PRODUCT CATALOGUE

00 | 2022

icicaldaie.com

ICI CALDAIE

Cooke Industries - Phone: +64 9 579 2185 Email: sales@cookeindustries.co.nz Web: www.cookeindustries.co.nz

HUMAN TECHNOLOGY

Specialists in excellent solutions

Specialists in the design and production of complete high-tech thermal systems.
Our extensive experience has allowed us to develop a range of highly qualified services capable of meeting any requirements in terms of system management, monitoring and maintenance.
No matter what the customer requirement is: we can provide a cost effective and environmentally-friendly solution for the safety of their system.

ICI CALDAIE
icicaldaie.com

THE STRENGTH OF **ICI CALDAIE**

ICI Caldaie is a young and dynamic company, characterised by an indepth knowledge in the industrial field, great production capacity, customer support in the design phase and extreme flexibility in terms of design and production of non-standard boilers, entirely customised based on the customer's specific needs.

Complete system Technical support and constultancy

Each non-standard project is developed by our Technical Department Engineers, and our cutting-edge Research and Development laboratory is entrusted with the development of new products compliant with the increasingly stringent European standards in terms of fuel consumption and emissions. All models produced by ICI Caldaie bear the CE mark and for many of them we have obtained different national certifications for export to Countries that require specific mechanical and hydraulic tests like the ASME - American Society for Mechanical Engineers - certificates.

The international success is the result of high quality standards. ICI Caldaie has obtained international product quality certifications that allow it to produce and distribute its boilers all over the world with top quality and safety features as required by the relevant specific regulations.

CERTIFIED INNOVATION

The awarded certifications are an acknowledgement of our commitment to continual improvement proving the creation, application and maintenance of a Production, Management and Organisation System compliant with international regulations introduced to improve and standardise the internal processes as well as to enhance the effectiveness of the service to customers, thus increasing their satisfaction.

Continued Customer satisfaction is a mark of the company's continual progress

ICI Caldaie has a strong quality culture, based around continual improvement resulting in obtaining system and product certifications such as ISO 9001 certification, CE certification and marks, the construction according to Directives on gas equipment and pressurised tanks, and by several national certifications on the export to Countries that require specific mechanical and hydraulic tests, such as the ASME - American Society for Mechanical Engineers - certificates.

Beside these certifications, the company policy of ICI Caldaie S.p.A. sets further objectives in terms of low environment impact and workers' health and safety. This on-going improvement philosophy has brought ICI Caldaie S.p.A. to obtain the environment certification according to the ISO 14001 standard and the certification on the workers' health and safety as per standard BS OHSAS 18001 (Occupational Health and Safety Assessment Series). ICI Caldaie believes that meeting the Customer needs is essential for the company's continual progress.

ISO 9001 QUALITY CERTIFICATION

OHSAS 18001 HEALTH AND SAFETY CERTIFICATION

ISO 14001 ENVIRONMENTAL CERTIFICATION

COMMERCIAL AREA

With our experience ICI Caldaie S.p.A. Specialised technicians will support you from the initial study to the system sizing or renewal up to the test and monitoring activities of the plant room.

Complete system Technical support and constultancy

We have a presence in countries all around the world, with headquarters and representative offices in Russia, Belarus, Kazakhstan, Romania, Great Britain, USA, China with products certified according to the specific local trade & technical regulations.

- Commercial subsidiary
- Representative offices
- Official distributors

ITALY
Head Quarter

U.S.A.
Representative offices

GREAT BRITAIN
Commercial subsidiary

RUSSIA
Commercial subsidiary

ROMANIA
Commercial subsidiary

The international success is the result of high quality standards. ICI Caldaie has obtained international product quality certifications that allow it to produce and distribute its boilers all over the world with top quality and safety features as required by the relevant specific regulations.

Product certifications

EUROPE

U.S.A.

RUSSIA
BELARUS
KAZAKHSTAN

CHINA

UKRAINE

BELARUS
Representative offices

CHINA
Representative offices

KAZAKHSTAN
Commercial subsidiary

UKRAINE
Representative offices

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STEEL FLOOR STANDING BOILERS

Steel boilers with high water content, efficient solutions that meet any heating requirements depending on the type of building and the level of energy certification required.

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: 70 ÷ 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
(70 ÷ 1300 kW)

REX
(1400 ÷ 3500 kW)

REX DUAL stacked combustion chambers
(140 ÷ 1700 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 (70 ÷ 1300 kW)

Reverse flame fire tube boiler. Cylindrical furnace completely closed on the rear side by a dished 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: 70 ÷ 1300 kW

Efficiency: > 92,0 %

REX F

Design pressure: 5 bar

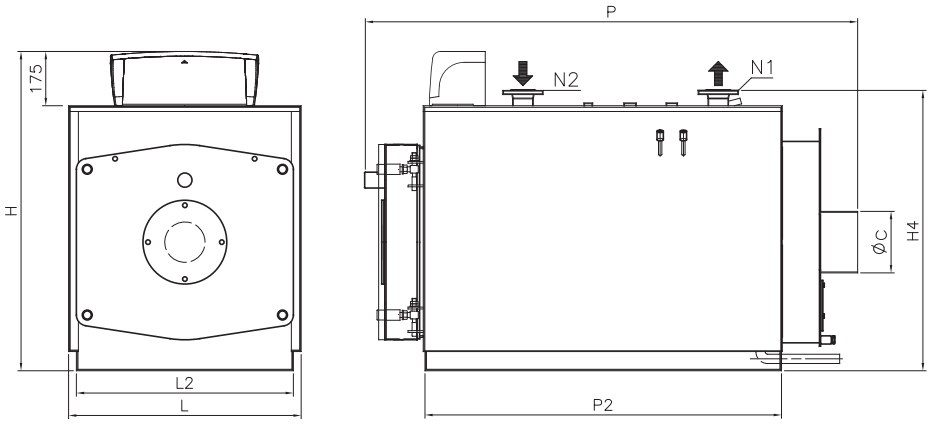
Heat output: 70 ÷ 1300 kW

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	
* 7	70	76	74,2	0,8	0,9	8	105	216	222
* 8	80	87	84,7	1,0	1,1	10	105	216	222
* 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
* 25	250	271	263,5	2,0	2,4	98	220	431	442
* 30	300	325	315,5	2,0	2,4	50	300	475	489
* 35	350	379	368	2,9	3,4	67	356	542	558
40	420	455	441	4,5	5,2	42	360	584	600
50	500	542	524	4,2	4,8	60	540	853	871
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
95	950	1030	997	5,2	5,9	89	950	1417	1446
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
* 7	1063	912	756	700	994	630	200	50	50
* 8	1063	912	756	700	994	630	200	50	50
* 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
* 25	1080	962	806	750	1614	1250	250	50	50
* 30	1180	1061	906	850	1614	1250	250	65	65
* 35	1180	1061	906	850	1864	1500	250	65	65
40	1190	1095	946	890	1872	1502	250	80	80
50	1380	1285	1166	1110	1946	1502	300	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
95	1510	1417	1296	1240	2497	2003	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

* 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

STANDARD EQUIPMENT

- ** 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 7	83801010	83801210
* REX 8	83801020	83801220
* REX 9	83802010	83802210
* REX 10	83802020	83802220
* REX 12	83802030	83802230
* REX 15	83803010	83803210
* REX 20	83803020	83803220
* REX 25	83804010	83804210
* REX 30	83805010	83805210
* REX 35	83806010	83806210
REX 40	83807010	83807210
REX 50	83808010	83808210
REX 62	83809010	83809210
REX 75	83810010	83810210
REX 85	83810020	83810220
REX 95	83811010	83811210
REX 100	83812010	83812210
REX 120	83812020	83812220
REX 130	83812030	83812230

REX (1400 ÷ 3500 kW)

Reverse flame fire tube boiler. Cylindrical furnace completely closed on the rear side by a dished 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: 1400 ÷ 3500 kW

Efficiency: > 92,0 %

REX F

Design pressure: 5 bar

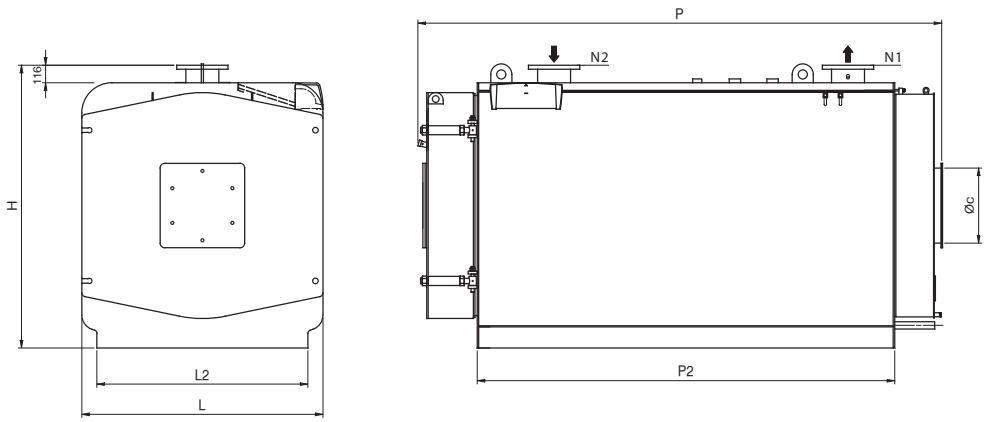
Heat output: 1400 ÷ 3500 kW

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 H2O	Total weight	
		REX	REX F	REX	REX F			REX	REX F
REX	kW	kW		mbar		mbar	l	Kg	
140	1400	1517	1468	6	6,6	38	1500	2600	2665
160	1600	1733	1675	6,5	7,1	50	1500	2600	2665
180	1800	1950	1885	7	7,6	63	1650	2750	2815
200	2000	2167	2094	6	6,6	25	2000	3650	3730
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
140	1746	1470	1270	2886	2300	400	150	150
160	1746	1470	1270	2886	2300	400	150	150
180	1746	1470	1270	3096	2510	400	150	150
200	1876	1600	1400	3220	2510	500	200	200
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 140	83813010	83813210
REX 160	83813020	83813220
REX 180	83814010	83814210
REX 200	83815010	83815210
REX 240	83816010	83816210
REX 300	83817010	83817210
REX 350	83818010	83818210

