




REX



DESCRIPTION





Reverse flame boiler with cylindrical furnace completely closed on the rear side by a dished end supported by a fully submerged stub pipe. The boilers can be used with forced draft burners for the operation on liquid or gaseous fuels. These boilers are designed to be used in systems with water temperature between 60 and 100°C (safety thermostat set at 110°C).

FEATURES

-  **Design pressure: 5 bar**
-  **Heat output: 90 ÷ 3500 kW**
-  **Efficiency: from 92.0% to > 95.0%**

For higher or lower pressures see our commercial department

ADVANTAGES

-  **Maximum security**
The generator has been designed in accordance with the strictest international safety regulations in force.
-  **High reliability in continuous operation**
The construction features are such to make it particularly suitable to high working loads and long working periods.
-  **Easy, fast and safe installation**
The installation is very easy: you just need to connect the system to the electric, hydraulic, steam and discharge lines.
-  **Maximum operating flexibility**
Thanks to the very high water content and the very high thermal inertia, the boiler is suitable for any system solution, even in the most difficult operating conditions.

Reverse flame boiler

MODELS



REX
(90 ÷ 1300 kW)



REX
(1800 ÷ 3500 kW)

AVAILABLE CERTIFICATIONS



RECOMMENDED TECHNOLOGIES



MAIN APPLICATIONS

- + Commercial facilities
- + Hospitals
- + District heating
- + Heavy industry

- + Residential buildings
- + Industrial heating systems
- + Sports centers
- + Swimming pools and water parks

REX (90 ÷ 1300 kW)

Reverse flame fire tube boiler. Cylindrical furnace completely closed on the rear side by a dished end supported by a fully submerged stub pipe. It can be used with forced draft burners for the operation on liquid or gas fuels (only gas fuels in the F version). The boiler is designed to be used in systems with water temperature between 60 and 100°C (safety thermostat set at 110°C).



REX

Design pressure: 5 bar
Heat output: 90 ÷ 1300 kW
Efficiency: > 92,0 %

REX F

Design pressure: 5 bar
Heat output: 90 ÷ 1300 kW
Efficiency: > 95,0 %

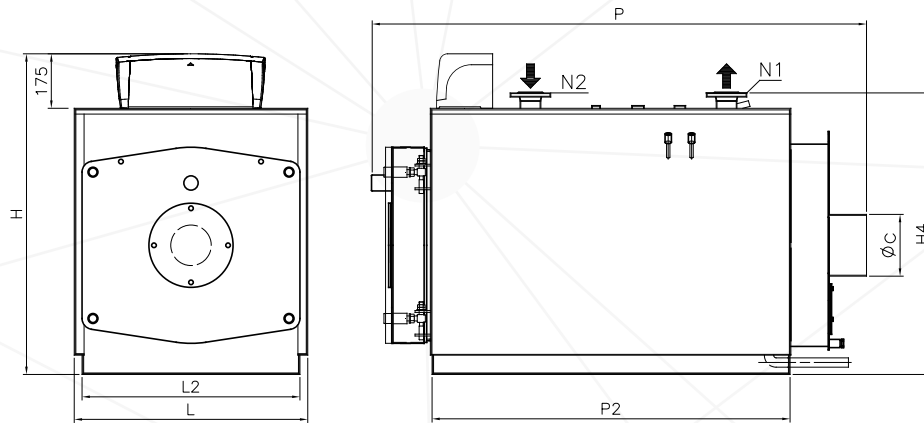


Provided with Fin-e® efficiency improvement system.

This version allows the use of **only gaseous fuels**.

TECHNICAL DATA

Model	Heat output - temp. 70°C	Flow thermal		Flue gas pressure drop		Hydraulic pressure drop	Total volume H2O	Total weight	
		REX	REX F	REX	REX F			REX	REX F
REX	kW	kW		mbar		mbar	l	Kg	
* 9	90	98	95,2	0,8	0,9	13	123	258	266
* 10	100	109	105,6	1,0	1,1	16	123	258	266
* 12	120	130	126,5	1,1	1,3	23	123	258	266
* 15	150	163	157,8	1,2	1,3	35	172	346	357
* 20	200	216	210	1,9	2,2	63	172	346	357
* 30	300	325	315,5	2,0	2,4	50	300	475	489
40	420	455	420	4,5	4,7	42	360	584	600
62	620	672	649	6,4	7,3	92	645	963	981
75	750	813	786	5,2	5,8	55	855	1205	1230
85	850	921	891	7,2	8,0	71	855	1205	1230
100	1020	1106	1069	4,0	4,5	42	1200	1843	1880
120	1200	1301	1259	5,5	6,2	58	1200	1843	1880
130	1300	1409	1364	6,5	7,3	68	1200	1843	1880



