

# RT

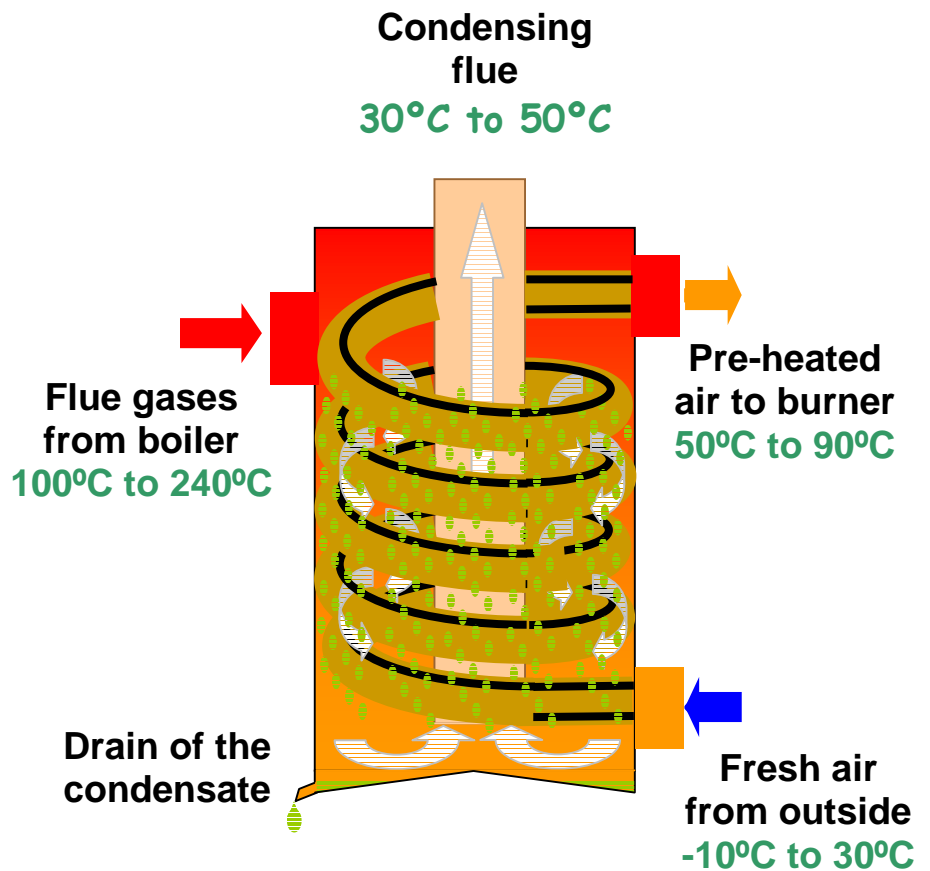
## ADD-ON AIR CONDENSING ECONOMISER

### Features:

- ✓ **CONDENSING AT ANY RETURN TEMPERATURE**  
from 20°C to 80°C
- ✓ **SIMPLE BOILER ADD-ON**
- ✓ **YEAR-ROUND CONDENSING**  
Boiler efficiency raised to:
  - 92%GCV in Summer
  - 96%GCV in Winter
- ✓ **AVAILABLE FOR ALL FUELS**
  - Light oil
  - Kerosene
  - Natural gas
  - LPG
  - Rapeseed oil
  - Biomass



