

**RANGE**  
1170kW to  
5000kW



# EUROMAX

**Oil, bio-liquid or gas**  
**3 pass hot water boiler**

**MAXIMUM OPERATING**  
**TEMPERATURE: 150°C**

**OPERATING PRESSURE RANGE:**  
**3BARS to 8BARS**

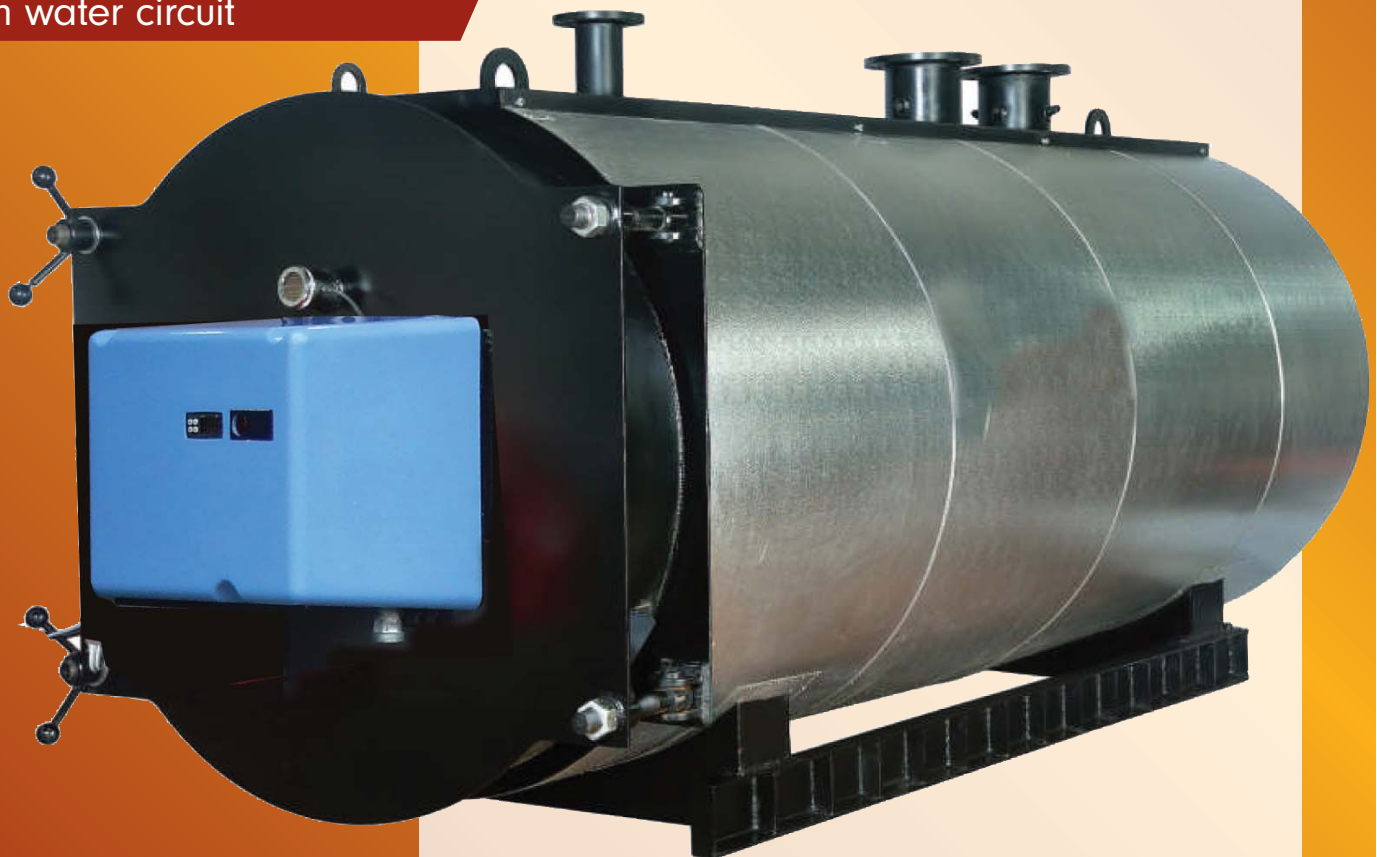
Three pass design gives  
balanced heat transfer