REX DUAL stacked combustion chambers

Double stacked 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 DUAL

Design pressure: 5 bar

Heat output: 140 ÷ 1700 kW

Efficiency: > 92,0 %

REX DUAL F

Design pressure: 5 bar

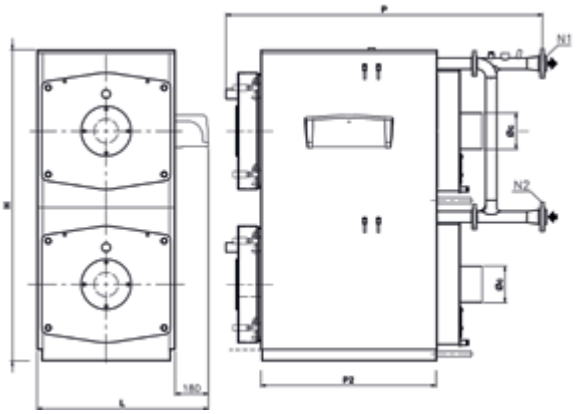
Heat output: 140 ÷ 1700 kW

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 DUAL	kW	kW		mbar		mbar	l	Kg	
* 14	140	152	148	0,8	0,9	11	210	465	477
* 16	160	174	169	1	1,1	14	210	465	477
* 18	180	196	190	0,8	0,9	18	246	549	565
* 20	200	218	211	1	1,1	22	246	549	565
* 24	240	260	253	1,1	1,3	32	246	549	565
* 30	300	326	316	1,2	1,3	22	344	726	748
40	420	455	420	2,1	2,2	42	344	726	748
50	500	542	527	2	2,4	60	440	898	920
60	600	650	631	2	2,4	86	600	986	1014
70	700	758	734	2,9	3,4	118	712	1122	1154
80	840	909	840	4,5	4,7	69	720	1285	1317
100	1000	1084	1048	4,2	4,8	98	1080	1830	1866
124	1240	1344	1298	6,4	7,3	62	1290	2065	2101
150	1500	1626	1572	5,2	5,8	44	1710	2621	2671
170	1700	1842	1782	7,2	8	56	1710	2621	2671



DIMENSIONS

Model	H	L	P	P2	Øc	N1	N2
REX DUAL	mm	mm	mm	mm	mm	DN/in	DN/in
* 14	1693	939	1365	630	200	65	65
* 16	1693	939	1365	630	200	65	65
* 18	1693	939	1490	755	200	65	65
* 20	1693	939	1490	755	200	65	65
* 24	1693	939	1490	755	200	65	65
* 30	1793	989	1798	1000	250	80	80
40	1793	989	1798	1000	250	80	80
50	1793	989	2048	1250	250	80	80
60	1993	1089	2049	1250	250	80	80
70	1993	1089	2299	1500	250	80	80
80	2244	1129	2440	1502	250	100	100
100	2624	1349	2490	1502	300	100	100
124	2640	1349	2792	1792	300	125	125
150	2935	1479	2756	1753	350	150	150
170	2935	1479	2756	1753	350	150	150

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

STANDARD EQUIPMENT

- Complete insulation casing
- Turbulators
- Cleaning brush
- Delivery and return hydraulic pipes
- Kit for the boiler hydraulic coupling

PRODUCT CODES

Model	Code	
	REX	REX F
* REX DUAL 14	83801030	83801230
* REX DUAL 16	83801040	83801240
* REX DUAL 18	83802040	83802240
* REX DUAL 20	83802050	83802250
* REX DUAL 24	83802060	83802260
* REX DUAL 30	83803030	83803230
REX DUAL 40	83803040	83803240
REX DUAL 50	83804030	83804230

Model	Code	
	REX	REX F
REX DUAL 60	83805030	83805230
REX DUAL 70	83806030	83806230
REX DUAL 80	83807040	83807240
REX DUAL 100	83808040	83808240
REX DUAL 124	83809040	83809240
REX DUAL 150	83810070	83810270
REX DUAL 170	83810080	83810280

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AVAILABLE ACCESSORIES

Code	Description	REX models		
		7 - 130	140 - 350	DUAL SOV
QACC10ELMCE	Thermostatic control panel	■	■	
QETERM01CE	Eterm boiler management control panel	■	■	■
QETERM01RU2	Eterm boiler management control panel - only for Russia and the former Soviet Union	■	■	
QETERM02	Eterm system control panel	■	■	■
QACC01ELMDCE	Thermostatic control panel			■
QEST03110	Thermostatic control panel **	■	■	■
QCTETERM	Eterm easy manager panel	■	■	■

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ACCESSORIES

Components designed to be used with residential boilers to further improve their performance; products designed for high-performance integrated systems.

eterm® BOILER MANAGEMENT ELECTRONIC CONTROL PANEL

Boiler control panel with eterm ® electronic board.
The panel is able to manage a stage or modulating burner and can control, within the limits of the available outputs, pumps and plant room valves.
It is complete with regulation and safety thermostats that also allow “manual” operation through the activation of proper electro-mechanical switches.
Thanks to the updatable software, eterm ® controller features a number of functions that ICI Caldaie may implement for continuous product improvement.

Accessory codes	QETERM01CE
	QETERM01RU2*

* Available only for markets in: Russia, Belarus, Ukraine, Georgia and Kazakhstan

STANDARD EQUIPMENT

- Main switch
- Burner operation switch (Manual / Off / Automatic)
- 2 programmable output operation switch (Manual / Off / Automatic)
- 2 Regulation thermostats
- Safety thermostat
- Thermometer
- Microprocessor board
- Boiler probe

Main functions:
- Possibility of remote control (with optional modem or connection to other master devices with modem);
- Possibility of cascade operation with other panels of the same series;
- Possibility of managing QETERM02 expansions for control of other pumps or valves;
- Possibility of ModBus connection with optional interface;
- Delivery temperature climate control (with optional external probe);
- Management of 2 configurable outputs for pumps and valves
- Mixing valve management

Communication
- Modem connector
- USB socket
- RS485 to connect the board to any Master unit (boiler or Master board)
- RS485 connection to connect the board to any slave units (boiler boards or system management)

Supply
- 230 vac.

Dimensions
- 170 x 170 x 500 mm.

AVAILABLE ACCESSORIES

OPTIONAL ACCESSORY	CODE
External probe	17120012
PT1000 temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	16111247
NTC temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	18022218
PT1000 flue gas temperature probe	CB1093
PT1000 temperature probe for ventilation channel	CB1091
NTC temperature probe for ventilation channel	CB1092
Modem Eterm 3G	MODETERM02
Eterm ModBus interface with GSM/GPRS modem	QMBET01
Eterm ModBus interface with LAN Ethernet RJ45	QMBET02
Eterm master with GSM/GPRS modem	QMASTERET01
Eterm master with LAN Ethernet RJ45	QMASTERET02
24 Vdc power supply for Eterm Master	ALQMASTER
Antenna with magnetic base for 3G Modem	ANTETERM02

eterm® BOILER MANAGEMENT ELECTRONIC CONTROL PANEL with Control Panel etermWEBready

eterm™

Quadro di controllo caldaia con scheda elettronica eterm® con sistema etermWEBready. Il sistema consente la visualizzazione dell'impianto su pagina web grazie al modem e alla SIM già installati.
The panel is able to manage a stage or modulating burner and can control, within the limits of the available outputs, pumps and plant room valves.
It is complete with regulation and safety thermostats that also allow "manual" operation through the activation of proper electro-mechanical switches.
Il controllore eterm®, grazie al software aggiornabile, ha una lunga serie di funzioni che ICI Caldaie si riserva di implementare per il continuo miglioramento del prodotto.

