



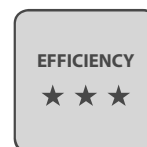
COMMERCIAL RANGE

STEEL BOILERS

REX F

HIGH EFFICIENCY

Design pressure 5bar



Main features

REX 7F-130F steel boiler, employs a cylindrical concentric combustion chamber with reverse flame, a blind furnace completely supported by a submerged nozzle projection welded into the rear tubeplate facilitating a fully submersed wet back. The boiler is designed to be used in systems with water temperature between 60 and 100 °C (safety thermostat set at 110 °C). 3 stars classification according to 92/42/EEC directive in compliance with 192/05 and 311/06 Legislation.

Some of the product's main features are related below:

- boiler body built from high quality steel, made from front tube sheet flanged to the combustion chamber using RSB procedures and from convcave rear plate (rather than a flat surface for a better resistance internal pressure),
- cylindrical reverse flame combustion chamber, supported by a submerged nozzle; the flame is positioned centrally within the chamber, whilst the hot gases return to the front of the furnace forming a second pass within the furnace, with the hot gases being conveyed through the tube bundle to the rear smoke box
- EN10217-2 P235GH smoke tubes welded into the front and rear tube plates incorporating internally finned extruded aluminum (Fin-e®), pressure-fitted to the rear part of the boiler tubes as to ensure full surface contact.
- the rear smoke box, manufactured from thermally insulated steel sheets, constructed in one piece that can be easily opened and that allows smoke tube inspections, fastened with bolts, equipped with chimney connection and cleaning door.
- boiler casing equipped with system and working device connections, all manufactured with approved welding procedures and qualified personnel.
- high density, glass wool mattress insulation, protected by easily removable, varnished steel panels.
- steel sheet, fiber-ceramic, thermal insulated, reversible front door, mounted on hinges, easily opened with equipped lever by drilled ferrules.

Standard equipment:

- Complete insulating casing
- Turbolators
- Cleaning brush

Accessories	Code
Control panels	
Thermostatic control panel	QACC10ELMCE
<i>Features can be seen in "Thermostatic control panels section"</i>	
Boiler management eterm™ control panel	QETERM01CE
Boiler management eterm™ control panel	QETERM01RU2*
System management layouts	QETERM02

For characteristics and other accessories see " eterm™ system" section

* This code refers to markets of: Russia, Belarus, Ukraine, Georgia and Kazakhstan

For higher pressures see our commercial department.

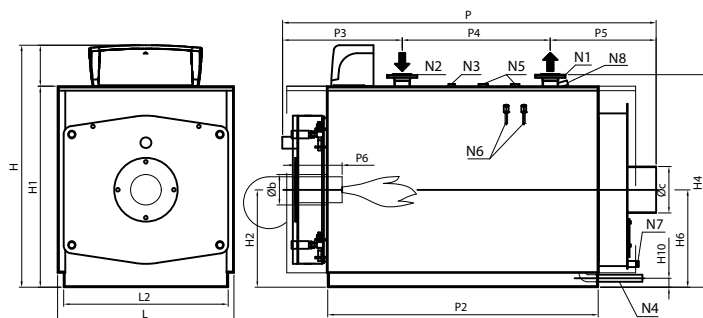
When purchasing, always indicate used fuel. In case of heavy oil or biogas the product will undergo modifications.



COMMERCIAL RANGE

STEEL BOILERS

REX F



Legend:

- N1 Boiler flow
- N2 Boiler return
- N3 Equipment connections
- N4 System load/drain connection
- N5 Safety valve connection
- N6 Bulb sheath
- N7 Condensate drain
- N8 Instrument pocket

Characteristics	Code product	Nominal Power Temp. Medium 70°C kW	Flow Thermal kW	100% efficiency (ref. C.O.P.) Temp. Medium 70°C %	30% efficiency (ref. C.O.P.) Temp. Medium 70°C %	Flue gas pressure drop mbar	Hydraulic pressure drop (ΔT=12°C) mbar	Water content lt	Total weight kg
Model									
REX 7 F	83801210	70	74,2	94,34	94,80	0,9	8	105	222
REX 8 F	83801220	80	84,7	94,45	94,70	1,1	10	105	222
REX 9 F	83802210	90	95,2	94,54	95,00	0,9	13	123	266
REX 10 F	83802220	100	105,6	94,70	94,80	1,1	16	123	266
REX 12 F	83802230	120	126,5	94,86	95,10	1,3	23	123	266
REX 15 F	83803210	150	157,8	95,06	95,70	1,3	35	172	357
REX 20 F	83803220	200	210	95,24	95,30	2,2	63	172	357
REX 25 F	83804210	250	263,5	94,88	95,38	2,4	98	220	442
REX 30 F	83805210	300	315,5	95,09	95,59	2,4	50	300	489
REX 35 F	83806210	350	367	95,37	95,60	3,4	67	356	558
REX 40 F	83807210	400	420	95,24	95,40	4,7	38	360	600
REX 50 F	83808210	500	524	95,42	95,70	4,8	60	540	871
REX 62 F	83809210	620	649	95,53	95,90	7,3	92	645	981
REX 75 F	83810210	750	786	95,42	95,92	5,8	55	855	1230
REX 85 F	83810220	850	891	95,40	95,80	8,0	71	855	1230
REX 95 F	83811210	950	997	95,29	95,79	5,9	89	950	1446
REX 100 F	83812210	1020	1069	95,42	95,80	4,5	42	1200	1880
REX 120 F	83812220	1200	1259	95,31	95,81	6,2	58	1200	1880
REX 130 F	83812230	1300	1364	95,31	95,70	7,3	68	1200	1880