Stable performance at  
low heat loads

Boiler design aids low  
pollution level

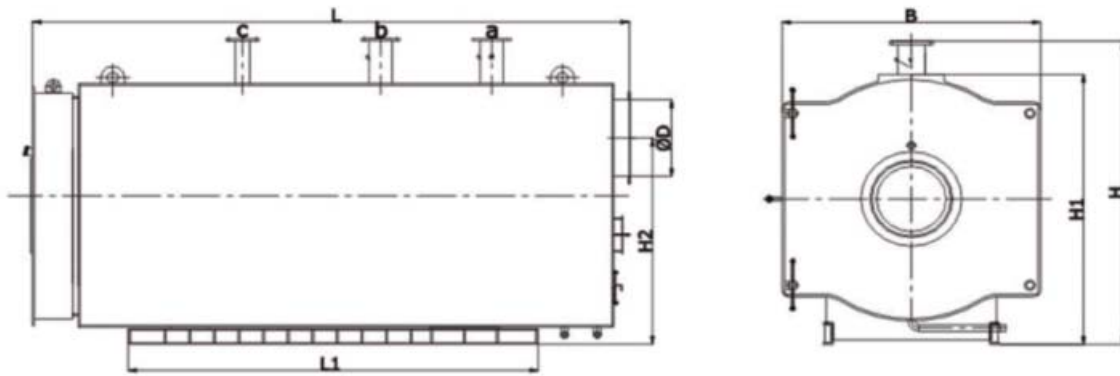
Standing losses minimised by  
120mm thick glass silk insulation

Integrated injector plates for  
return water circuit



LLOYDS  
CERTIFICATE





## PERFORMANCE, DIMENSIONS & CONNECTIONS

### PERFORMANCE

Model		EU1170	EU1455	EU1745	EU2330	EU2910	EU3500	EU4000	EU5000
<b>Maximum Output</b>	kW	1170	1455	1745	2330	2910	3500	4000	5000
<b>Gas input</b>	m <sup>3</sup> /Hr	143	179	214	290	358	430	491	614
<b>Oil input</b>	kg/hr	117	146	174	236	291	350	400	500
<b>Min water flow</b>	kg/sec	12.8	15.8	18.9	25.3	31.4	38.1	43.3	54.4
<b>Water Pressure Drop</b>	kPA	3.0	3.0	3.0	3.5	3.5	4.0	4.0	4.5
<b>Flue gas pressure drop</b>	mBAR	5.2	6.2	7.0	8.7	9.2	9.4	9.4	9.8
<b>Dry weight</b>	kg	2818	3393	3686	4186	5602	6515	7229	9022
<b>Water content</b>	ltrs	1790	2180	2270	2600	2850	4000	4660	6680

