



H₂
Ready

BNX

Low-pressure reverse flame steam boiler



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VERY LOW PRESSURE STEAM

Monobloc low-pressure reverse flame wet back steam boiler, suitable for liquid or gaseous fuels. It is designed to guarantee high-quality steam at low operating pressures and with high peak loads. It has the latest generation user interface equipped with notification and alarm systems, and with optimised dimensions for the installation in small-size heating plant rooms to facilitate routine inspection and maintenance operations.

Nominal power
69,8 ÷ 2035 kW

Design pressure
0,98 or 0,5 bar

Efficiency
91 %



The New Freedom in Steam Management

BNX is designed to enable operation without the continuous presence of a licensed boiler operator, in compliance with Italian regulations applicable to low-pressure steam generators with capacities of up to 2 t/h. Thanks to its integrated notification and alarm systems, BNX ensures high standards of safety and reliability even during continuous unattended operation.

This solution helps optimize operating costs and simplify plant management while ensuring full compliance with all applicable legal requirements.

Certifications



4 STEAM DISTRIBUTION SYSTEM

3 STEAM OUTLET

2 DUOMO
Removes condensate and ensures a perfectly dry steam supply

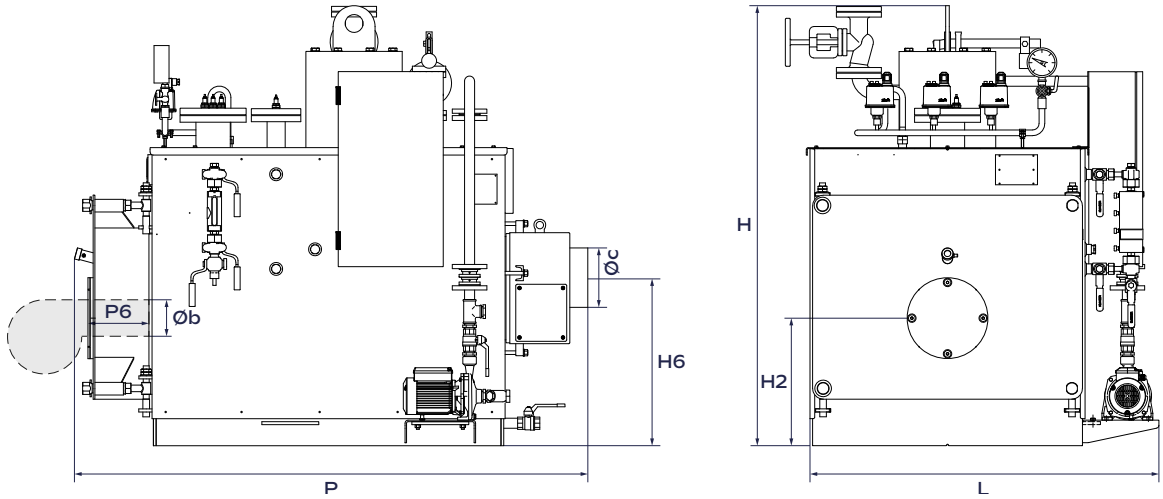
Condensate Control, Optimized Performance

Our Duomo, is a technology designed to effectively separate condensate droplets from steam. Its operation is based on a separation chamber where the lighter steam naturally rises, while the heavier water droplets fall downward. This physical process makes it possible to obtain steam free of liquid water, improving its quality before use in the production process.

Duomo Advantages

- Production of dry and stable steam
- Reduced presence of condensate in the steam line
- Improved control of the thermal process
- Greater reliability and operational continuity
- Lower risk of contamination related to condensate water

1 WET STEAM
The steam generated by heating the water rises, carrying with it small droplets of condensate



BNX	Dimensions							
	H (mm)	L (mm)	P (mm)	P6 (mm)	Øb	H2 (mm)	Øc	H6 (mm)
100	1280	1000	1225	240-290	130	385	180	485
150	1465	1160	1720	280-330	160	420	200	560
350	1795	1340	2060	280-330	180	575	250	720
500	1790	1440	2085	310-360	225	585	250	760
700	1790	1440	2335	310-360	225	585	250	760
850	2045	1560	2625	350-400	280	630	300	800
1000	2045	1560	2625	350-400	280	630	300	800
1400	2325	1770	2625	370-420	280	685	350	835
1700	2325	1770	2925	370-420	280	685	350	835
2000	2760	1940	3160	370-420	320	810	400	1000
2650	2510	2100	3720	420-470	360	850	450	1080
3000	2510	2100	3720	420-470	360	850	450	1080

TECHNICAL DATA

BNX	Steam production	Heat output	Thermal capacity	Total volume H ₂ O	Capacity at level	Flue gas pressure drop	Total weight
	kg/h	kW	kW	lt	lt	mbar	kg
100	100	69,8	77,4	200	150	0,7	470
150	150	105	115	400	480	1,5	660
350	350	233	256	805	515	3,5	1080
500	500	349	383	875	690	3,5	1300
700	700	465	511	995	800	5,0	1400
850	850	581	639	1400	1100	4,5	2000
1000	1000	698	767	1400	1100	6,0	2000
1400	1400	930	1022	2010	1560	5,5	2500
1700	1700	1163	1278	2280	1790	7,0	2700
2000	2000	1395	1533	3020	2050	7,5	3600
2650	2650	1744	1917	4240	3100	6,5	4900
3000	3000	2035	2236	4240	3100	7,5	4900