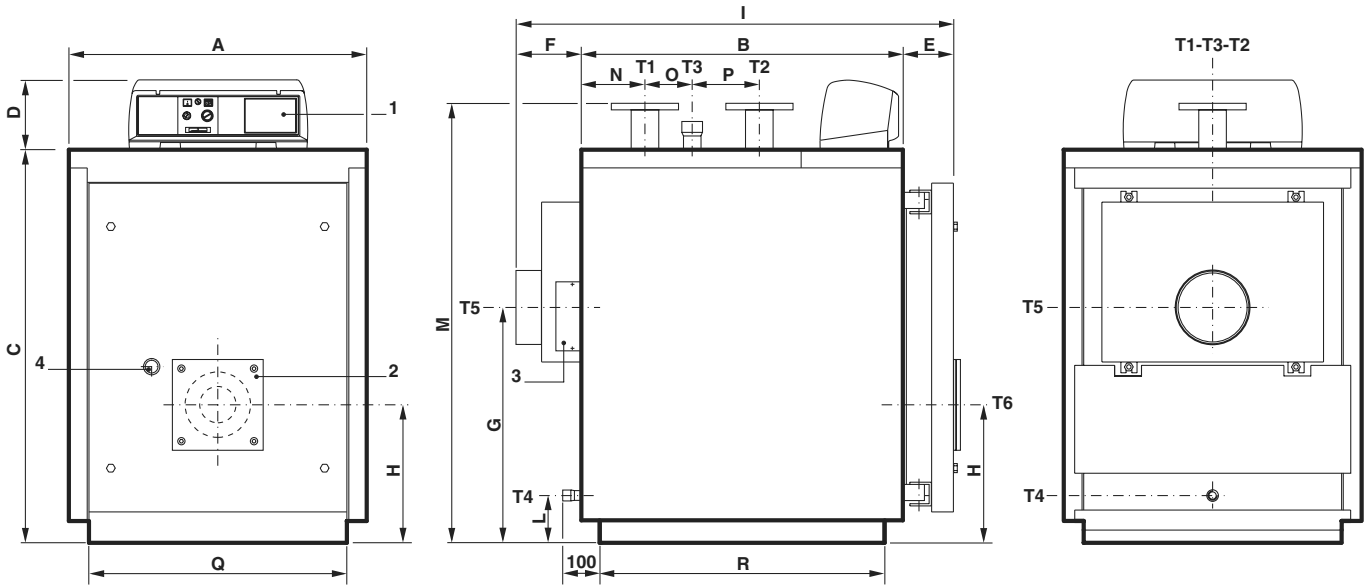


### 1.3 - DIMENSIONS AND HYDRAULIC CONNECTIONS FOR ELLPREX 170÷630



- 1 Panel board
- 2 Burner fixing plate
- 3 Smoke chamber cleaning door
- 4 Sight glass

- T1 C.H. flow
- T2 C.H. return
- T3 Expansion vessel connection
- T4 Boiler drain

- T5 Flue socket
- T6 Max. burner blast tube dia.

fig. 2

ELLPREX Model	Nominal Output kW	Nominal Input kW	Water content l	Water side pressure loss(**) m w.c.	Smoke side pressure loss mm w.c.	Maximum working pressure bar	Weight kg	CONNECTIONS				
								T1 T2 UNI 2278 PN16	T3 ISO 7/1	T4 ISO 7/1	T5 Øi mm	T6 Ø mm
ELL 170	130÷170	140÷186	190	0,09÷0,15	9÷15	6	435	DN 65	Rp 1 ½	Rp ¾	200	180
ELL 240	180÷240	195÷262	251	0,19÷0,33	15÷28	6	510	DN 65	Rp 1 ½	Rp ¾	200	180
ELL 290	220÷290	239÷317	264	0,12÷0,21	13÷25	6	588	DN 80	Rp 2	Rp ¾	250	210
ELL 340	255÷340	277÷371	298	0,16÷0,28	17÷34	6	629	DN 80	Rp 2	Rp ¾	250	210
ELL 420	315÷420	342÷459	398	0,09÷0,17	16÷29	6	796	DN 100	Rp 2	Rp ¾	250	210
ELL 510	385÷510	418÷557	462	0,14÷0,25	24÷43	6	919	DN 100	Rp 2	Rp ¾	250	210
ELL 630	480÷630	520÷688	565	0,21÷0,38	32÷55	6	1049	DN 100	Rp 2	Rp ¾	300	210