### DIMENSIONS

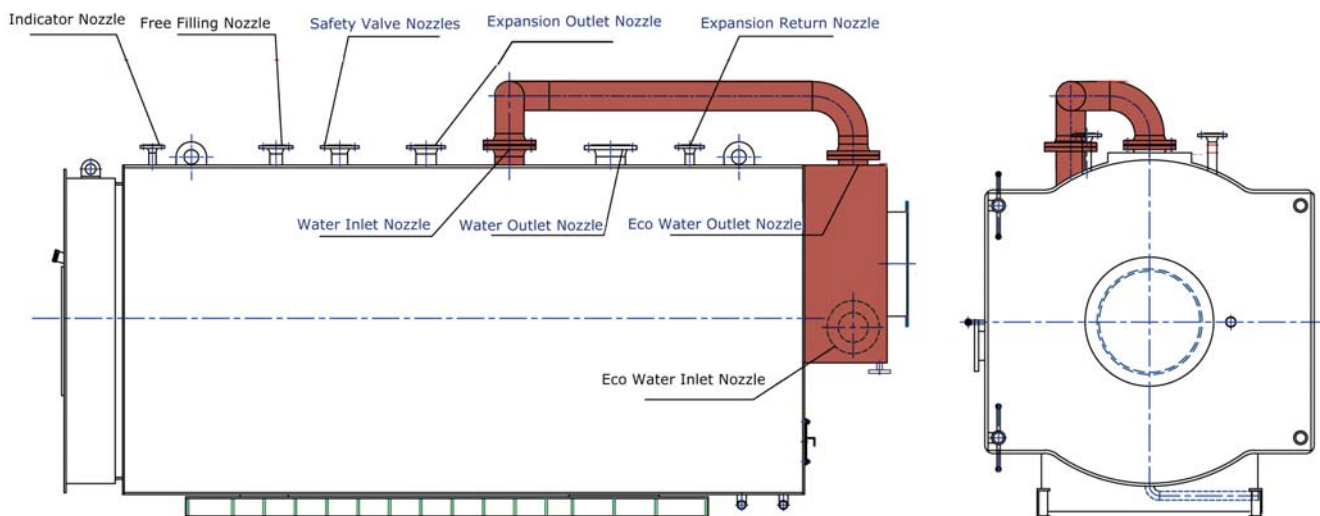
Model		EU1170	EU1455	EU1745	EU2330	EU2910	EU3500	EU4000	EU5000
<b>L</b>	mm	3175	3550	3730	3875	4180	4545	4795	4950
<b>L1</b>	mm	2215	2570	2710	2915	3210	3565	3815	3960
<b>B</b>	mm	1400	1460	1490	1550	1700	1790	1855	2030
<b>H</b>	mm	1750	1815	1845	1885	2055	2145	2210	2385
<b>H1</b>	mm	1567	1630	1660	1700	1870	1960	2025	2200
<b>D</b>	mm	300	350	350	400	400	500	500	600

### CONNECTIONS

Model		EU1170	EU1455	EU1745	EU2330	EU2910	EU3500	EU4000	EU5000
<b>a water outlet DN</b>	mm	125	125	150	150	200	200	250	250
<b>b water return DN</b>	mm	125	125	150	150	200	200	250	250
<b>c safety valve DN</b>	mm	40	40	50	50	65	65	65	80
<b>drain</b>	mm	40	40	40	40	40	40	40	40