Attention:
disponibile solo per il mercato Italia

Accessory codes	QETERM01CEM

* Disponibile solo per l'Italia

Accessory codes	QETERM01CEM

* Disponibile solo per l'Italia

STANDARD EQUIPMENT

Standard equipment:
- Microprocessor board
- Boiler probe
- Modem 3G
- 2 Regulation thermostats
- Safety thermostat
- Thermometer
- Microprocessor board
- Boiler probe
- Modem 3G
- Antenna 3G con base magnetica

Main functions:
- Telecontrollo etermWEBready
- Possibility of cascade operation with other panels of the same series;
- Possibility of managing QETERM02 expansions for control of other pumps or valves;
- Possibility of ModBus connection with optional interface;
- Delivery temperature climate control (with optional external probe);
- Management of 2 configurable outputs for pumps and valves
- Mixing valve management

Telecontrollo etermWEBready
- All'interno del quadro è presente un modem con scheda SIM che consente di usufruire gratuitamente per un anno del servizio di telegestione.
- I quadri QETERM01CEM hanno un codice identificativo univoco, comunicando questo codice il cliente potrà richiedere:
- La configurazione da remoto del regolatore e degli eventuali slave;
- La realizzazione di una pagina web dedicata per il telecontrollo dell'impianto;
- La pagina web sarà un sinottico che verrà realizzato schematizzando il layout di centrale fornito dal cliente.
- Grazie al servizio è possibile:
- visualizzare il funzionamento dell'impianto real time
- eseguire comandi da remoto per cambio parametri di funzionamento, modifica programmi orari, ecc.
- ricevere allarmi via email
- estrarre grafici o tabelle dei dati di funzionamento registrati nel tempo
- Il servizio potrà essere rinnovato o disdetto al termine dell'anno gratuito.

Not included
- Il servizio non include verifiche sulla congruità dei dati letti e/o registrati.
- ICI Caldaie declina ogni responsabilità sull'utilizzo della telegestione e dei programmi forniti da parte degli utilizzatori.
- La responsabilità dell'utilizzo della telegestione e del sinottico è del cliente. ICI Caldaie non potrà essere ritenuta responsabile dei problemi di funzionamento della centrale, di eccessivi consumi energetici, dell'usura o del guasto di apparecchiature elettromeccaniche connesse al sistema in caso di un errato utilizzo del servizio.

Notes
- Il presente servizio ha durata di un anno e sarà rinnovabile.
- L'accesso ai dati memorizzati sarà garantito per un periodo significativo successivo alla scadenza del servizio (fino ad un massimo di tre mesi).
- Per garantire continuità di acquisizione il servizio deve essere rinnovato almeno un mese prima della scadenza.
- Il sinottico verrà realizzato dai tecnici ICI sulla base dello schema di centrale e pubblicato in prova per 30 giorni.
- Al termine dei 30 giorni si riterrà accettata dal cliente la forma grafica e la funzionalità.
- Se nel frattempo verranno richieste modifiche e/o integrazioni, ICI Caldaie valuterà, a suo insindacabile giudizio, se dare seguito alla richiesta o rinunciare all'incarico.
- Per richieste particolari potrebbe essere proposta un'offerta in deroga alle tariffe standard.
- Dopo l'accettazione, trascorsi 30 giorni dalla pubblicazione, successive modifiche richieste saranno oggetto di offerta da parte di ICI Caldaie.
- ICI Caldaie garantisce il servizio per l'anno in cui si acquista. Non esiste obbligo di rinnovo.
- Eventuali hardware aggiuntivi necessari alla telelettura e telecontrollo saranno oggetto di regolare offerta da parte di ICI e non sono da considerarsi inclusi nel servizio sopra descritto.
- Con l'accettazione del presente servizio il cliente autorizza ICI Caldaie al trattamento dei dati acquisiti secondo le modalità prescritte dalla legge.

Supply
- 230 vac.

Dimensions
- 170 x 170 x 500 mm.

AVAILABLE ACCESSORIES

OPTIONAL ACCESSORY	CODE
External probe	17120012
PT1000 temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	16111247
NTC temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	18022218
PT1000 flue gas temperature probe	CB1093
PT1000 temperature probe for ventilation channel	CB1091
NTC temperature probe for ventilation channel	CB1092
24 Vdc power supply for Eterm Master	ALQMASTER
Eterm ModBus interface with GSM/GPRS modem	QMBET01
Eterm ModBus interface with LAN Ethernet RJ45	QMBET02

Eterm SYSTEM CONTROL PANEL

Accessory codes	QETERM02

The QETERM02 system control panel can communicate with boiler and Eterm Master panels.
QETERM02 can be programmed with suitable software and remotely controlled using an Eterm boiler or an Eterm Master panel as communication interface.
It is possible to connect up to 16 QETERM02 panels in a bus to increase the input and output availability.
Control panel for the management of equipment in the heating plant room; it can be used to control:
pumps
modulating pumps with analogue signals
shut-off valves
regulation valves
mixing valves
solar plants
etc.
It allows the monitoring of the following for logic management or alarm communication:
operating status
temperatures
analogue signals

Main logic functions:
- Output enabling based on:
- the season
- one of the three timers
- a digital input
- a temperature threshold
- a temperature differential
- an analogue signal threshold
- the request of Nereix utility modules connected to the same bus
- Mixing valve management:
- 0/10 Volt control
- 4/20 mA control
- three-point control
- Analogue outputs (0/10 Volt and 40/20 mA) proportional to:
- temperatures
- temperature differentials
- the request of Nereix utility modules connected to the same bus

Programmable outputs
- 2 dry contact outputs (230 Vac 1 A)
- Dry contact output / phase cut (230 Vac 1 A)
- 2 switching outputs that can be used also for three-point control mixing valves (230 Vac 1 A)

Analogue outputs
- 0-10 Volt
- 4-20 mA

Inputs for temperature or digital probes
- 3 PT 1000 / digital programmable inputs
- NTC / digital programmable input

Analogue inputs 0/-10 Volt and 4/-20 mA - Communication
- USB socket
- RS485 to connect the board to any Master unit (boiler or Eterm Master board)

Supply
- 230 vac.

Dimensions
- 200 x 250 x 100 mm.

AVAILABLE ACCESSORIES

OPTIONAL ACCESSORY	CODE
External probe	17120012
PT1000 temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	16111247
NTC temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	18022218
PT1000 flue gas temperature probe	CB1093
PT1000 temperature probe for ventilation channel	CB1091
NTC temperature probe for ventilation channel	CB1092

eterm® BOILER MANAGEMENT ELECTRONIC with Control Panel etermWEBready

Quadro di supervisione con scheda elettronica eterm® con sistema etermWEBready.
Il sistema consente la visualizzazione dell'impianto su pagina web grazie al modem e alla SIM già installati.
Il quadro è in grado di controllare caldaie che accettano segnali digitali di start e segnali analogici per impostazione di temperatura o di potenza.
Può controllare, nel limite delle uscite disponibili, pompe e valvole di centrale.
Il controllore eterm®, grazie al software aggiornabile, ha una lunga serie di funzioni che ICI Caldaie si riserva di implementare per il continuo miglioramento del prodotto.

Attention:
disponibile solo per il mercato Italia

Accessory codes	QETERM03

* Disponibile solo per l'Italia

Standard equipment:

- Microprocessor board
- Boiler probe
- Modem 3G
- Antenna 3G con base magnetica

Funzioni principali:
- Telecontrollo etermWEBready
- Possibility of cascade operation with other panels of the same series;
- Possibility of managing QETERM02 expansions for control of other pumps or valves;
- Possibility of ModBus connection with optional interface;
- Delivery temperature climate control (with optional external probe);
- Management of 2 configurable outputs for pumps and valves
- Mixing valve management

Telecontrollo etermWEBready
- All'interno del quadro è presente un modem con scheda SIM che consente di usufruire gratuitamente per un anno del servizio di telegestione.
- I quadri QETERM03 hanno un codice identificativo univoco, comunicando questo codice il cliente potrà richiedere:
- La configurazione da remoto del regolatore e degli eventuali slave;
- La realizzazione di una pagina web dedicata per il telecontrollo dell'impianto;
- La pagina web sarà un sinottico che verrà realizzato schematizzando il layout di centrale fornito dal cliente.
- Grazie al servizio è possibile:
- visualizzare il funzionamento dell'impianto real time
- eseguire comandi da remoto per cambio parametri di funzionamento, modifica programmi orari, ecc.
- ricevere allarmi via email
- estrarre grafici o tabelle dei dati di funzionamento registrati nel tempo
- Il servizio potrà essere rinnovato o disdetto al termine dell'anno gratuito.

Not included
- Il servizio non include verifiche sulla congruità dei dati letti e/o registrati.
- ICI Caldaie declina ogni responsabilità sull'utilizzo della telegestione e dei programmi forniti da parte degli utilizzatori.
- La responsabilità dell'utilizzo della telegestione e del sinottico è del cliente. ICI Caldaie non potrà essere ritenuta responsabile dei problemi di funzionamento della centrale, di eccessivi consumi energetici, dell'usura o del guasto di apparecchiature elettromeccaniche connesse al sistema in caso di un errato utilizzo del servizio.