DIMENSIONS

Model	H	H4	L	L2	P	P2	Øc	N1	N2
REX	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in
* 9	1030	912	756	700	1119	755	200	50	50
* 10	1030	912	756	700	1119	755	200	50	50
* 12	1030	912	756	700	1119	755	200	50	50
* 15	1080	962	806	750	1364	1000	250	50	50
* 20	1080	962	806	750	1364	1000	250	50	50
* 30	1180	1061	906	850	1614	1250	250	65	65
40	1190	1095	946	890	1872	1502	250	80	80
62	1380	1285	1166	1110	2235	1792	300	80	80
75	1510	1417	1296	1240	2247	1753	350	100	100
85	1510	1417	1296	1240	2247	1753	350	100	100
100	1660	1568	1446	1390	2477	2003	400	125	125
120	1660	1568	1446	1390	2477	2003	400	125	125
130	1660	1568	1446	1390	2477	2003	400	125	125

STANDARD EQUIPMENT

Complete insulation casing
Turbulators
Cleaning brush

** Product not compliant with the requirements set out in the European regulations No. 811-813/2013 and therefore not suitable for the installation on the EU territory for plant rooms or produce domestic hot water.*

The product can be supplied only for the installation in non-European Union countries for any kind of application

PRODUCT CODES

Model	REX	REX F
* REX 9	83802010	83802210
* REX 10	83802020	83802220
* REX 12	83802030	83802230
* REX 15	83803010	83803210
* REX 20	83803020	83803220
* REX 30	83805010	83805210
REX 40	83807010	83807210
REX 62	83809010	83809210
REX 75	83810010	83810210
REX 85	83810020	83810220
REX 100	83812010	83812210
REX 120	83812020	83812220
REX 130	83812030	83812230

REX (1800 ÷ 3500 kW)

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REX

Design pressure: 5 bar
Heat output: 1800 ÷ 3500 kW
Efficiency: > 92,0 %

REX F

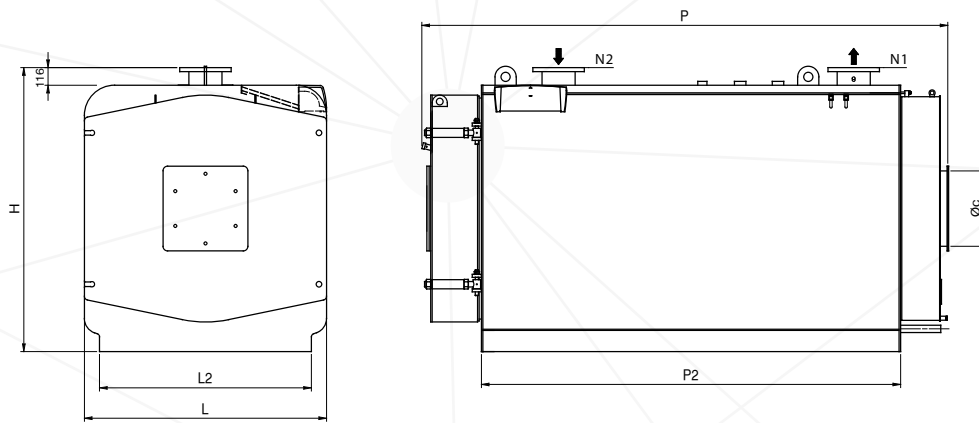
Design pressure: 5 bar
Heat output: 1800 ÷ 3500 kW
Efficiency: > 95,0 %



Provided with Fin-e® efficiency improvement system. This version allows the use of **only gaseous fuels**.

TECHNICAL DATA

Model	Heat output - temp. 70°C	Flow thermal		Flue gas pressure drop		Hydraulic pressure drop	Total volume H ₂ O	Total weight	
		REX	REX F	REX	REX F			REX	REX F
REX	kW	kW		mbar		mbar	l	Kg	
180	1800	1950	1885	7	7,6	63	1650	2750	2815
240	2400	2600	2518	7,5	8,1	35	2300	3900	3980
300	3000	3250	3142	8	8,6	55	3150	5200	5300
350	3500	3792	3670	9	9,6	75	3650	5700	5800



DIMENSIONS

Model	H	L	L2	P	P2	Øc	N1	N2
REX	mm	mm	mm	mm	mm	mm	DN/in	DN/in
180	1746	1470	1270	3096	2510	400	150	150
240	1876	1600	1400	3480	2770	500	200	200
300	2146	1870	1670	3480	2770	550	200	200
350	2146	1870	1670	3935	3225	550	200	200

STANDARD EQUIPMENT

- Complete insulation casing
- Turbulators
- Cleaning brush

PRODUCT CODES

Model	Code	
	REX	REX F
REX 180	83814010	83814210
REX 240	83816010	83816210
REX 300	83817010	83817210
REX 350	83818010	83818210