# EUROMAX-C OIL, BIO-LIQUID OR GAS

## 3 pass hot water boiler with inbuilt dry economiser

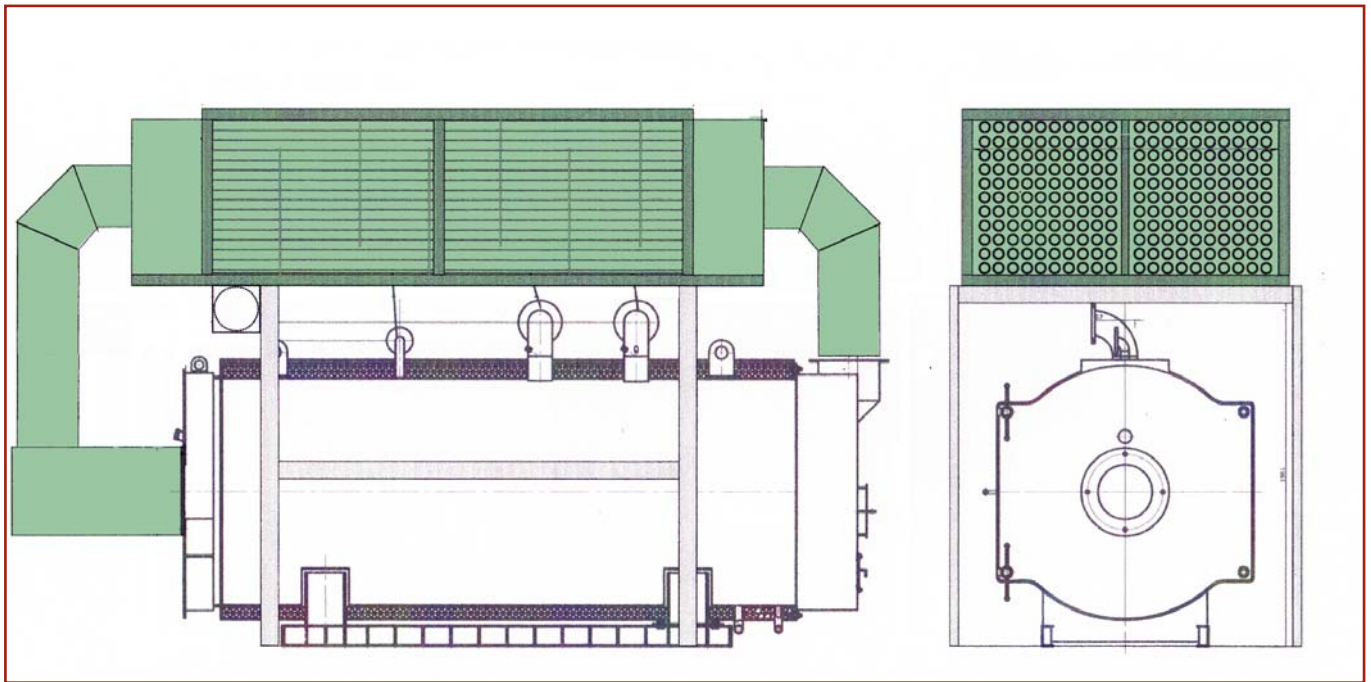


**EUROMAX-C leading dimensions, plus connections and performance of the inbuilt economisers**

<b>EUROMAX OUTPUT KW</b>	1170	1455	1745	2330	2910	3500	4000	5000
<b>C output at 60°C return</b>	46	59	74	105	138	175	212	289
<b>Length mm</b>	3675	4010	4175	4375	4650	5030	5322	5550
<b>Width mm</b>	1520	1520	1625	1800	1860	2000	1985	2130
<b>Height mm</b>	1750	1750	1845	1885	2055	2145	2210	2385
<b>C connections DN</b>	125	125	150	150	200	200	250	250
<b>C water content litres</b>	1791	2178	2270	2600	2848	3998	4663	6678
<b>C min water flow l/sec</b>	13.9	17.5	20.1	27.8	34.7	41.7	47.8	59.7
<b>Total flue gas drop mBAR</b>	6.8	7.8	8.6	10.5	11	11.2	11.2	11.5
<b>Flue gas outlet temp for 60°C water return</b>	76	76	76	77	78	79	78	78
<b>Gas %GCV efficiency</b>	87.5	87.5	87.5	87.3	87.1	87.0	87.1	87.1
<b>Oil %GCV efficiency</b>	87.9	87.9	87.7	87.5	87.5	87.4	87.5	87.5