ELLPREX Model	DIMENSIONS															
	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	M* mm	N mm	O mm	P mm	Q* mm	R* mm
ELL 170	820	885	1082	190	139	190	648	380	1214	130	1210	175	130	185	710	785
ELL 240	820	1145	1082	190	139	190	648	380	1474	130	1210	175	390	185	710	1045
ELL 290	860	1080	1182	190	139	190	708	400	1411	130	1310	215	210	250	750	982
ELL 340	860	1210	1182	190	139	190	708	400	1541	130	1310	215	340	250	750	1112
ELL 420	890	1275	1352	190	139	190	748	440	1606	125	1485	255	285	315	780	1177
ELL 510	890	1470	1352	190	139	190	748	440	1801	125	1485	255	480	315	780	1372
ELL 630	890	1780	1352	190	139	190	748	440	2113	125	1485	255	790	315	780	1682

(\*) Minimum dimensions for boiler room access requirements.  
 (\*\*) Hydraulic resistance for delta T 15K.

DETAIL FOR DOOR DRILLING  
ELL 170÷240

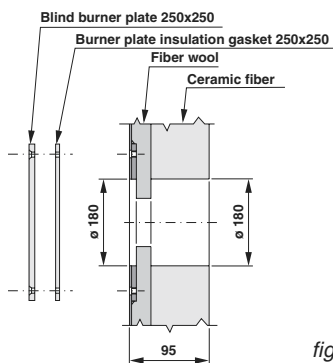


fig. 3

DETAIL FOR DOOR DRILLING  
ELL 290÷630

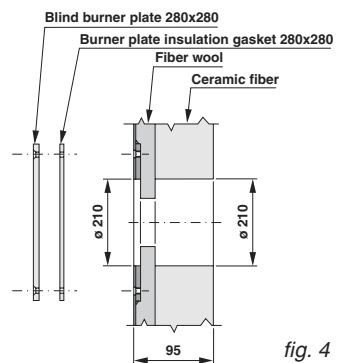


fig. 4

# DIMENSIONS AND HYDRAULIC CONNECTIONS FOR ELLPREX 760÷970

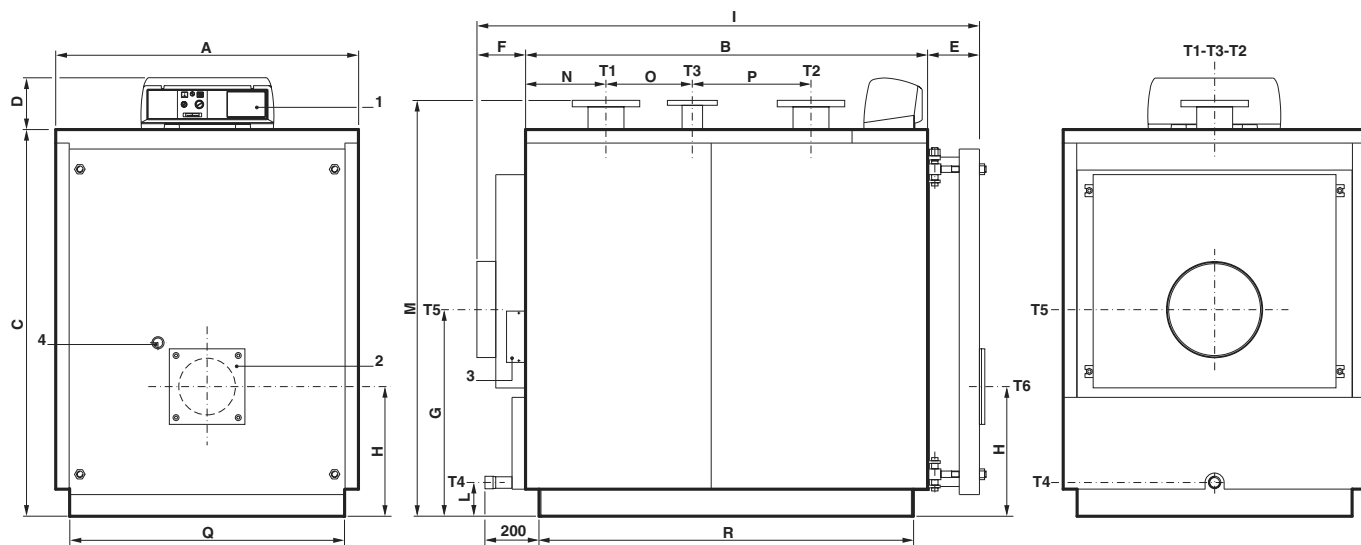


fig. 5

- 1 Panel board
- 2 Burner fixing plate
- 3 Smoke chamber cleaning door