Notes
- Il presente servizio ha durata di un anno e sarà rinnovabile.
- L'accesso ai dati memorizzati sarà garantito per un periodo significativo successivo alla scadenza del servizio (fino ad un massimo di tre mesi).
- Per garantire continuità di acquisizione il servizio deve essere rinnovato almeno un mese prima della scadenza.
- Il sinottico verrà realizzato dai tecnici ICI sulla base dello schema di centrale e pubblicato in prova per 30 giorni.
- Al termine dei 30 giorni si riterrà accettata dal cliente la forma grafica e la funzionalità.
- Se nel frattempo verranno richieste modifiche e/o integrazioni, ICI Caldaie valuterà, a suo insindacabile giudizio, se dare seguito alla richiesta o rinunciare all'incarico.
- Per richieste particolari potrebbe essere proposta un'offerta in deroga alle tariffe standard.
- Dopo l'accettazione, trascorsi 30 giorni dalla pubblicazione, successive modifiche richieste saranno oggetto di offerta da parte di ICI Caldaie.
- ICI Caldaie garantisce il servizio per l'anno in cui si acquista. Non esiste obbligo di rinnovo.
- Eventuali hardware aggiuntivi necessari alla telelettura e telecontrollo saranno oggetto di regolare offerta da parte di ICI e non sono da considerarsi inclusi nel servizio sopra descritto.
- Con l'accettazione del presente servizio il cliente autorizza ICI Caldaie al trattamento dei dati acquisiti secondo le modalità prescritte dalla legge.

Supply
- 230 vac.

Dimensions
- 200 x 250 x 100 mm.

AVAILABLE ACCESSORIES

OPTIONAL ACCESSORY	CODE
External probe	17120012
PT1000 temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	16111247
NTC temperature probe (immersion type for water heaters, mixed area, solar panels, etc.)	18022218
PT1000 flue gas temperature probe	CB1093
PT1000 temperature probe for ventilation channel	CB1091
NTC temperature probe for ventilation channel	CB1092

MASTER Eterm

Accessory codes	QMASTERET01
	QMASTERET02
	ALQMASTER

Communication interface for eterm equipment and Nereix modules:
By means of a Bus system (proprietary protocol) it is possible to connect:
Nereix Climate and Nereix Metering heat interface units
Meter Bus Centralisers
Boiler management control panels
System management control panels
With eterm Bus it is possible to manage from PC all devices either in local or remote mode:
RS232
USB
Modem GSM/GPRS (code QMASTERET01)
LAN Ethernet RJ45 (code QMASTERET02)
The data can be managed with:
etermPCmanager, program to be installed on PC that can be connected
Via USB or RS232
Via Modem (optional for PC)
Via internet
etermEASYmanager, WEB program available on www.eterm.it to view the system synoptic diagram

The Eterm Master unit is also provided with:

- 4 inputs for meters provided with pulse output installed in the heating plant room: Gas, Hot water, Cold water, Electric energy
- NTC input for external probe, such information will be available to all system slave units
- digital output (closed contact if at least one heat interface unit module is in request mode)

Master ModBus function

- With suitable configuration, the Eterm Master can manage as Master unit the ModBus slave devices, in order to transmit on etermEASYmanager web application the data acquired by these ModBus devices. ModBus two-wire RTU RS485 connection.

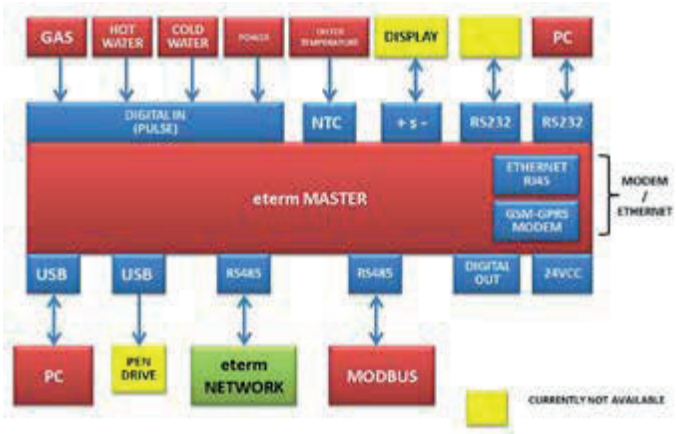
Slave ModBus function

- With suitable configuration, the Eterm Master can become the slave unit of a ModBus data acquisition device. In this way, all eterm equipment connected to the master can be managed via ModBus (both in reading and writing based on the type of parameter). ModBus two-wire RTU RS485 connection.

Supply

- 24 Vdc (ALQMASTER supply unit code)

Connections:



Eterm MODBUS INTERFACE

Accessory codes	
	QMBET04
	QMBET02
	ALQMASTER

Communication interface for eterm devices. Complete with 3G modem and SIM activated for one year (subject to availability limitations depending on the country of destination). Remote configuration will be possible in countries where the SIM is active and where there is signal coverage. Otherwise, the configuration must be carried out by a qualified technician (not included).
By means of a Bus system (proprietary protocol) it is possible to connect:
Meter Bus Centralisers
Boiler management control panels
System management control panels
With eterm Bus it is possible to manage from PC all devices either in local or remote mode:
RS232
USB
Modem GSM/GPRS (code QMASTERET01)
LAN Ethernet RJ45 (code QMASTERET02)
The data can be managed with:
etermPCmanager, program to be installed on PC that can be connected
Via USB or RS232
Via Modem (optional for PC)
Via internet
etermEASYmanager, WEB program available on www.eterm.it to view the system synoptic diagram

The Eterm Master unit is also provided with:

- 4 inputs for meters provided with pulse output installed in the heating plant room:
- Gas
- Hot water
- Cold water
- Electric energy
- NTC input for external probe, such information will be available to all system slave units
- digital output (not used)

Master ModBus function

- With suitable configuration, the Eterm Master can manage as Master unit the ModBus slave devices, in order to transmit on etermEASYmanager web application the data acquired by these devices. ModBus two-wire RTU RS485 connection.

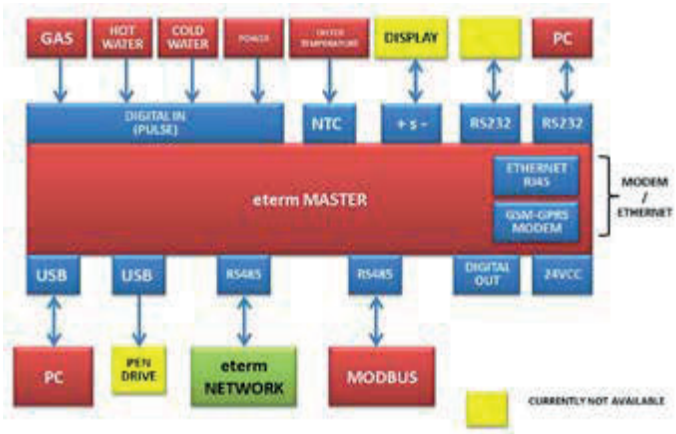
Slave ModBus function

- With suitable configuration, the Eterm Master can become the slave unit of a ModBus data acquisition device. In this way, all eterm equipment connected to the master can be managed via ModBus (both in reading and writing based on the type of parameter). ModBus two-wire RTU RS485 connection.

Supply

- 24 Vdc (ALQMASTER supply unit code)

Connections:



THERMOSTATIC CONTROL PANELS

For REX, REX F and GREENOx.e boilers

Panel complete with:

- illuminated main switch
- 2 boiler regulation thermostats
- manual reset safety thermostat
- system circulation pump enabling thermostat
- burner switch
- system circulation pump switch
- boiler thermometer

Code	Boiler reg. thermostat	Safety thermostat
QACC10ELMCE	60° - 100° C	110° C
QEST03110*	55° - 110° C	115° C

* Available only for markets in: Russia, Belarus, Ukraine, Georgia and Kazakhstan

For REX DUAL and REX DUAL F boilers

Panel complete with:

- illuminated main switch
- 2 boiler regulation thermostats
- 2 manual reset safety thermostats (1 in the QEST03110 model)
- system circulation pump enabling thermostat
- burner switch
- system circulation pump switch
- boiler thermometer
- 2 hour counters (only for QACC01ELMDCE model)

Code	Boiler reg. thermostat	Safety thermostat
QACC01ELMDCE	42° - 87° C	110° C
QEST03110*	55° - 110° C	115° C

* Available only for markets in: Russia, Belarus, Ukraine, Georgia and Kazakhstan

THERMOSTATIC CONTROL PANELS

For MONOLITE GT, CODEX and CODEX GT boilers

Panel complete with:

- illuminated main switch
- 2 boiler regulation thermostats
- manual reset safety thermostat
- system circulation pump enabling thermostat
- burner switch
- system circulation pump switch
- boiler thermometer

Code	Boiler reg. thermostat	Safety thermostat
QCOND01ELMCE	0° - 100° C	110° C
QEST03110*	55° - 110° C	115° C

* Available only for markets in: Russia, Belarus, Ukraine, Georgia and Kazakhstan

For GREENOx BT COND boilers

Panel complete with:

- voltage presence light indicator
- voltage presence light indicator
- manual reset safety thermostat
- burner switch
- system circulation pump switch
- boiler thermometer
- system circulation pump enabling thermostat

Code	Boiler reg. thermostat	Safety thermostat
QACCBT01ELMCE	0° - 100° C	110° C
QEST03110*	55° - 110° C	115° C

* Available only for markets in: Russia, Belarus, Ukraine, Georgia and Kazakhstan

ETERM BOILER MANAGEMENT CONTROL PANEL

Standard equipment:

- main switch
- manual or automatic burner operation switch
- INAIL regulation twin thermostat
- INAIL safety thermostat
- INAIL thermometer
- microprocessor board
- boiler probe

Type	Code	Boiler reg. thermostat	Safety thermostat
Boiler management control panel	QETERM01CE	0° -100° C	110° C
Boiler management control panel	QETERM01RU2*	55° - 110° C	115° C

Optional accessories	Code
External probe	17120012
Immersion temperature probe (boiler, water heater, mixed zone)	16111247
GSM modem	CB955
Flat cable for GSM modem	CB926
GSM antenna with 10 m cable	CB913

ETERM SYSTEM CONTROL BOARD
PLC

Main functions:

Output enabling based on:

- the season
- with time schedule
- - with digital input
- with temperature thresholds
- temperature differentials
- analogue signal thresholds
- with requests of Nereix line utility modules of ICI Caldaie connected to the same bus

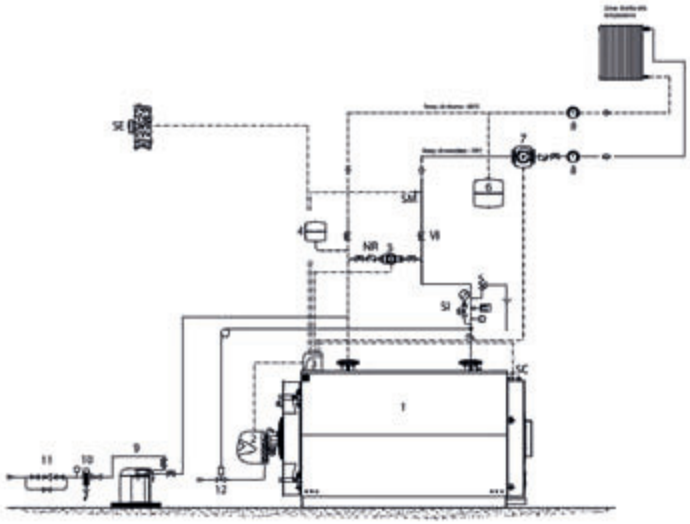
Type	Code
System control board	QETERM02

Optional accessories	Code
External probe	17120012
PT1000 temperature probe	16111247

Cooke Industries - Phone: +64 9 579 2185 Email: sales@cookeindustries.co.nz Web: www.cookeindustries.co.nz

SYSTEM LAYOUTS

System layout for REX, REX F and GREENOX.e boilers: 1 direct zone, 1 boiler

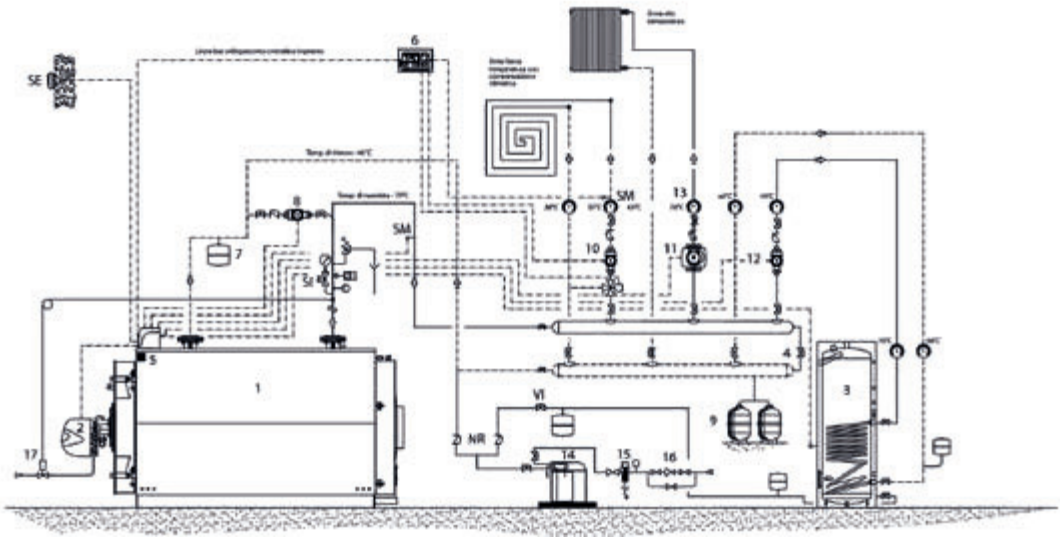


Description

1. Boiler
2. Burner
3. Eterm control panel
4. Boiler expansion vessel
5. Anti-condensate pump
6. System expansion vessel
7. System pump
8. Thermometer
9. Water treatment
10. Filter
11. Water feed system
12. Fuel shut-off valve

SE External probe
SM Water delivery probe
SC Boiler probe
NR Non-return valve
VI Shut-off valve
SI I.S.P.E.S.L safety

System layout for REX, REX F and GREENOX.e boilers: 1 direct zone, 1 mixed zone, 1 boiler, 1 water heater

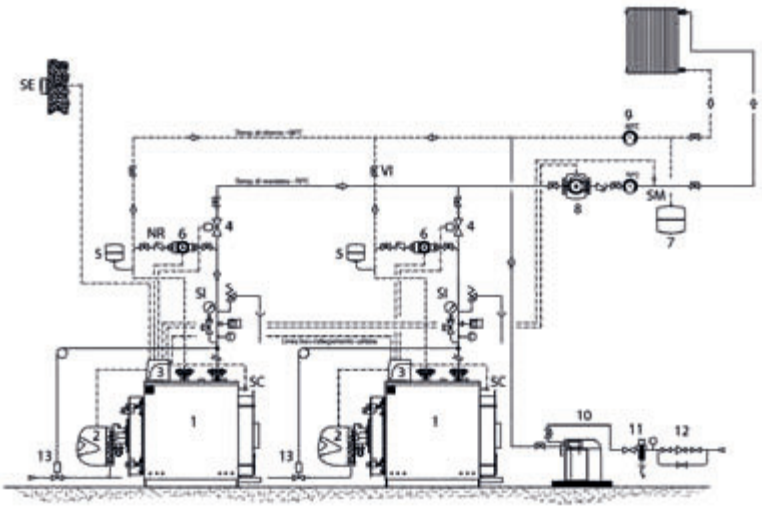


Description

1. Boiler
2. Burner
3. Water heater
4. By-pass valve
5. Eterm control panel
6. System management board
7. Boiler expansion vessel
8. Anti-condensate pump
9. System expansion vessel
10. Low temperature system pump
11. High temperature system pump
12. Water heater pump
13. Thermometer
14. Water treatment
15. Filter
16. Water feed system
17. Fuel shut-off valve

SE External probe
SM Water delivery probe
NR Non-return valve
VI Shut-off valve
SI I.S.P.E.S.L safety

System layout for REX, REX F and GREENOX.e boilers: 1 direct zone, 2 cascade boilers

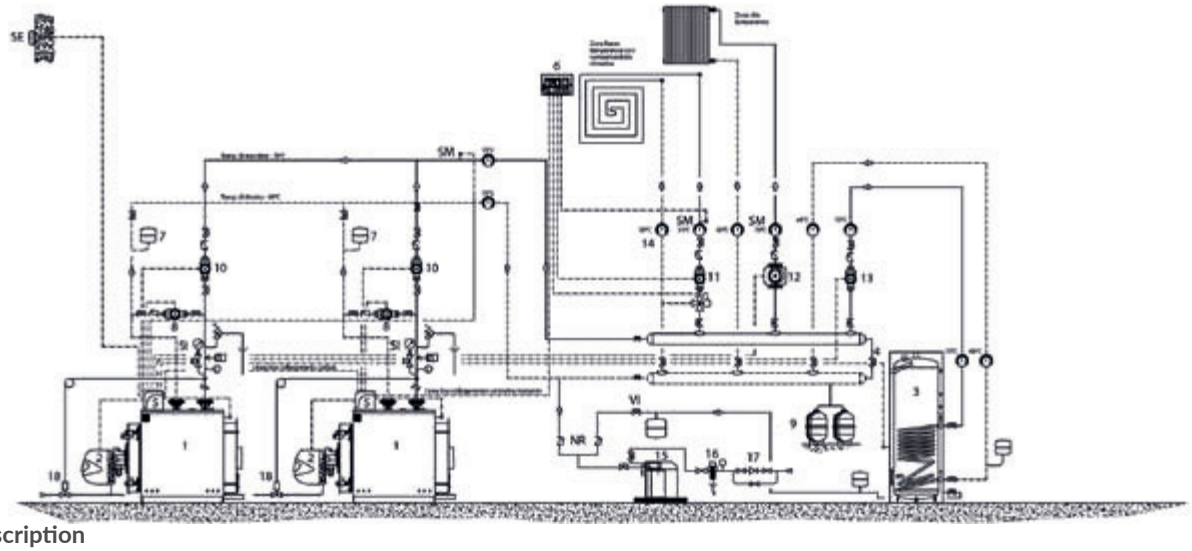


Description

1. Boiler
2. Burner
3. Eterm control panel
4. Shut-off valve
5. Boiler expansion vessel
6. Anti-condensate pump
7. System expansion vessel
8. System pump
9. Thermometer
10. Water treatment
11. Filter
12. Water feed system
13. Fuel shut-off valve