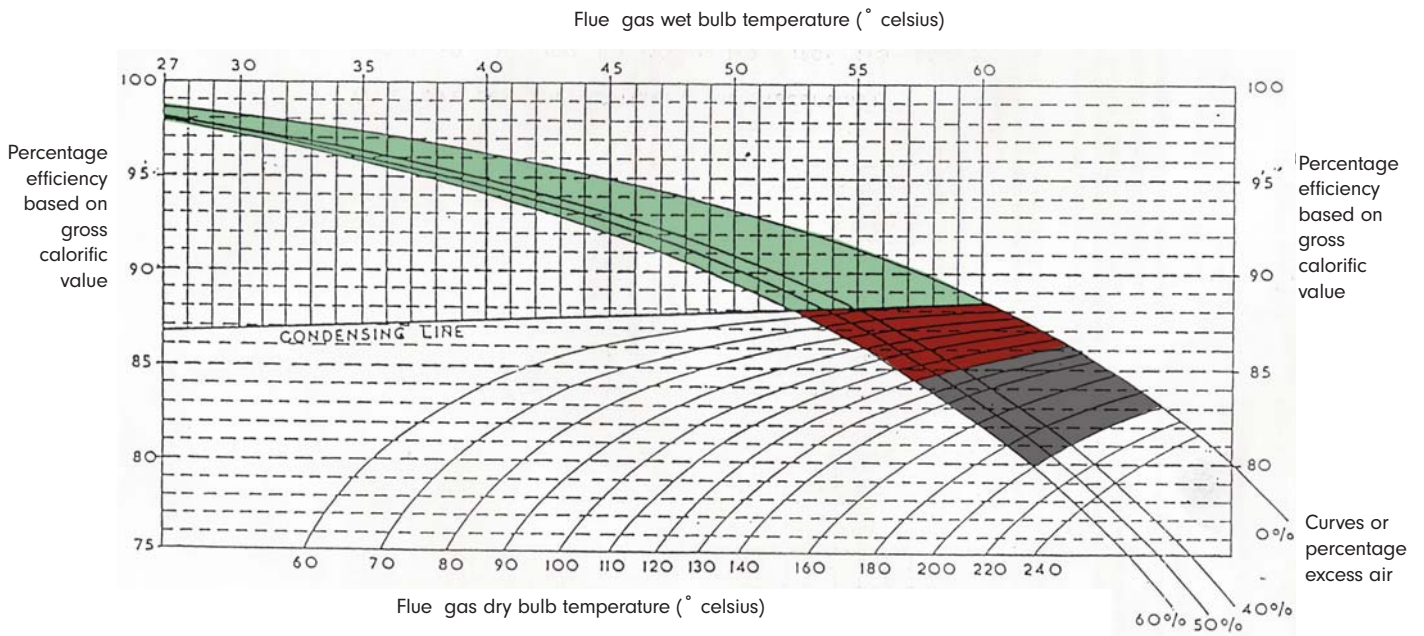
# EUROMAX-RT OIL, BIO-LIQUID OR GAS

3 pass hot water boiler with add-on condensing economiser



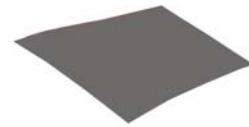
**EUROMAX-RT leading dimensions, plus connections and performance of the of the add-on condensing economisers**

<b>EUROMAX OUTPUT KW</b>	1170	1455	1745	2330	2910	3500	4000	5000
<b>RT output at 10°C entry air</b>	122	152	183	244	305	367	420	525
<b>Length mm</b>	3985	4320	4485	4685	4960	5340	5632	5860
<b>Width mm</b>	2120	2120	2225	2400	2460	2600	2585	2730
<b>Height mm</b>	3150	3150	3245	3285	3655	3745	3810	3985
<b>FOR DIFFERENT BOILER ROOM ARRANGEMENTS, ALTERNATIVE RT ADDITIONS ARE AVAILABLE</b>								
<b>RT flue connections</b>	300	350	350	400	400	500	550	600
<b>Flue gas drop mBAR</b>	9.0	9.0	10.0	10.0	11.0	11.5	11.5	11.5
<b>Flue gas outlet temp °C for 10°C entry air</b>	40	40	40	40	40	40	40	40
<b>Gas %GCV efficiency</b>	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
<b>Oil %GCV efficiency</b>	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5



## Combustion Efficiency Graph

The graph indicates how the efficiency of the EUROMAX boiler is raised from an effective 3-pass boiler with an efficiency range of 83 to 85% GCV.



Firstly, by introducing the EUROMAX-C inbuilt dry economiser into an efficiency range of 86 to 88% GCV,



and secondly by adding on the EUROMAX-RT condensing economiser to give an ultimate range of 92 to 97% GCV.



All these proposals take place without major change to the constant pipework arrangements associated with 3-pass dual fuel boilers.



HIGH EFFICIENCY CONDENSING BOILER-PLANT

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