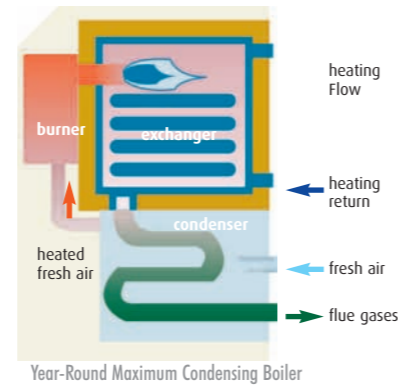


THE R SERIES YEAR-ROUND MAXIMUM CONDENSING BOILER BURNS
RAPE SEED OIL, BIO-DIESEL, LIGHT OIL, KEROSENE, NATURAL GAS AND LPG

R SERIES

YEAR-ROUND MAXIMUM CONDENSING BIO-FUEL BOILER Range from 10kW to 630kW

The R Series Year-Round Maximum Condensing Boiler has two distinct heat exchangers, the first of developed quality steel design and the second of high grade plastic design. The flue gases leave the first heat exchanger at temperatures below 90°C, and are then extracted from the second heat exchanger at temperatures always below 50°C. The introduction of combustion air through the condensing exchanger lowers the flue gas temperature below dewpoint, hence there is no need for return water temperature to be low. The boiler will condense to its maximum efficiency even at 82°C flow and 71°C return. For combustion air, at inlet temperatures below 30°C, efficiencies always exceed 92%. These conditions apply throughout the year in the UK. The R-Series Boiler burns rapeseed oil, bio-diesel, light oil, kerosene, natural gas and LPG. Future development will include vegetable and waste oil. For all these fuels efficiencies exceed 92% GCV rising to 99.5% GCV.



Energy rating 'A'



Model R	R15	R22	R40	R60	R90	R150	R200	R300	R400	R500	R600
Maximum Output kW	17	22	41	61	91	153	225	315	460	530	630
Minimum Output kW	10	14	25	45	63	75	150	150	200	250	300
Dry Weight kg	125	175	275	425	680	980	1000	1500	1875	1975	2100
Height (mm)	1165	1275	1430	1450	1648	1880	1985	2138	2308	2308	2308
Width (mm)	350	445	545	605	550	845	1225	1280	1440	1440	1440
Depth (mm)	940	940	1220	1220	1330	1670	2140	2070	2800	2850	2850

The RPSO rape seed oil boiler burns renewable fuel and, at the same time, halves the energy burnt!

Features:

Efficiency between 92 and 99% GCV

Higher efficiency at maximum mid-winter load

No Pollution

Environmentally friendly

Ultra high efficiency + cheap fuel = major savings

Year round condensing boiler even with constant temperature 82°C-71°C

Modulating burners from 5kW upwards

ATLANTIC SUPPLY MANY OTHER FORMS OF BOILER WITHIN THE UK

M SERIES MODULATING LOW NO_x CONDENSING BOILER

OUTPUTS FROM
29kW to 472kW

The M Series Modulating Low-Nox Condensing Boiler has a unique fully pre-mix natural gas burner. Filtered air is drawn from the boiler room, which then passes through a venturi where it mixes with the natural gas supply before passing through a variable speed centrifugal fan. The air/natural gas mix then passes vertically down a series of burner tubes where it is ignited to give a circular 'carpet of flame' running evenly from top to bottom of the combustion chamber

Heat output can be modulated from 100% down to 25% Throughout the range, the NO_x level remains below 40mg/m³

LRK SERIES MODULATING CONDENSING BOILER

OUTPUTS FROM
530kW to 3000kW

The LRK Series is designed for oil and gas firing with efficiencies from 85% GCV to more than 95% GCV. The three-pass exchanger embodies quality, longevity, engineering and reliability. No minimum flow rate is required and the hydraulic design eliminates thermal stress and cold spots. There is modulation down to 17% output for gas and down to 40% output for oil.



KDB GAS & OIL COMBINATION BOILERS

OUTPUTS FROM
58kW to 232kW

The KDB range of combination boilers are free-standing, providing both space heating and domestic hot water with either oil, kerosene, LPG or natural gas. The boiler shell is manufactured from SUS444 austenitic stainless steel (models 535 & 735) or from high grade SHP steel (models 1035, 1535 & 2035). The patented combustion chamber and heat exchanger is also made from SUS444 stainless steel. The powerful domestic hot water coil is made from SUS 304L austenitic stainless steel (models 535 & 735) and from copper (models 1035, 1535 & 2035). The efficiency of these combination boilers is in the range 82% to 84%GCV and can be raised to more than 92%GCV using the add-on RT or TECHNAPLUS condensing economiser. In addition, the boilers can be used alongside domestic hot water buffer storage where heavy peak demands occur - as in Sports Pavilions and Changing Rooms serving extensive playing area.



NA-R ECONOMIC REVERSE FLAME HOT WATER BOILER

OUTPUTS FROM
70kW to 2907kW

The NA-R reverse flame hot water boilers fired by Natural Gas, LPG, Light and Heavy Oil. Heat outputs from 70kW to 2907kW, Working temperatures up to 110°C, Working pressures up to 8 BARS. The Burner Flame is reversed in the same chamber. The returning hot gases are forced to meet the burner flame to ensure full combustion. The intensive heat of the reversing flame is transferred to the boiler water. Final heat transfer occurs in the following tubular passages. Gas turbulators increase the heat transfer to a maximum level.



GWR, COMPACTE and MULTI-ELEC ELECTRIC BOILERS

OUTPUTS FROM
36kW to 630kW

The COMPACTE electric boiler is designed for any low pressure hot water heating system up to 95°C working temperature and 4BARS working pressure. The models range from 36kW to 72kW with two-stage control of output. Generally the COMPACTE is available within a few days of order.

The MULTI ELEC electric boiler is designed for any low pressure hot water heating system up to 95°C working temperature and 4BARS working pressure. The models range from 36kW to 630kW with three-stage control of output. The models 36kW to 288kW are available within a few weeks of order.

The GWR wall-mounted electric boiler is designed for heating systems up to 85°C and 3 BARS working pressure. There is a low temperature model arranged to work at 55°C or below. The four models range from 6kW to 18 kW output. The GWR is available within a few days of order.



ATLANTIC BOILERS has supplied condensing and highly efficient boilerplant to many Universities, Hotels, Hospitals, Social Care Buildings, Leisure Centres, Offices and Housing Developments, plus other types of building. Coupled with the boilers, ATLANTIC also supply condensing and highly efficient domestic hot water generation, and back-up commissioning, spares and servicing throughout the UK.