- 4 Sight glass

- T1 C.H. flow
- T2 C.H. return
- T3 Expansion vessel connection
- T4 Boiler drain

- T5 Flue socket
- T6 Max. burner blast tube dia.

ELLPREX Model	Nominal Output kW	Nominal Input kW	Water content l	Water side pressure loss(**) m w.c.	Smoke side pressure loss mm w.c.	Maximum working pressure bar	Weight kg	CONNECTIONS				
								T1 T2 UNI 2278 PN16	T3 UNI 2278 PN16	T4 ISO 7/1	T5 Øi mm	T6 Ø mm
ELL 760	580÷760	630÷830	671	0,15±0,26	29÷51	6	1341	DN 125	DN 65	Rp 1¼	350	270
ELL 870	660÷870	715÷950	753	0,19±0,33	33÷57	6	1447	DN 125	DN 65	Rp 1¼	350	270
ELL 970	750÷970	815÷1060	836	0,24±0,41	29÷49	6	1553	DN 125	DN 65	Rp 1¼	350	270

ELLPREX Model	DIMENSIONS															
	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	M* mm	N mm	O mm	P mm	Q* mm	R* mm
ELL 760	1122	1605	1432	190	195	190	765	480	1989	125	1540	298	435	440	1020	1504
ELL 870	1122	1800	1432	190	195	190	765	480	2184	125	1540	298	630	440	1020	1699
ELL 970	1122	1995	1432	190	195	190	765	480	2379	125	1540	298	825	440	1020	1894

(\*) Minimum dimensions for boiler room access requirements.  
 (\*\*) Hydraulic resistance for delta T 15K.

