)
- 125mm glass wool insulation
- Combustion chamber door equipped with facility for left or right hand opening
- Control panel including thermostats, thermometer, indicators, power socket and on/off switch
- Delivered to site as a bare shell
  - Allows easy off-loading and positioning
  - Insulation and casing are packed separately, for assembly after installation to avoid damage



## Easy Maintenance

Easy access to the combustion chamber means that cleaning of the boiler and flueways is straightforward.

		Compact A 100	Compact A 150	Compact A 200*
Fuel		Oil (35 sec) or Natural gas/LPG		
Burner options		Pressure Jet oil - forced draught nat gas/LPG		
Maximum input	kW	109	161	260
Minimum input	kW	82	134	137
Maximum output	kW	100	140	235
Minimum output	kW	74	115	185
Mass rate of combustion products - gas	kg/h	189	254	451
Mass rate of combustion products - oil	kg/h	199	288	466
Total capacity	L	102	122	150
Primary connections (flange)	Ø	DN50	DN50	DN65
Safety valve connection (female BSP)	Ø	1"	1"	1"
Open vent connection (female BSP)	Ø	1"	1"	1"
Primary pressure drop	mbar	2 - 5	5 - 11	11 - 31
Flue circuit pressure drop	mbar	0.22 - 0.48	0.68 - 0.96	1.83 - 2.5
Flue connection	mm	200	200	200
Weight empty (excluding burner)	kg	315	380	470
Weight Full (excluding burner)	kg	417	502	620
Natural gas flow rates	m <sup>3</sup> /h	11.4	15.9	26.7
Oil flow rate	Ltrs/hr	9.08	13.35	15.58
Maximum operating temperature	°C	90	90	90

**\*Larger sizes available upon request.**

Maximum operating pressure Primary: 5 bar

**Dimensions** (excluding burner)

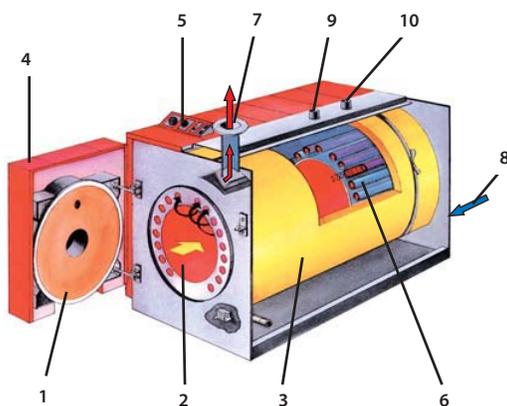
		Compact A 100	Compact A 150	Compact A 200
Length	mm	1295	1495	1795
Height	mm	1000	1000	1000
Width	mm	796	796	796

**Characteristics**

**Control Panel**

The control panel includes:

- On/Off switch
- Thermometer
- High/Low thermostats
- High/Low indicator lamps
- High limit thermostat
- Door open warning lamp



1. Ceramic fibre insulation moulded in one piece overlaid on mineral wool mattress
2. Combustion chamber
3. Glass wool insulation
4. Combustion chamber door
5. Control panel
6. Flue tubes with bimetallic spiral turbulators
7. Primary water flow connection
8. Primary water return connection
9. Safety valve connection
10. Open vent connection