

CE SERIES

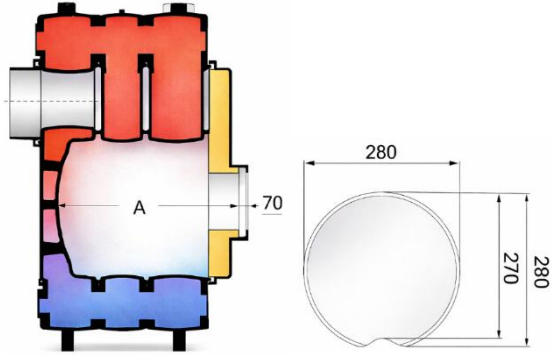
CAST IRON JET BURNER BOILER

- ➔ Durable Cast Iron Sectional Design
- ➔ Light Oil Combustion Technology
- ➔ Superior High Efficiency

- Pressurized light-oil fired heating boilers and heating units with capacities ranging from 24 kW up to 86 kW.
- Optimized heat exchanger design enables the CE Boiler to deliver high efficient performance at maximum input rates between 92% and 94%.
- Durable cast iron sectional construction with horizontal three-pass flue gas circulation ensures reliable operation and extended service life thanks to its resistance to thermal stresses.
- Low-temperature boiler design in accordance with EN 303 Part I standards.
- User-friendly control system designed for easy operation and maintenance.
- Operating pressure up to 4 bar and maximum working temperature up to 100°C.



TYPE	CE 3	CE 4	CE 5	CE 6	CE 7	CE 8	CE 9	CE 10
A	321	412	503	594	685	776	869	965



CE SERIES

CAST IRON JET BURNER BOILER



TYPE	Unit	CE-3	CE-4	CE-5	CE-6	CE-7	CE-8	CE-9	CE-10	
Number of Sections		3	4	5	6	7	8	9	10	
Heat Output	kW	24	32	40	48	57	66	76	86	
Heat Output	Kcal/h	20600	27500	34400	41270	49000	56760	64990	73764	
Efficiency	%	90	90,6	92,5	93	93,3	93,5	93,7	93,99	
Working Temperature Max.	°C	100								
Working Pressure Max.	bar	4								
Boiler Chimney Diameter	mm	130			150					
Flue Gas Temperature	°C	175	160	160	160	185	185	185	185	
Water Inlet-outlet	inch	1 1/4			1 1/2					
Boiler Water Content	lt	19,6	23,4	27,2	31	34,8	38,6	41,7	44,6	
Electrical Supply		220V / 50hz								
Height	mm	830								
Width	mm	450								
Length	mm	452	543	634	725	816	907	998	1087	
Weight	kg	103	127	151	176	200	225	250	275	



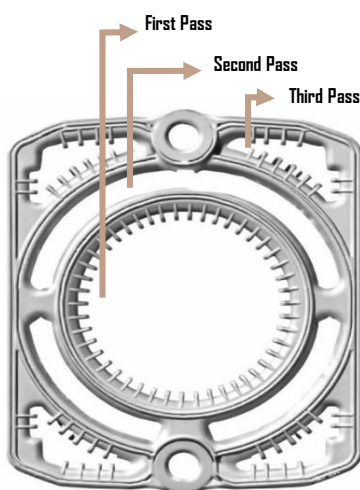
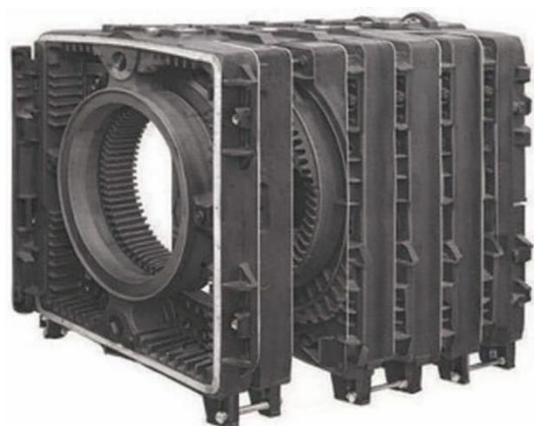
EL SERIES