Dimensions	H	H1	H2	H4	H6	H10	L	L2	P	P2	P3	P4	P5	P6	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX 7 F	1063	853	415	912	415	54,5	756	700	994	630	413	240	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 8 F	1063	853	415	912	415	54,5	756	700	994	630	413	240	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 9 F	1030	855	415	912	415	54,5	756	700	1119	755	513	265	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 10 F	1030	855	415	912	415	54,5	756	700	1119	755	513	265	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 12 F	1030	855	415	912	415	54,5	756	700	1119	755	513	265	341	200-250	130	200	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 15 F	1080	905	440	962	440	54,5	806	750	1364	1000	513	475	376	200-250	160	250	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 20 F	1080	905	440	962	440	54,5	806	750	1364	1000	513	475	376	200-250	160	250	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 25 F	1080	905	440	962	440	54,5	806	750	1614	1250	513	725	376	200-250	160	250	50	50	6	1"	1"	-	1/2"	1/2"	1/2"
REX 30 F	1180	1005	490	1061	490	54,5	906	850	1614	1250	523	700	391	200-250	180	250	65	65	6	1"	1"	-	1/2"	1/2"	1/2"
REX 35 F	1180	1005	490	1061	490	54,5	906	850	1864	1500	523	980	361	200-250	180	250	65	65	6	1"	1"	-	1/2"	1/2"	1/2"
REX 40 F	1190	1015	500	1095	500	50	946	890	1872	1502	600	850	422	230-280	225	250	80	80	6	1"	1"	1"1/4(1)	1/2"	1/2"	1/2"
REX 50 F	1380	1205	610	1285	610	60	1166	1110	1946	1502	663	850	433	270-320	225	300	80	80	6	1"	1"1/4	1"1/4	1/2"	1/2"	1/2"
REX 62 F	1380	1205	610	1285	610	60	1166	1110	2235	1792	663	1150	422	270-320	225	300	80	80	6	1"	1"1/4	1"1/4	1/2"	1/2"	1/2"
REX 75 F	1510	1335	675	1417	675	60	1296	1240	2247	1753	704	1100	443	270-320	280	350	100	100	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 85 F	1510	1335	675	1417	675	60	1296	1240	2247	1753	704	1100	443	270-320	280	350	100	100	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 95 F	1510	1335	675	1417	675	60	1296	1240	2497	2003	704	1200	593	270-320	280	350	100	100	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 100 F	1660	1485	750	1568	750	60	1446	1390	2477	2003	703	1200	574	270-320	280	400	125	125	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 120 F	1660	1485	750	1568	750	60	1446	1390	2477	2003	703	1200	574	270-320	280	400	125	125	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 130 F	1660	1485	750	1568	750	60	1446	1390	2477	2003	703	1200	574	270-320	280	400	125	125	6	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"

For each product always indicate the code at the time of the order.
The control panel is sold separately



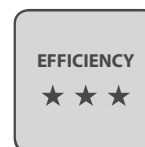
COMMERCIAL RANGE

STEEL BOILERS

REX F

HIGH EFFICIENCY

Design pressure 5bar



Main features

REX 140F-350F steel boiler, employs a cylindrical concentric combustion chamber with reverse flame, a blind furnace completely supported by a submerged nozzle projection welded into the rear tubeplate facilitating a fully submersed wet back. The boiler is designed to be used in systems with water temperature between 60 and 100 °C (safety thermostat set at 110 °C). 3 stars classification according to 92/42/EEC directive in compliance with 192/05 and 311/06 Legislation

Some of the product's main features are related below:

- boiler body built from high quality steel, made from front tube sheet flanged to the combustion chamber using RSB procedures and from concave rear plate (rather than a flat surface for a better resistance internal pressure),
- cylindrical reverse flame combustion chamber, supported by a submerged nozzle; the flame is positioned centrally within the chamber, whilst the hot gases return to the front of the furnace forming a second pass within the furnace, with the hot gases being conveyed through the tube bundle to the rear smoke box
- EN10217-2 P235GH smoke tubes welded into the front and rear tube plates incorporating internally finned extruded aluminum (Fin-e®), pressure-fitted to the rear part of the boiler tubes as to ensure full surface contact.
- the rear smoke box, manufactured from thermally insulated steel sheets, constructed in one piece that can be easily opened and that allows smoke tube inspections, fastened with bolts, equipped with chimney connection and cleaning door.
- boiler casing equipped with system and working device connections, all manufactured with approved welding procedures and qualified personnel.
- high density, glass wool mattress insulation, protected by easily removable, varnished steel panels.
- steel sheet, fiber-ceramic, thermal insulated, reversible front door, mounted on hinges, easily opened with equipped lever by drilled ferrules.

Standard equipment:

- Complete insulating casing
- Turbolators
- Cleaning brush

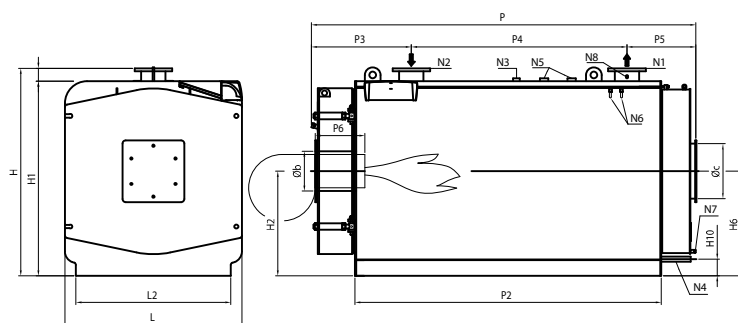
Accessories	Code
Control panels	
Thermostatic control panel	QACC10ELMCE
<i>Features can be seen in "Thermostatic control panels section"</i>	
Boiler management eterm™ control panel	QETERM01CE
Boiler management eterm™ control panel	QETERM01RU2*
System management layouts	QETERM02

For characteristics and other accessories see "eterm™ system" section

* This code refers to markets of: Russia, Belarus, Ukraine, Georgia and Kazakhstan

For higher pressures see our commercial department.

When purchasing, always indicate used fuel. In case of heavy oil or biogas the product will undergo modifications.



COMMERCIAL RANGE

STEEL BOILERS

REX F

Legend:

- N1 Boiler flow
- N2 Boiler return
- N3 Equipment connections
- N4 System load/drain connection
- N5 Safety valve connection
- N6 Bulb sheath
- N7 Condensate drain
- N8 Instrument pocket

Characteristics	Code product	Nominal Power Temp. Medium 70°C kW	Flow Thermal kW	100% efficiency (ref. C.O.P.) Temp. Medium 70°C %	30% efficiency (ref. C.O.P.) Temp. Medium 70°C %	Flue gas pressure drop mbar	Hydraulic pressure drop ($\Delta T=12^{\circ}\text{C}$) mbar	Water content lt	Total weight kg
Model									
REX 140 F	83813210	1400	1468	95,37	95,87	6,6	38	1500	2665
REX 160 F	83813220	1600	1675	95,52	95,80	7,1	50	1500	2665
REX 180 F	83814210	1800	1885	95,49	95,70	7,6	63	1650	2815
REX 200 F	83815210	2000	2094	95,51	95,80	6,6	25	2000	3730
REX 240 F	83816210	2400	2518	95,31	95,40	8,1	35	2300	3980
REX 300 F	83817210	3000	3142	95,48	95,60	8,6	55	3150	5300
REX 350 F	83818210	3500	3670	95,37	95,87	9,6	75	3650	5800

Dimensions	H	H1	H2	H6	H10	L	L2	P	P2	P3	P4	P5	P6	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
REX 140 F	1746	1630	880	880	150	1470	1270	2886	2300	831	1300	755	350-400	320	400	150	150	16	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 160 F	1746	1630	880	880	150	1470	1270	2886	2300	831	1300	755	350-400	320	400	150	150	16	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 180 F	1746	1630	880	880	150	1470	1270	3096	2510	771	1850	475	450-500	320	400	150	150	16	1"	1"1/4	1"1/2	1/2"	1/2"	1/2"
REX 200 F	1876	1760	945	945	150	1600	1400	3220	2510	903	1550	767	450-500	360	500	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"
REX 240 F	1876	1760	945	945	150	1600	1400	3480	2770	903	1950	627	450-500	360	500	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"
REX 300 F	2146	2030	1080	1080	150	1870	1670	3480	2770	903	2050	527	450-500	400	550	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"
REX 350 F	2146	2030	1080	1080	150	1870	1670	3935	3225	903	2050	982	450-500	400	550	200	200	16	1"	1"1/4	2"	1/2"	1/2"	1/2"

For each product always indicate the code at the time of the order.
The control panel is sold separately