



# MONOLITE JB

## CONDENSING BOILER

### High efficiency using boiler condensing technology.

The MONOLITE has a very high efficiency (max. 109%) which places it at the peak of the classification according to European standards (Output Directive 92/42/EEC). The reasons for this high efficiency are:

- recovery of the latent heat by condensation of the water vapour present in the flue gases;
- extremely low flue temperature, equal to that of the return water plus about 10 deg. C;
- reduction to a minimum of heat loss through the boiler casing, as the boiler may operate regularly alternating total off-periods without limits, below the water temperature.

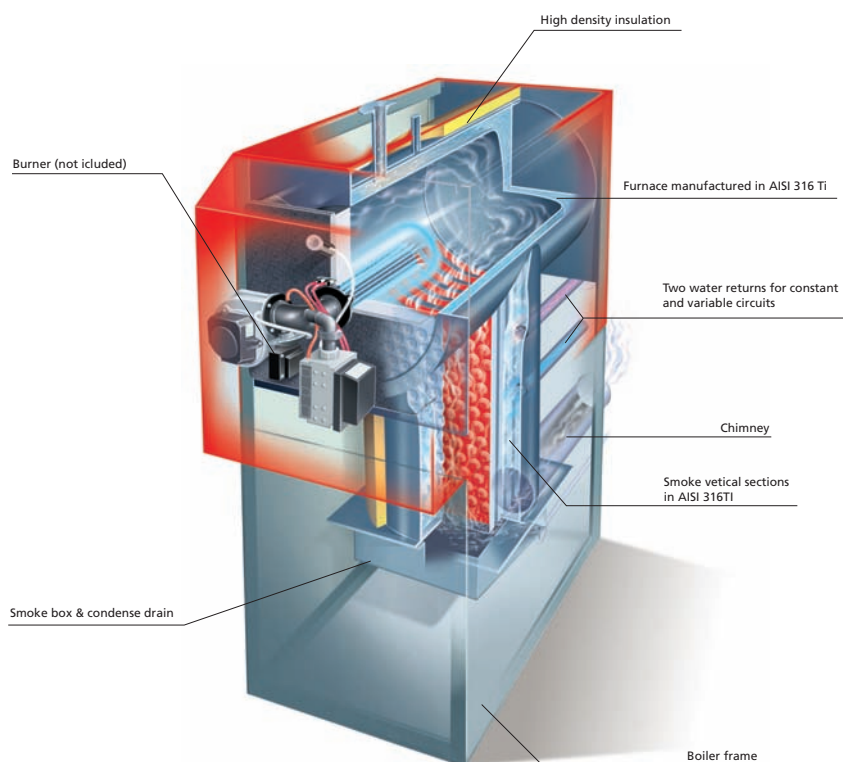
The AISI 316 Ti furnace and vertical flues are capable of resisting attacks from acidic condensation

Model	Boiler Code	Output*		Input	Efficiency		Pressure Drop	Burner blast tube length	Burner hole Ø	Water side pressure drop	Water vol.	Dimensions (H x L x P in mm)	Weight	Ø C
		80-60°C	50-30°C		80-60°C	50-30°C								
MONOLITE 75-JB	81020076	87	96	89	97,3	109	0,8	150-200	150	7,634	150	1825 x 867 x 985	220	150
MONOLITE 95-JB	81020096	110	122	113	97,3	109	1,0	150-200	150	12,492	210	1825 x 894 x 1325	280	180
MONOLITE 125-JB	81020126	145	161	149	97,3	109	1,1	150-200	150	22,208	200	1825 x 894 x 1325	320	180
MONOLITE 160-JB	81020160	186	206	191	97,3	109	1,5	150-200	180	12,492	308	1955 x 990 x 1545	520	200
MONOLITE 210-JB	81020210	244	270	251	97,3	109	2,0	150-200	180	22,208	285	1955 x 990 x 1545	590	200
MONOLITE 270-JB	81020270	313	348	323	97,3	109	2,1	150-200	180	15,962	340	1955 x 990 x 1790	680	200
MONOLITE 350-JB	81020350	406	451	419	97,3	109	2,3	150-200	225	11,104	392	2025 x 1130 x 1820	1030	250
MONOLITE 440-JB	81020440	511	566	527	97,3	109	2,5	150-200	225	17,35	560	2025 x 1130 x 2334	1230	250
MONOLITE 550-JB	81020550	639	708	659	97,3	109	2,7	150-200	225	27,066	523	2025 x 1130 x 2334	1270	250
MONOLITE 610-JB	81020610	709	786	731	97,3	109	2,7	150-200	225	33,8325	523	2025 x 1130 x 2334	1270	250
MONOLITE 670-JB	81020670	779	863	803	97,3	109	4,1	150-200	225	40,599	523	2025 x 1130 x 2334	1270	250

Working pressure: 4/5bar

Fuel: natural gas

\* output is calculated assuming a water temperature of 30°C



### Standard equipment

- Outer casing with high density insulation
- Boiler control panel complete with:
  - 1 main switch
  - 2 control thermostat
  - 1 safety limit thermostat - manual reset
  - 1 pump thermostat
  - 1 burner on/off switch
  - 1 pump on/off switch
  - 1 boiler thermometer