GRANADA

CAST IRON BOILERS

Nominal Power 35-81 kW

CAST IRON BOILERS

for oil & gas fuels

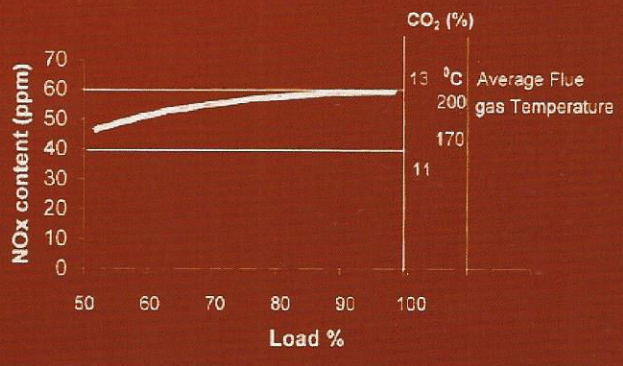
GRANADA CAST IRON BOILERS

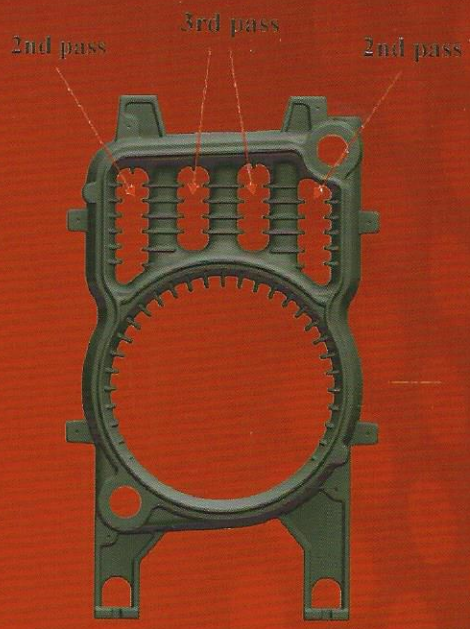
The cast iron boilers **GRANADA** are produced from GG20 corrosion resistant, low phosphorous cast iron and they are suitable for pressurized gas or oil burners. The three flue gas passes ensures high efficiency operation.

Cast iron is an alloy whose properties remain unaltered throughout time and is synonymous with reliability, long life and ease of maintenance. The particular shape of cast iron heat exchanger leads to perfectly balanced combustion with very low gas exhaust emissions.

Structure

The GRANADA boilers have three flue gas passes and are produced according to DIN 1691. The automatic molding lines are used, giving moulds of high strength, clean and smooth casting surfaces.





Front Door assembly

Step 1 . Insert front ceramic fiber refractory into front door.

Step 2 . Attach incombustible rope in front door groove by some glue.

Step 3 . Assemble observation port cover on the door by means of port screw.

Boiler assembly

Step 1 . Assemble front door subassembly on front section by means of 4 hinge parts. If there's tendency to have right side rotational opening direction, two special pins should be embedded into right sided hinge parts.

Step 2 . Insert water distributor part into lower opening of rear section and finally fix connecting pipe flange by means of M10×53 stud screws.

attention: Two sizes of connecting pipe flange are used in GRANADA boilers.

1 ¼" for 3 and 4 section boilers

1 ½" for 5 and more section boilers

Step 3 . Fix upper connecting pipe flange by means of M10×53 stud screws.