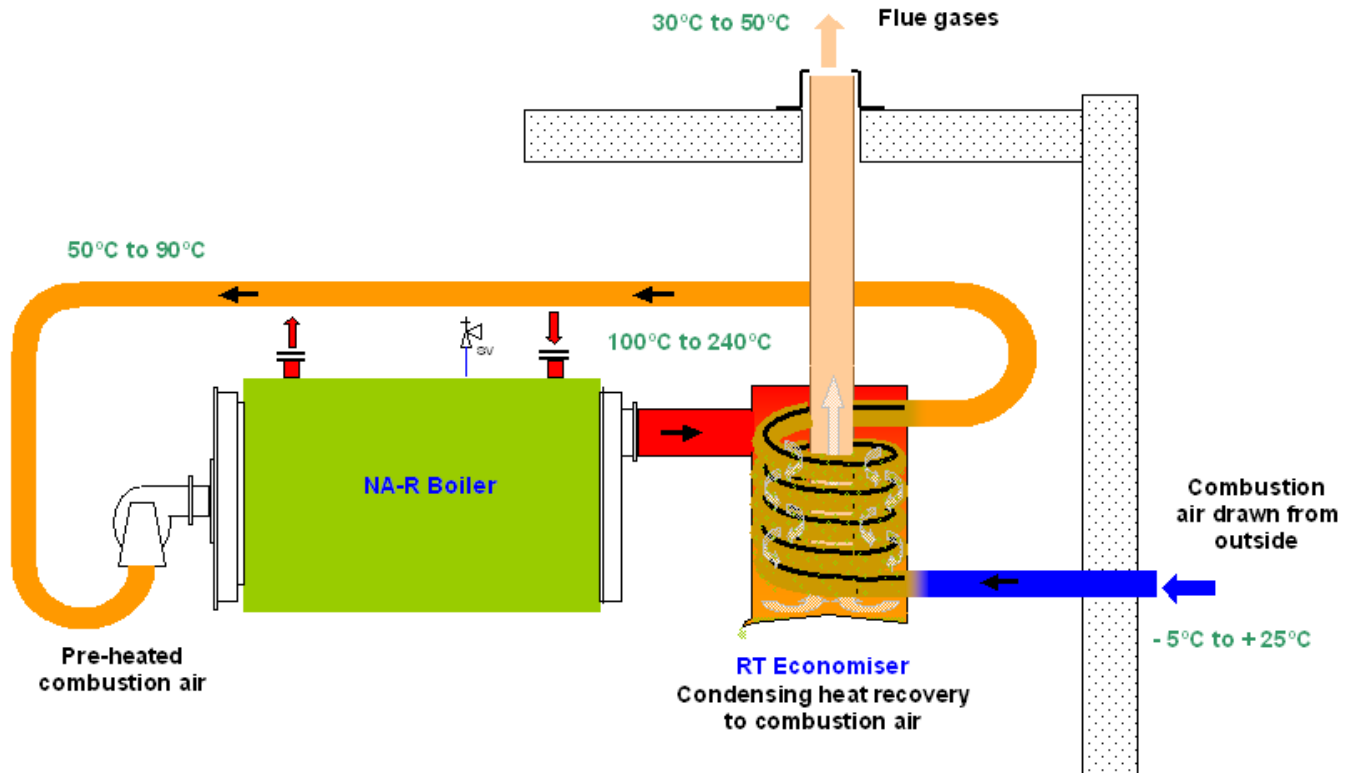
**RT 3000**



**ATLANTIC BOILERS**

Atlantic Boilers Box 11, Ashton Under Lyne, Lancashire, O16 7TR  
Tel: 0161 621 5960 or: 020 7237 4912 Fax: 0161 621 5966  
E-mail: [info@atlanticboilers.com](mailto:info@atlanticboilers.com) Web [www.atlanticboilers.com](http://www.atlanticboilers.com)

The RT add-on air condensing economiser is capable of converting a high efficiency boiler with flue gases leaving the boiler at temperatures up to 240°C into a condensing boiler with flue gases leaving at temperatures between 30°C and 50°C. Boiler efficiency rises from around 83%GCV to the range 92%GCV and 96%GCV or more. The principle is that outside air is drawn for combustion at temperatures of 30°C to - 5°C or lower. The air is pre-warmed by boiler flue gases, reducing the heat requirement of the burner fuel. The condensing heat transfer is handled by the high grade plastics in the RT add-on air condensing economiser.



### PERFORMANCE

Model		RT60	RT100	RT200	RT400	RT1000	RT3000
Boiler maximum range	kW	60	100	200	400	1000	2500
Resistance to flue gases	mBAR	0.3	0.5	0.6	0.8	1.5	2.5
Resistance to air passage	mBAR	0.5	1	1.2	1.5	3.5	6
Dry Weight	kg	20	25	45	120	200	300
Working pressure	mBAR	25	25	25	25	25	25
Heat recovery with flue gases temperatures at 50°C	kW	5	9	18	36	90	225
Heat recovery with flue gases temperatures at 30°C	kW	9	14	29	57	143	358

### DIMENSIONS

Parameter	Unit	RT60	RT100	RT200	RT400	RT1000	RT3000
Diameter	mm	315	500	500	700	1120	2000
Height	mm	700	800	960	1000	1600	1800

### CONNECTIONS

Connection	Unit	RT60	RT100	RT200	RT400	RT1000	RT3000
Fresh air inlet (from outside)	mm	80	90	110	140	250	315
Fresh air outlet (to the burner)	mm	80	90	110	140	250	315
Flue gases inlet (from boiler)	mm	130	160	200	250	400	450
Flue gases outlet (to chimney)	mm	110	140	160	200	315	315

\* All the dimensions and connections can be altered to suit any installation requirements, please contact Atlantic

### Specification

The RT add-on air condensing economiser is of galvanised steel and high-grade plastic design. The outer circular shell is fabricated from 4mm thick TECHNAFLOX-E with reinforcing ribs which also support the hot air collector and, separately, the cold air intake. The heat exchange is provided by the incoming air being carried in a series of flexible pipes and surrounded by the out-going hot combustion gases. The air inlet and outlet, together with the flue gas inlet and outlet can be built into different quadrant positions to satisfy the site layout