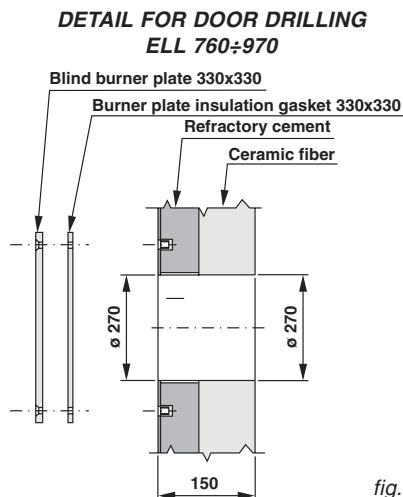
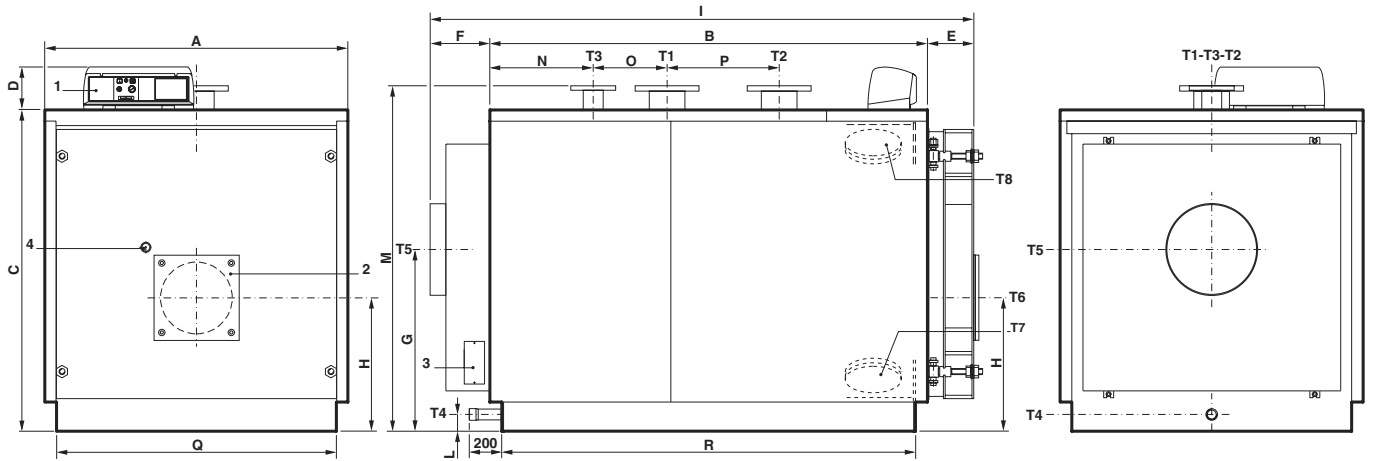


fig. 6

# DIMENSIONS AND HYDRAULIC CONNECTIONS FOR ELLPREX 1100÷2650



- 1 Panel board
- 2 Burner fixing plate
- 3 Smoke chamber cleaning door
- 4 Sight glass

- T1 C.H. flow
- T2 C.H. return
- T3 Expansion vessel connection
- T4 Boiler drain

- T5 Flue socket
- T6 Max. burner blast tube dia.
- T7 Sludge drain
- T8 Inspection door

fig. 7

ELLPREX Model	Nominal Output kW	Nominal Input kW	Water content l	Water side pressure loss(**) m w.c.	Smoke side pressure loss mm w.c.	Maximum working pressure bar	Weight kg	CONNECTIONS				
								T1 T2 UNI 2278 PN16	T3 UNI 2278 PN16	T4 ISO 7/1	T5 Øi mm	T6 Ø mm
ELL 1100	860÷1100	935÷1200	1040	0,18÷0,30	32÷52	6	1821	DN 150	DN 80	Rp 1½	400	320
ELL 1320	1000÷1320	1087÷1442	1242	0,20÷0,35	38÷67	6	2030	DN 150	DN 80	Rp 1½	400	320
ELL 1570	1200÷1570	1304÷1715	1418	0,19÷0,33	35÷60	6	2780	DN 175	DN 100	Rp 1½	450	320
ELL 1850	1400÷1850	1520÷2020	1617	0,26÷0,45	42÷73	6	3280	DN 175	DN 100	Rp 1½	450	320
ELL 2200	1700÷2200	1845÷2400	2086	0,21÷0,34	39÷65	6	4145	DN 200	DN 125	Rp 1½	520	380
ELL 2650	2000÷2650	2170÷2890	2324	0,28÷0,48	43÷76	6	4465	DN 200	DN 125	Rp 1½	520	380