CAST IRON JET BURNER BOILER

- ➔ **High-Efficiency Central Heating Boiler**
- ➔ **Built with Durable Cast Iron Modules**
- ➔ **Advanced Three-Pass Combustion Technology**

Operates with Natural Gas, LPG, and liquid fuels (diesel and fuel-oil)

- Thermal shock-resistant design thanks to elastic casting technology
- Approximately 30 years of long service life with corrosion-resistant cast iron sections
- Non-condensing operation suitable for low-temperature systems with 93% efficiency
- Installation without the need for a shunt pump due to the Return Flow system
- Up to 30% lower heat loss thanks to special insulation, safe for human health and the environment
- Capacity increase possibility by adding additional sections
- Easy on-site assembly without any wall demolition
- Built-in by-pass function
- 5% lower initial investment cost
- Lower return water temperature compared to similar cast iron boilers
- Trouble-free operation supported by a wide and experienced service network
- CE and TSE certified



EL SERIES

CAST IRON JET BURNER BOILER

Return Flow System

Our boilers are designed to operate efficiently in **low-temperature heating systems** thanks to the integrated **Return Flow System**. This system prevents condensation problems that typically occur in conventional boilers when the return water temperature decreases.

The cold water returning from the heating system is **distributed evenly across the cast iron sections**, rather than entering the boiler at a single point. This balanced distribution prevents direct contact between cold return water and high-temperature surfaces, ensuring safe and stable operation.

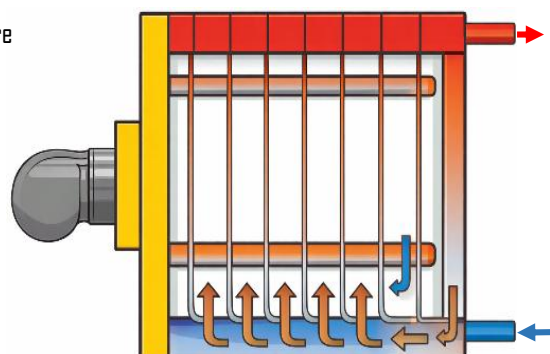
Condensation inside a boiler can lead to **corrosion, mold formation, and reduced service life**. The Return Flow System minimizes these risks by maintaining a balanced temperature throughout the boiler body.

Minimum Return Water Temperature

- **40°C** for Natural Gas and LPG operation
- **30°C** for Diesel and Fuel-Oil No.5 operation

When these temperature limits are maintained, **condensation will not occur during normal operation**.

During the **initial start-up phase**, temporary condensation may appear until the boiler water reaches thermal equilibrium. Once the return water temperature reaches the recommended levels, the condensation effect will disappear and the boiler will continue operating safely and efficiently.



Parameter	Unit	EL-4	EL-5	EL-6	EL-7	EL-8	EL-9
Number of sections	-	4	5	6	7	8	9
Rated heat output	kW	100	139,5	183,7	220,9	259,3	300
Rated heat output	kCal/h	86000	120000	158000	190000	223000	258000
Flue gas resistance	mbar	0,4	0,9	1,6	2	2,3	3,2
Max working temperature	°C	95					
Max working pressure	bar	4					
Water circulation diameter	DN	65 (2½")					
Gaseous temperature	°C	185					
Outflow diameter (Ø)	mm	208					
Boiler water capacity	lt	49	61	73	85	96	108
Burner mounting slot diameter (Ø)	mm	170					
Burner mounting slot depth	mm	min.115					
Combustion chamber diameter (Ø)	mm	370					
Combustion chamber depth	mm	450	580	715	845	975	1105
Width	mm	780					
Height	mm	880					
Length	mm	744	878	1012	1146	1280	1414
Weight (Boiler Block + pallet)	kg	468	557	645	732	820	907
Certification	-	CE & TSE Certificate					