SE External probe
SM Water delivery probe
SC Boiler probe
NR Non-return valve
VI Shut-off valve
SI I.S.P.E.S.L safety

System layout for REX, REX F and GREENOX.e boilers: 1 direct zone, 1 mixed zone, 2 cascade boilers, 1 water heater

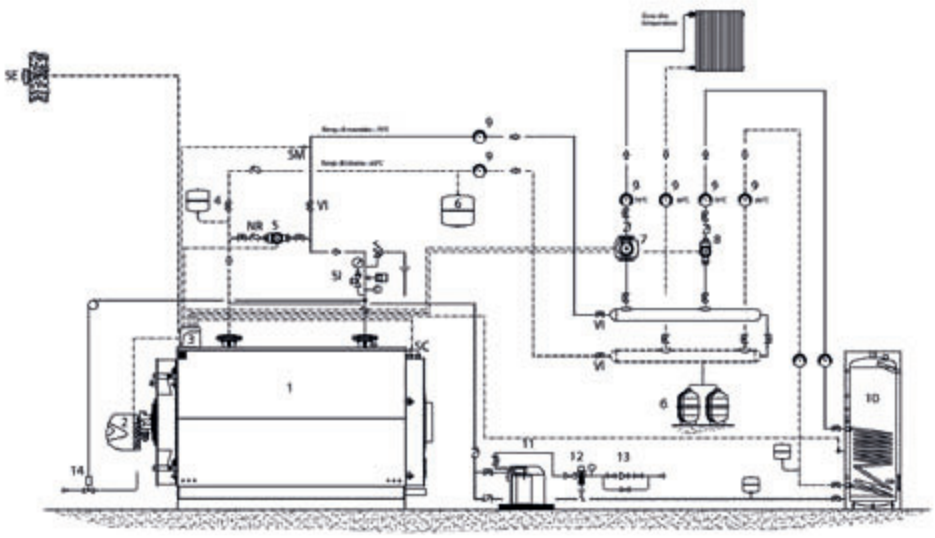


Description

1. Boiler
2. Burner
3. Water heater
4. By-pass valve
5. Eterm control panel
6. System management board
7. Boiler expansion vessel
8. Anti-condensate pump
9. System expansion vessel
10. Boiler circuit pump
11. Low temperature system pump
12. High temperature system pump
13. Water heater pump
14. Thermometer
15. Water treatment
16. Filter
17. Water feed system
18. Fuel shut-off valve

SE External probe
SM Water delivery probe
NR Non-return valve
VI Shut-off valve
SI I.S.P.E.S.L safety

System layout for REX, REX F and GREENOX.e boilers: 1 direct zone, 1 boiler, 1 water heater

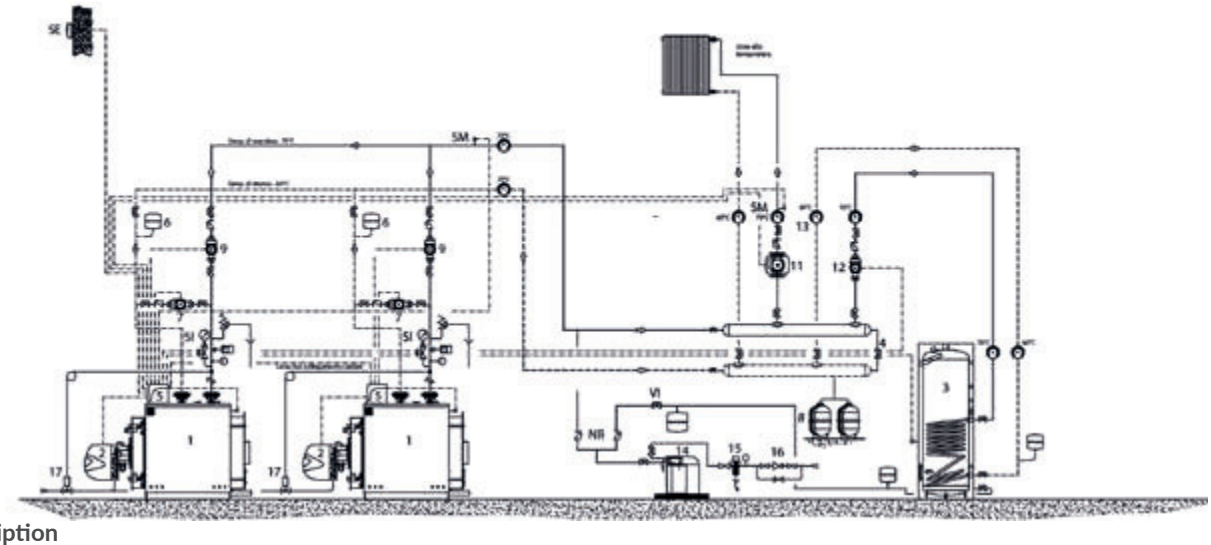


Description

1. Boiler
2. Burner
3. Control panel
4. Boiler expansion vessel
5. Anti-condensate pump
6. System expansion vessel
7. High temperature system pump
8. Water heater pump
9. Thermometer
10. Water heater
11. Water treatment
12. Filter
13. Water feed system
14. Fuel shut-off valve

SE External probe
SM Water delivery probe
SC Boiler probe
NR Non-return valve
VI Shut-off valve
SI I.S.P.E.S.L safety

System layout for REX, REX F and GREENOX.e boilers: 1 direct zone, 2 cascade boilers, 1 water heater



Description

1. Boiler
2. Burner
3. Water heater
4. By-pass valve
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6. Boiler expansion vessel
7. Anti-condensate pump
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9. Boiler circuit pump
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12. Water heater pump
13. Thermometer
14. Water treatment
15. Filter
16. Water feed system
17. Fuel shut-off valve

SE External probe
SM Water delivery probe
NR Non-return valve
VI Shut-off valve
SI I.S.P.E.S.L safety

Highly-qualified services capable of meeting the requirements of the the heat and energy saving fields.

SERVICE AREA

SERVIZI 300

The services on this page are available for:

INDUSTRIAL AREA

Industrial start-up

The start-up assistance of an industrial line boiler (steam, super-heated water and waste-heat boilers) is divided into the following categories.

- Start-up assistance of boilers without GSS
- Start-up assistance of boilers with GSS24/GSS 72 module B+D
- Hot functional test of boilers with GSS24/GSS 72 module F
- Industrial start-up assistance abroad
- Industrial start-up assistance with performance test

Start-up assistance of boilers without GSS

The start-up assistance of a boiler without GSS is provided by specialised technicians of ICI Caldaie or authorised service centres at the customer's heating plant room.
During the start-up, the presence of a technician is not compulsory, but it is very useful as a training occasion for the maintenance technician.
With regard to boilers installed in Italy, the only obligation of the customer is the request of the boiler commissioning to the competent INAIL office as per Ministerial Decree No. 329 of 1 December 2004.

Start-up assistance of boilers with GSS24/GSS72

The start-up assistance of a boiler with GSS 24/72 is provided by specialised technicians of ICI Caldaie or authorised service centres at the customer's heating plant room.
During the start-up, the presence of qualified technicians is very useful as a training occasion.
Boilers with GSS 24/72 are supplied by ICI Caldaie already certified according to modules B+D as per PED Directive 2014/68/EU. With regard to boilers installed in Italy, the only obligation of the customer is the request of the boiler commissioning to the competent INAIL office as per Ministerial Decree No. 329 of 1 December 2004.

Hot functional test of boilers with GSS24/GSS 72 module F

The assembly test of a boiler with GSS 24/72 can be performed in the presence of an appointed Notified Body at the ICI Caldaie facilities or customer's heating plant room.
If the assembly test is performed at the ICI Caldaie facilities, the presence of a technician, after the installation of a boiler, is not compulsory, but it is useful as a training occasion for the maintenance technician.
Boilers with GSS 24/72 are certified by ICI Caldaie according to modules B+D as per PED Directive 2014/68/EU. The customer does not have to request the commissioning since the product is compliant with art. 5, letter D of the Ministerial Decree No. 329 of 1 December 2004. The only obligation of the customer is to notify boiler commissioning to the competent INAIL office.

Industrial start-up assistance abroad

Assistance activities during start-up will be carried out by an Italian technician appointed by ICI CALDAIE, who does not own licences or local permits to operate on steam generators.
During assistance activities the customer will have to ensure the presence of personnel authorised to operate on the above-mentioned boilers.
The activity will only have technical-functional valence but not regulatory valence.
The technician in charge cannot sign the documents having this kind of valence.
The start-up of the burner is not included, and will have to be carried out by the local service centre authorised by the manufacturer of the burner and appointed directly by the customer.
The burner technician will have to be present during the carrying out of all the assistance activities performed by the ICI CALDAIE technician.

Start-up Assistance with performance test

The performance test is performed by specialised technicians of ICI Caldaie or authorised service centres at the customer's heating plant room. It involves testing of noise and/or efficiency and/or performance values agreed at the time of sale.