ELLPREX Model	DIMENSIONS															
	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L mm	M* mm	N mm	O mm	P mm	Q* mm	R* mm
ELL 1100	1352	1952	1432	190	207	187	810	595	2346	180	1540	461	330	500	1250	1846
ELL 1320	1352	2292	1432	190	207	187	810	595	2686	180	1540	461	670	500	1250	2186
ELL 1570	1462	2282	1542	190	227	272	880	640	2781	75	1650	561	510	550	1360	2176
ELL 1850	1462	2652	1542	190	227	272	880	640	3151	75	1650	561	880	550	1360	2546
ELL 2200	1622	2692	1702	190	259	274	950	690	3225	75	1810	661	670	700	1520	2590
ELL 2650	1622	3014	1702	190	258	273	950	690	3545	75	1810	662	990	700	1520	2910

(\*) Minimum dimensions for boiler room access requirements.  
 (\*\*) Hydraulic resistance for delta T 15K.

DETAIL FOR DOOR DRILLING  
ELL 1100÷1320

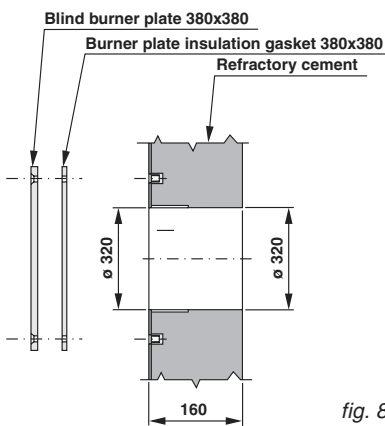


fig. 8

DETAIL FOR DOOR DRILLING  
ELL 1570÷1850

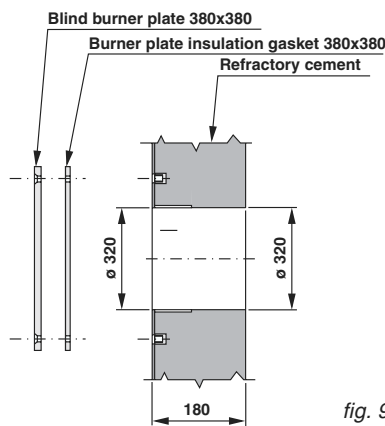


fig. 9

DETAIL FOR DOOR DRILLING  
ELL 2200÷2650

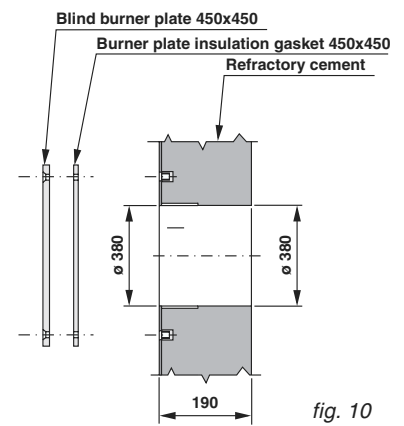
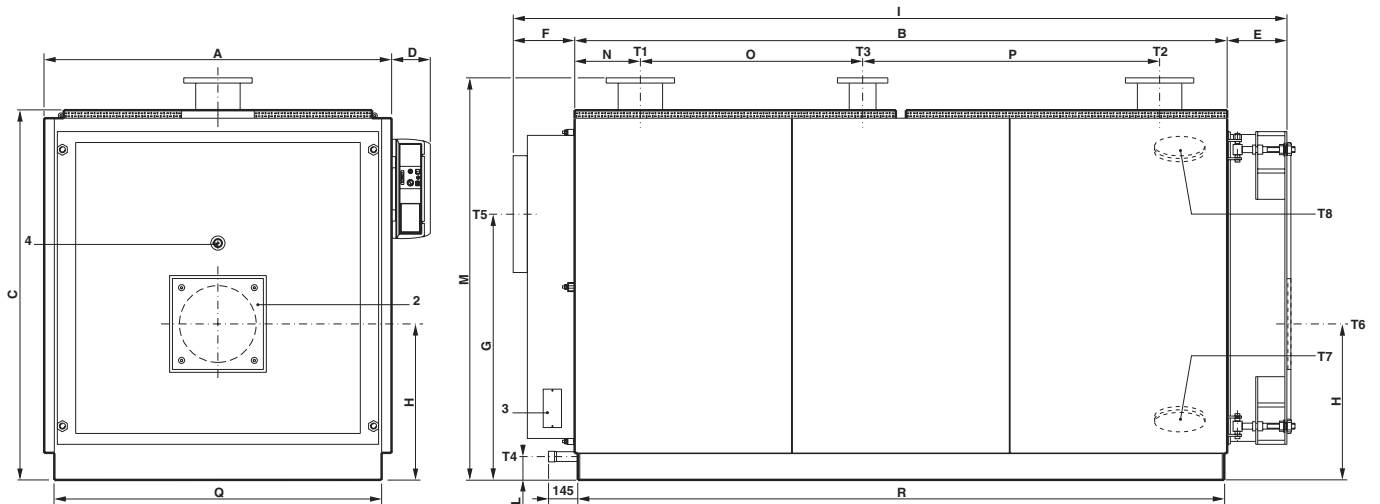


