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# FTC series

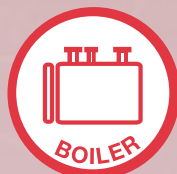
## Condensing Fire tube Boiler

### FEATURES

- 90 % plus efficiency
- 316 Stainless Steel condensing section
- Modulating burner control
- 500 kPa standard operating pressure
- Volt free contactors for run flame fail and high limit
- Relief valve (supplied loose)
- Pressure/Temp Gauge
- 3 Pass wetback design

### OPTIONAL EXTRAS

- Special operating pressure up to 1000 kPa
- Duplex Stainless Steel Condensing Section
- Flue Fan (reduces commissioning, improves efficiency, lowers flue costs)
- Weatherproofing



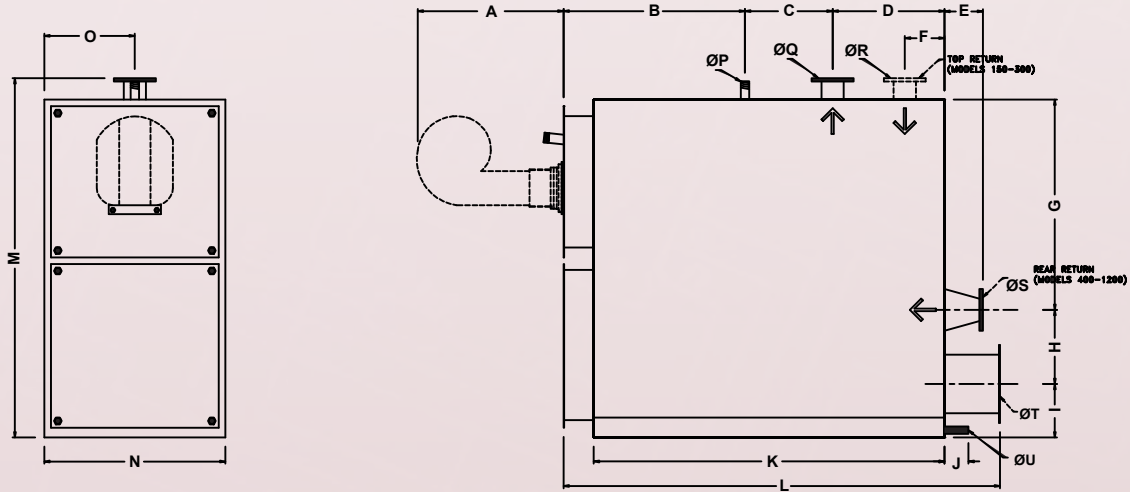
# AIRA

[www.aira.com.au](http://www.aira.com.au)

03 9839 8000

# FTC series

## Condensing Fire tube Boiler



### DIMENSIONS (mm)

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	ØP	ØQ	ØR	ØS	ØT	ØU
150	600	790	275	405	—	105	—	—	490	190	1302	1650	1410	875	387,5	40	DN80	DN80	DN80	200	25,4
200	600	890	275	405	—	105	—	—	490	190	1405	1793	1410	875	387,5	40	DN80	DN80	DN80	200	25,4
250	600	870	350	405	—	105	—	—	500	190	1552	1942	1460	905	400	50	DN100	DN100	DN100	250	25,4
300	600	970	400	405	—	105	—	—	500	190	1705	2100	1460	905	400	50	DN100	DN100	DN100	250	25,4
400	600	920	450	490	160	—	920	320	270	170	1800	2220	1705	835	365	50	DN100	DN100	DN100	300	25,4
500	650	931	450	490	160	—	1000	390	275	160	1800	2235	1845	930	415	50	DN100	DN100	DN100	300	25,4
600	650	1005	520	520	160	—	1000	390	275	160	1970	2400	1845	930	415	65	DN100	DN100	DN100	300	25,4
700	850	1130	650	490	160	—	1000	390	260	170	2205	2645	1845	930	415	65	DN125	DN125	DN125	300	25,4
800	850	1030	550	420	160	—	1200	390	315	170	1800	2280	2035	1012	455	65	DN125	DN125	DN125	400	25,4
1000	850	1330	800	420	160	—	1200	390	315	170	2350	2820	2035	1012	455	80	DN150	DN150	DN150	400	25,4
1200	850	1550	980	420	160	—	1200	390	315	180	2750	3220	2035	1012	455	80	DN150	DN150	DN150	400	25,4

### SPECIFICATIONS (mm)

MODEL	150	200	250	300	400	500	600	700	800	1000	1200
Type of Fuel NG OR LP											
OUTPUT (KW) 80/60C	150	210	268	328	432		600		810	1000	1220
OUTPUT (KW) 50/30C	160.5	224	286	350	462		642		866	1070	1286
EFFICIENCY 80/60 %	91	90	90	90	91		90		90	90	89
EFFICIENCY 50/30 %	97.5	96.5	96.5	96.5	97.5		96.5		96.5	96.5	95.5
Flue gas Temp <45-75 C°											
Flue Gas Max (kg/Sec) *	0.07	0.09	0.12	0.15	0.2		0.26		0.35	0.43	0.54
Resistance to gas Boiler (mbar)	2	2.7	3.2	4.6	5		5.5		5.9	6.3	6.8
Combustion chamber volume	172	172	241	279	442		496		753	845	1037
Total gas Vol. Dm <sup>2</sup>	253	277	413	482	737		860		1290	1454	1763
total heating surface M <sup>2</sup>	6.1	8.8	13	16.3	21.8		28.8		39.6	46.5	56.2
Operating Pressure KPA	500	500	500	500	500		500		500	500	500
Max Operating Temp 100 C°											
dT = 10C (mbar water resistance)	150.1	100.4	121.5	128.7	30.2		33.8		46.4	54	36
dT = 20C (mbar water resistance)	36.3	28.4	30.6	28.7	8.5		9		13.4	16.3	10.2
Total water volume (l)	323	360	495	555	743		770		1320	1395	1825

Note

\* Return water temp depends on (30-60C°)

Max heat load, Return Temp 60 C°Flow temp of 80 C°and 9.7% mitar

Specifications subject to change without notice

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