The services on this page are available for:

INDUSTRIAL AREA

Preventive maintenance of steam, superheated water and WHB boilers

The customer can at any time sign with ICI an ordinary maintenance agreement that, thanks to the scheduled inspections, guarantees the boiler control and the purchased product trouble-free operation over time. The preventive maintenance requires an annual inspection by our authorised Technical Service Centres (CAT) including the following operations:

- Cleaning and visually checking the level probes
- Checking the instrument train
- Checking the safety device operation
- Checking the flue gas side
- Checking the supply pump operation through the sight glasses
- Checking the seals for any leak and replacing them if needed (material not included)
- Checking the turbulator conditions (if any)
- Checking the main control panel
- Checking the boiler functionality
- Checking the access door internal coating

Requalification of the boilers to avoid constant surveillance for 72 or 24 hours

The steam and super-heated water boilers, during their operation in a heating plant room, must be monitored by duly authorised control personnel. ICI Caldaie offers the possibility of requalification of said boilers and to extend such obligation to 72 or 24 hours by installing a Global Safety System (GSS72 or GSS24) for steam and super-heated water boilers; this system allows leaving the operating heating plant room "unattended" for maximum 72 or 24 operating hours. Such operation has a variable cost according to the accessories already present in the boiler.

Retubing Boilers

The service involves the replacement of the fire tubes of boilers by ICI Caldaie or third parties, where the presence of leaks was ascertained. The job involves the mechanical removal of the broken tube and subsequent replacement involving welding. Upon each step of the procedure, the necessary non-destructive tests required by law will be carried out to ensure the success of the work.

The services on this page are available for:

INDUSTRIAL AREA

RESIDENTIAL AREA

Warranty extension

ICI Caldaie allows extending the commercial warranty according to the selected duration, starting from the delivery date. The base warranty extension provides only the warranty extension.
No warranty is provided if the damage is caused by:

- improper or unsuitable use
- installation or first start-up performed by the purchaser or third parties in a wrong way
- use or presence of chemical substances, electro-chemical or electric flow, not due to us
- failure to comply with the instructions provided in the user manual, improper changes or modifications, in any case performed by the purchaser or third parties
- faults of the elements not supplied by ICI Caldaie
- aggressive or halogen vapours in the environment (combustion air)
- corrosion due to oxygen
- presence of limestone
- use of the product even if faulty
- wrong electric power supply or connections
- pressure or gas type different from the ones specified for the product

Warranty application is granted by ICI CALDAIE SPA and is subjected to standard conditions of sale shown in the PRODUCT CATALOGUE.

WARRANTY

Any faults detected must be reported immediately by registered letter sent to ICI CALDAIE which reserves the right to carry out an inspection using its own personnel (direct or appointed) at the heating plant room where the problem has arisen. The part to be tested must be sent, carriage paid, to the ICI CALDAIE SPA Service to be examined. Only after this inspection, it will be possible to establish whether the fault is due to faulty material and/or manufacture, or whether it is due to an external cause. After this verification, the customer will be informed of whether or not the fault is covered by the warranty.
Furthermore, the water circulating in the system must be analysed 2 or 3 weeks after the boiler has started operation. This analysis is to be carried out by the installing company which will also bear the relative costs and the results must be attached to the plant register and communicated to ICI Caldaie within two months following the start-up of the boiler. The analysis must comply with the characteristics identified in technical manuals.
The warranty will cover only the defective part; any other expense, for example labour used for the replacement,will be charged to the person requesting the replacement.

The services on this page are available for:


INDUSTRIAL AREA


RESIDENTIAL AREA

Warranty extension

WARRANTY LIMITATIONS

Defects due to different causes not resulting from manufacturing defects are excluded from this warranty, and in particular:

- Tampering or improper adjustment of the boiler performed by the purchaser or third parties who are not part of the network of authorised Technical Assistance Centres on behalf of ICI CALDAIE SPA.
- Conditions of use not envisaged in the instructions and warnings provided on the instruction booklets of ICI CALDAIE SPA supplied with the boiler.
- Use of non-original ICI CALDAIE SPA spare parts.
- System faults, installation errors or non-conformity of the system in relation to the instructions, warnings, Laws, Regulations and applicable Technical Standards (for example: incorrect regulation, boiler supplied with incorrect gas or electrical power, use outside of the boiler type-approval field).
- Absence of exchanger between the primary circuit and the secondary one.
- Thermal shocks due for example to sudden and continuous filling of cold water into the system.
- In the event of operation with pressure below or exceeding the pressure indicated on the data plate of the boiler.
- In the event of clogging from limestone, deposits and sludge, presence of corrosion, overheating of the boiler body.
- No water in the system.
- Use of a fuel other than the indicated one to supply the boiler.
- In the case of inappropriate installations, operation or maintenance which cause damage to the boiler installed, for example poor regulation of the burner, absence of the safety elements required by current Regulations such as safety valves or suitable expansion system, or inappropriate chemical cleaning of the system.
- Use of an unsuitable product for treating the water in the system or an anti-freeze which is incompatible with the construction materials of the system.
- Failure to remove the processing waste and residues in the case of new system or removal of sludge and subsequent cleaning in pre-existing system. In both cases, the operations recommended must be carried out before the boiler of ICI CALDAIE SPA is assembled.
- Wrongful or negligent behaviour, attributable to a seller or other person unrelated to ICI CALDAIE SPA, during the transportation, handling, storage, assembly, installation and adjustment of the boiler.
- The warranty extension only refers to the boiler and excludes the accessories and materials used for the construction of the system and electrical parts.
- Failure to perform the ordinary maintenance as required by current regulations in force for the type of system and as required by the product user manual.
- Events of force majeure (for example: lightning, floods, earthquakes) or vandalism.
- Normal wear of parts (electrodes, refractory products, gaskets, knobs, indicator lights...).

Any technical assistance required to eliminate defects or faults attributable to one of the exclusion causes indicated above must be agreed separately from this Warranty and all related charges and costs will be charged to the applicant according to the price list in force of ICI Caldaie.

The ICI CALDAIE SPA warranty on the manufactured products is limited to the replacement or repair of parts of the boiler identified as being faulty and it does not extend to the repair of other materials present in the system or damage which could be caused or be related to, directly or indirectly, with the faulty part, and not even if the faulty part, or part of it, is unavailable.

The services on this page are available for:


INDUSTRIAL AREA


RESIDENTIAL AREA

Assistance for positioning and/or accessory assembly

This service includes the assistance by one of our specialised technicians during the positioning phases of the boiler in the heating plant room or during the accessory installation in the boiler.

Accessory assembly

The service includes the assembly of the accessories to the boiler once the latter is positioned in the plant room. In this case, for transport reasons, for the boiler introduction in the plant room, or because of specific needs of the customer, the accessories are installed only once the boiler is in its final position.
The following are excluded:

- Connection to the control panel and cable ducts
- Hydraulic connections to the system
- Any building and civil works
- Any crane, platforms and machinery for handling rental

Synoptic diagram

ICI Caldaie can set up a synoptic diagram for all boiler panels already connected to the Internet, allowing the remote reading and management of the systems. The dedicated web page or pages will be created based on the supplied plant layout. The synoptic diagram will be available to be viewed on any PC, tablet or Smartphone connected to the Internet (with compatible browser). For a demo, visit the website http://www.eterm.it/ita/sinottico/lista by entering MCE2016 as username and password.

Operation

- Saving the log data.
- Exporting the log data in tables.
- Displaying of log data on graphs (histograms, lines, pie charts, etc.). It is also possible to have more variables on a same graph or graphs of variables that cannot be measured directly but need to be calculated with mathematical formulas.
- Checking the functionality of the panel and accessories connected to it.
- Personalised alarms.
- E-mail service activation for configured alarms.
- Possibility to request one year of remote service for configuration checks and changes.

Flue gas analysis

This service includes the combustion analysis using a certified instrument; at the end of the analysis, the plant register is filled in.

Welding

We can provide assistance for repairs and/or modifications on the boilers using professional and qualified wire, electrode and TIG welders.
This service can be combined with non-destructive tests in case the repairs or changes are requested or have to be performed with the presence of third-party supervisors.

The services on this page are available for:

INDUSTRIAL AREA

RESIDENTIAL AREA

Endoscopy

Our technicians can perform endoscopic visits on ICI products in order to detect any sludge deposit or scale build-ups that can be found on the internal surfaces over time thus reducing the efficiency and performance of the boilers and leading to possible failure. We always recommend a suitable water treatment to avoid the formation of deposits and build-ups.

Burner start-up

In Italy, the start-up of the burner is normally included in the burner price whereas abroad is to be listed separately depending on the country of destination of the parts.

Maintenance of hot water and WHC boiler

The customer can at any time sign with ICI an ordinary maintenance agreement that, thanks to the scheduled inspections, guarantees the boiler control and the purchased product trouble-free operation over time. The preventive maintenance requires an annual inspection by our authorised Technical Service Centres (CAT) including the following operations:

- Visual inspection of the flue gas side;
- Checking the turbulator conditions (if any);
- Checking the main control panel;
- Inspection of the boiler insulation;
- Inspection of the gate operation (only for WHC boilers).