fig. 10

# DIMENSIONS AND HYDRAULIC CONNECTIONS FOR ELLPREX 3000÷3500



- 1 Panel board
- 2 Burner fixing plate
- 3 Smoke chamber cleaning door
- 4 Sight glass

- T1 C.H. flow
- T2 C.H. return
- T3 Expansion vessel connection
- T4 Boiler drain

- T5 Flue socket
- T6 Max. burner blast tube dia.
- T7 Sludge drain
- T8 Inspection door

fig. 11

ELLPREX	Nominal Output	Nominal Input	Water content	Water side pressure loss(**)	Smoke side pressure loss	Maximum working pressure	Weight	CONNECTIONS				
								T1 T2	T3	T4	T5	T6
Model	kW	kW	l	m w.c.	mm w.c.	bar	kg	UNI 2278 PN16	UNI 2278 PN16	ISO 7/1	Øi mm	Ø mm
<b>ELL 3000</b>	2300÷3000	2492÷3280	2667	0,36÷0,62	35÷60	6	5110	DN 200	DN 125	Rp 1½	570	380
<b>ELL 3500</b>	2700÷3500	2930÷3825	4142	0,54÷0,84	47÷78	6	6700	DN 200	DN 125	Rp 1½	620	380

ELLPREX	DIMENSIONS															
	A	B	C	D	E	F	G	H	I	L	M*	N	O	P	Q*	R*
Model	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
<b>ELL 3000</b>	1720	3230	1830	190	295	340	1315	772	3835	115	<b>1990</b>	325	1100	1330	<b>1620</b>	<b>3200</b>
<b>ELL 3500</b>	1970	3194	2090	190	325	390	1535	915	3879	144	<b>2271</b>	377	1060	1280	<b>1870</b>	<b>3164</b>

(\*) Minimum dimensions for boiler room access requirements.  
 (\*\*) Hydraulic resistance for delta T 15K.

## DETAIL FOR DOOR DRILLING ELL 3000÷3500

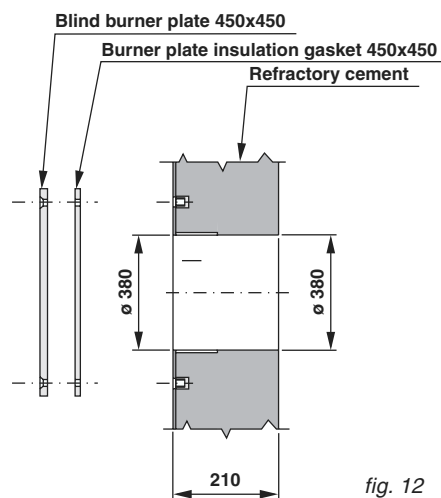


fig. 12