

SOLAIA

CAST IRON BOILERS

Commercial Boilers

Low flue gas emissions achieved by our 3 pass design lowers the impact on the environment

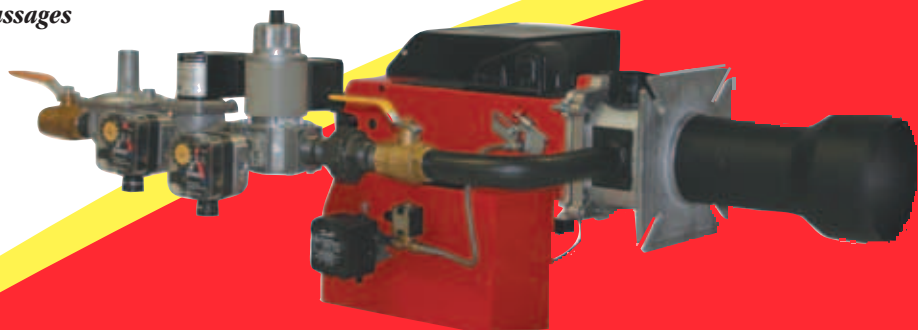
Benefits and Features of our CSL

- Boyertown is proud to present our Solaia Commercial Series Cast Iron Boiler.
- Our CSL Boilers are manufactured from GG20 cast iron designed to resist corrosion and thermal shock.
- A full size swing door for easy access to the combustion area allows for complete and thorough maintenance.
- The 3 pass design of the Solaia CSL allows maximum heat transfer and does not require refractory materials in the chamber area.
- The CSL boiler has 3" installation to reduce standby heat loss.
- The Solaia commercial boiler comes knocked down for field assembly and can be fired with #2 fuel oil, natural gas or propane.



*Superior serviceability
with complete access
to all flue passages*

Also available with the
Heat Wise Multi-Fuel Burner
DF-2 and MF12



SOLAIA *Ratings and Data*

Features of the Solaia Commercial Cast Iron Boiler

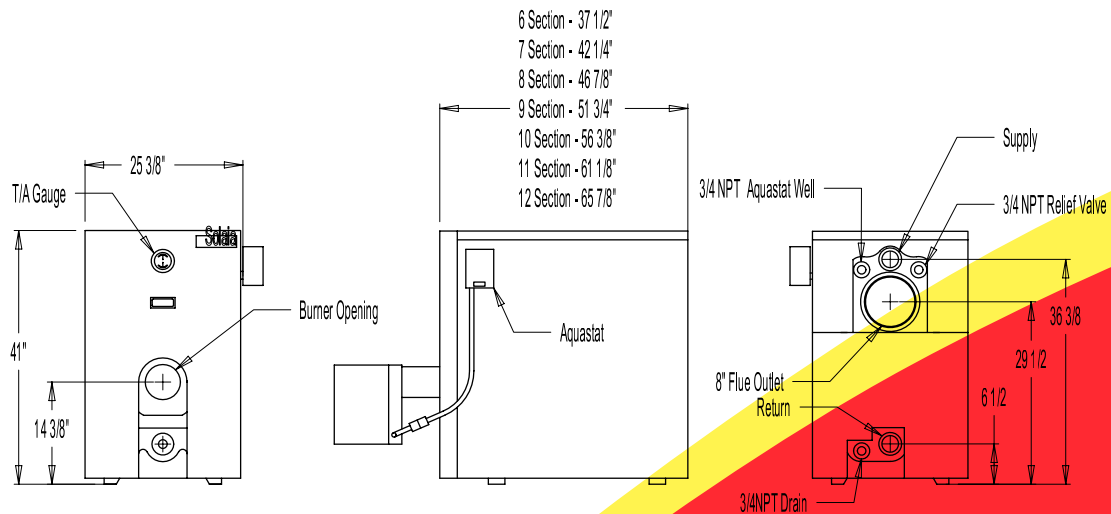
- GG 20 cast-iron
- 72 psi cast-iron construction
- Easy-access swing door
- ASME Listed
- Boilers shipped knocked down
- Available with multi-fuel burners
- 3-pass wet base design
- Low water volume
- Extra heavy insulation for low jacket standby losses
- One size jacket fits all
- Can be fired with #2 oil, Natural Gas or Propane
- 240,000 to 629,000 Net BTU/Hr output

Ratings

Boiler Model No.	CSL6	CS7	CSL8	CSL9	CSL10	CSL11	CSL12
Firing Rate - #2 Fuel	2.30	2.90	3.50	4.10	4.70	5.30	5.90
Input BTU/HR	322,000	406,000	490,000	574,000	658,000	742,000	826,000
Output BTU/HR	276,000	352,000	426,000	501,000	575,000	649,000	723,000
Net Output BTU/HR	240,000	306,000	370,000	436,000	500,000	564,000	629,000
Combustion Efficiency Oil	85.7	86.7	86.9	87.3	87.3	87.4	87.5
Max Input Gas	322,000	406,000	490,000	574,000	658,000	742,000	826,000
Max Output Gas	268,000	342,000	413,500	487,900	559,300	631,400	703,700
Combustion Efficiency Gas	83.2	84.2	84.4	85.0	85.0	85.1	85.2
Net Rating Sq. Ft.	1600	2040	2465	2910	3335	3760	4195
Water Capacity Gals.	17	20	23	26	29	32	35
Shipping Weight w/ burner, jacket and trim kit	1170 lbs	1300 lbs	1433 lbs	1540 lbs	1660 lbs	1785 lbs	1900 lbs

Dimensions

Dimension	CSL6	CS7	CSL8	CSL9	CSL10	CSL11	CSL12
Cabinet Height	41-1/8"	41-1/8"	41-1/8"	41-1/8"	41-1/8"	41-1/8"	41-1/8"
Cabinet Width	25-3/8"	25-3/8"	25-3/8"	25-3/8"	25-3/8"	25-3/8"	25-3/8"
Cabinet Length	37-1/2"	42-1/4"	46-7/8"	51-3/4"	56-3/8"	61-1/8"	65-7/8"
Bare Boiler Block Length	34-3/8"	39-1/8"	43-3/4"	48-1/2"	53-3/8"	58"	66-3/4"
Bare Boiler Block Width	19"	19"	19"	19"	19"	19"	19"
Supply Outlet Size NPT	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Supply Outlet Height C.L.	34-1/8"	34-1/8"	34-1/8"	34-1/8"	34-1/8"	34-1/8"	34-1/8"
Return Size NPT	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Return Outlet Height C.L.	3-7/8"	3-7/8"	3-7/8"	3-7/8"	3-7/8"	3-7/8"	3-7/8"
Flue Outlet Diameter	8"	8"	8"	8"	8"	8"	8"
Flue Outlet Height C.L.	34-1/4"	34-1/4"	34-1/4"	34-1/4"	34-1/4"	34-1/4"	34-1/4"



H Constructed and hydrostatically tested in accordance with ASME Boiler Code, Section IV.



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