Software license Eterm™

Eterm™PCmanager is a Windows software for PC that allows the configuration and remote control of all Eterm™ and Nereix equipment. This software can be connected to the equipment by means of:

- Direct USB connection to all equipment;
- RS232 (serial port) direct connection to eterm™ Master equipment;
- GSM modem for eterm™ Master equipment and Boiler Control Board;
- Internet connection after free-of-charge registration of the system on www.eterm.it.

Software licenses are available in three versions:

Eterm™PCmanager base version:

- permanent base version that allows configuration, management and remote control according to the above-mentioned methods. It does not allow reading, storing and processing consumption data.

Level 2 Eterm™PCmanager version:

- in addition to configuration, management and remote control according to the above-mentioned methods, this version allows reading, storing and processing consumption data. In order to be able to exploit the advantages of this software, it is advisable to participate in the training courses (subject to payment) that ICI Caldaie organises at its headquarters at 38 Via Giovanni Pascoli, situated in Zevio (Verona). Software license can be installed on a single computer and it provides for the management of a single system.

Synoptic configurator version:

- this software version enables the user to create a synoptic of the system, that is a scheme through which it is possible to view the system and data detected by the installed equipment. The whole process can be made via WEB without installing the eterm™PCmanager software.

The eterm™PCmanager software requires Windows operating system.

GENERAL CONDITIONS OF SALE

1) INTRODUCTION

The sale is carried out under the following general conditions, which form an integral part of the contract drawn up between the Parties. Entering into the contract decrees approval of the conditions below and any modifications of the aforesaid must be carried out exclusively in writing.

2) COMPLETION OF THE CONTRACT

The contract is completed when, after receiving a purchase order, the seller confirms its acceptance to the purchaser. This acceptance can be made by a sale confirmation or by the commencement of the contract without any obligation of having to give notice to the other party.

3) DESCRIPTIVE DOCUMENTS AND STRUCTURAL CHANGES

The weights, dimensions, capacity, price, performance, and any other data represented in catalogues, lists, circulars, advertisements, illustrations and price lists are for information purposes only and are not obligatory.
The seller reserves the right to make any structural changes to his products at any time, which is deemed necessary in order to guarantee operation and efficiency.

4) PACKAGING

Unless otherwise agreed upon, the prices listed in the offers also include standard packaging of the goods;
Maritime, wood, or any other type of non-standard packaging is deemed not included in the sale price, and is to be borne by the purchaser.

5) RISK TRANSFER

Unless otherwise agreed upon in writing, the goods are sold "ex works" with reference to the EXW Incoterms® 2010 clause.
In particular, the risk, transport expenses and other relative expenses to load the goods onto the vehicle are to be borne by the purchaser from the time in which the goods are made available in compliance with the contract, provided that the seller notifies the purchaser in writing with regard to the date from which the goods can be collected.

6) DELIVERY

Unless otherwise agreed upon, the delivery period shall start from the later date from the following:

- the date of completion of the contract as stipulated in Art. 2;
- the date of receipt of any payment on account or deposit made by the seller, which is provided for in the contract prior to delivery of the goods;

Unless otherwise agreed upon in writing, the delivery conditions of the said goods to be sold are deemed estimated.
If, for whatever reason, which is not an action or negligence by the seller, the purchaser fails to collect the goods at the time and place agreed upon in the contract, he shall in any case effect all payment established in the contract as though the goods were delivered. In this case, when the goods are identified, the seller shall store them at the expense and risk of the purchaser. The seller also has the right to reimbursement of all expenses incurred to enforce the contract and not covered by any payments received, with the exception of the right to compensation for damages.

7) PRICE AND PAYMENT

Unless otherwise agreed upon, the price for the goods is agreed upon as "Ex Works". Therefore, transport expenses and any additional expenses are therefore excluded, including taxes due as local taxes.
Payment is due by the date established in the contract, without any other request or formality by the seller. Delay in payment shall result in interest accrued pursuant to Italian Legislative Decree 231/2002, which adopts and implements EU directive 2000/35/EC.
If the purchaser delays any payment whatsoever, the seller, at his discretion, shall:

- suspend or postpone obligations held;
- declare the contract terminated by way of simple written notice without prejudice to his right to be reimbursed for all expenses incurred in the performance of the contract, except for the right to compensation for damages.

8) WARRANTY AND EXCLUSIONS

The seller shall undertake to repair faults resulting from design, material or processing defects, exclusively within the following limits.
The obligation undertaken by the seller is limited to defects that occur during the period called "warranty period", which shall come into effect from risk transfer, which corresponds to the provisions of Art. 5, until the expiry of the terms set forth below;
The parties agree that the warranty includes repairs or replacement of parts, which, at the discretion of the seller, are necessary for the proper operation of the product, within the said warranty conditions, in particular, the seller recognises each construction defect found, in the following terms, for:

- Commercial range steel boiler body 36 months
- Industrial range steel boiler body 12 months
- Condensing range boiler body 36 months
- Storage tank body 12 months
- Electrical and electronic parts and/or accessories 12 months

from the aforesaid date of risk transfer.
The warranty does not include maintenance operations of the devices regarding the contract of sale, which shall be borne by the purchaser;
In order to make use of the warranty as indicated in this article, the purchaser shall, without delay, give notice in writing not later than eight days, under penalty of invalidation, from the date of delivery, the defects that were detected. This action is barred after a period of one year, or other period as indicated above;
The aforesaid notification shall not release the purchaser from his obligation of payment under the terms agreed upon. Delay, failure, or incorrect payment shall result in a disclaimer of the warranty referred to in this article.
Execution of the warranty shall take place upon technical verification and recognition of the alleged defect at the premises of the seller, and according to company procedure. The purchaser of the device is to pay the fixed minimum charge for any intervention required, of the cost of transport of the pieces to be replaced, of labour costs, with the exception of those related to any repairs and any travel, food and accommodation expenses of the seller's personnel using the rate in force. Technical personnel shall be sent within the time granted by organisational requirements.
Any replacements or repairs shall not modify the start date and duration of the warranty established in the sales contract or in these general conditions. The replaced parts and components shall be the property of ICI CALDAIE S.p.a. and must be returned by, and at the expense of, the purchaser.
The seller's responsibility is solely extended to defects that emerge in the operating conditions provided by the contract and used correctly, as specified in the relative user instructions in the installation manual that always precedes or accompanies the delivery of the product. The seller's responsibility is excluded for defects resulting from faulty installation, maintenance, and use; due to insufficient capacity or abnormality of hydraulic systems, fuel supply; for use that differs from what the product was built for; for unsuitability or otherwise erroneous and incorrect supply water treatment; for corrosion caused by water condensation and aggressiveness; for badly conducted treatments; for stray currents; for negligence or inability of use; due to frost; due to lack of water; for inefficiency of the chimneys or discharges; for tampering by unqualified or unauthorised personnel; for parts subject to normal wear and tear of use, for anodes, refractories, gaskets, knobs, warning lights, etc., and in any case, for reasons not to be ascribed to ICI CALDAIE S.p.A.
In the event of failure to find the manual of use mentioned in the previous point, the purchaser shall submit a notice in writing to the seller within a period of eight days from delivery of the product. Failure to submit the said notice shall imply the manual was delivered with one of the products.
Subject to what is provided in this article, from the risk transfer of the goods and also for defects whose cause is prior to the said transfer, the seller shall not undertake other responsibilities. It expressly provides that the purchaser cannot raise any claim for injury to persons or damage to property.
The parties can also establish to limit the seller's responsibility of gross negligence, unwavering the significance of all references in this regard made in these general conditions.
After the warranty duration terms, technical assistance can be carried out by charging the purchaser for any replaced parts or for expenses related to repairs, provided that all labour and travelling expenses of personnel and transport of materials are to be borne by the purchaser according to the rate in force by the seller.

9) REASONS FOR EXEMPTION FROM EXECUTION

A party is not responsible for the failed execution of any of its obligations should:

- Failed execution be due to an impediment beyond his control;
- The party, upon concluding the contract, could not be reasonably held to envisage the said impediment and its effects on the position to execute the contract;
- The party could not have reasonably avoided or overcome such an impediment or its effects;

A cause of exemption from liability pursuant to this article exempts the defaulting party from payment of damages, penalties and other contractual sanctions.
It also suspends the terms of execution of the contract for a reasonable period, excluding any counter-party's right to cancel or terminate it.
Each party can retain what he has held from execution of the contract before it was ended. The final payment must be effected without delay.

10) INSTALLATION AND OPERATION

ICI sells a product.
Installation is to be carried out by the purchaser, who must execute the provided technical provisions by the laws and regulations in force and, in any case, by the relative technical manual, including assembly, start-up, and operation.

11) AMENDMENTS

Any amendment to these General Conditions of Sale can be effective only if made by means of a written act.

12) APPLICABLE LAW AND PLACE OF JURISDICTION

With regard to any disputes, the parties agree that the contract shall be governed by the United Nations Convention on contracts for the international sale of goods, concluded in Vienna on 11 April 1980, signed by the Italian State on 30 September 1981, ratified by Law No. 765 on 11 December 1985, and entered into force on 1 January 1988.
The right to apply Italian law with regard to what is not expressly governed by the United Nations Convention on contracts for the international sale of goods shall be valid.
For any dispute or litigation that may arise or result from this provision, the Court of Verona shall have jurisdiction.

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