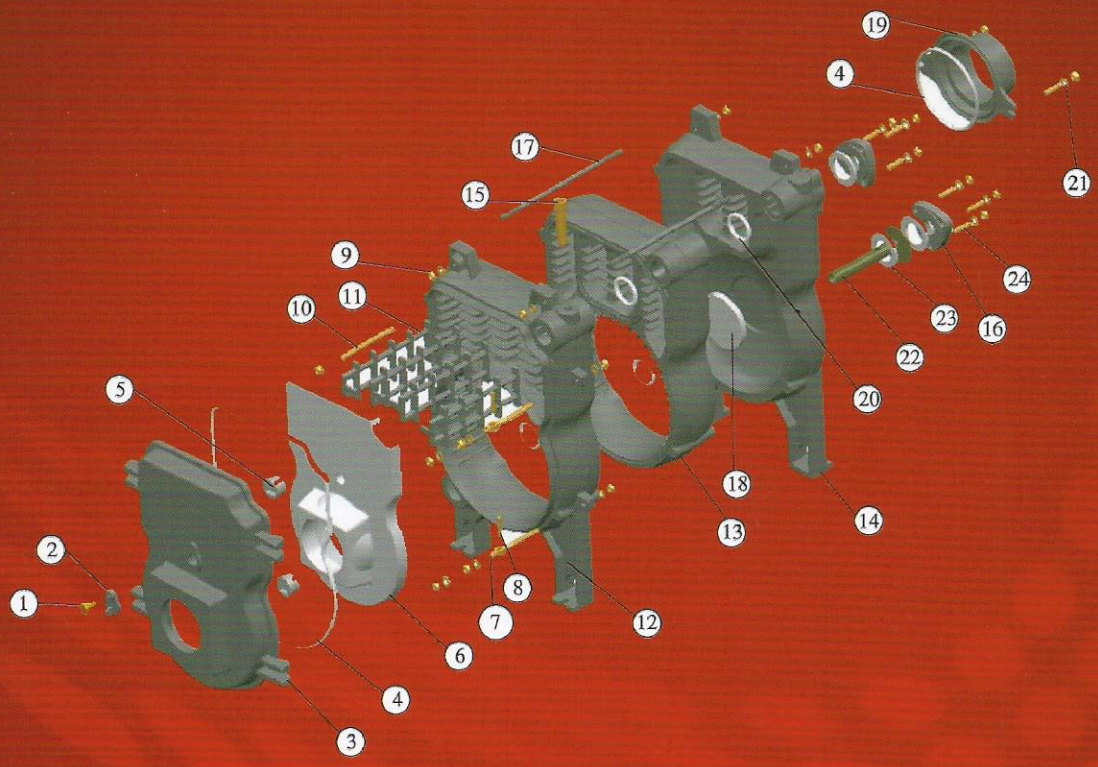
Step 4 . Attach incombustible rope to chimney part groove by some glue.

Step 5 . Fix chimney part to Rear section by means of two M10×53 stud screws.

attention: Two models of chimney are used in GRANADA boilers.

125mm diameter for 3 and 4 section boilers

145mm diameter for 5 and more section boilers



24	Screw
23	Non asbestos washer
22	Water Distributor
21	Washer
20	O-Ring
19	Flue gas collector
18	Rear fire brick
17	Tie rod
16	Flange
15	Aquastat Case
14	Rear Section
13	Intermediate Section
12	Front Section
11	Retarder
10	Screw
9	Nuts
8	Pin
7	Hinge Part
6	Front fire brick
5	Blind Flange
4	Non Asbestos Rope
3	Front Door
2	Observation port cover
1	Port Screw

Technical Specifications

Models		R-30	R-40	R-50	R-60	R-70
No. of sections	Pc's	3	4	5	6	7
Heating power	kW	29-35	40-46	52-58	64-70	75-81
	kcal/h	25000-30000	35000-40000	47000-51000	58000-63000	70000-75000
Weight	kg	116	143	170	197	224
Water content	Lit	14	17.5	21	24.5	28
Boiler length	mm	495	595	695	795	895
Boiler height	mm	685				
Boiler width	mm	415				
Chimney bore	mm	130	130	150	150	150
Connections	inch's	1 ¼	1 ¼	1 ¼	1 ½	1 ½
Flue gas resistance	mm Water	2.45	2.77	2.98	3.15	3.48
Burner holder bore	mm	110				
No. of retarders	Pc's	4	4	2	2	2

Hydrostatic Test Pressure : 6 bar
Working Pressure : 4 bar (max)
Maximum Water Temperature : 90°c