



BOILTE TOR

**TECHNOLOGICAL POWER WITHOUT
ADMINISTRATIVE BARRIERS**

CAPACITY: 300–3000 kg/h

STEAM TEMPERATURE: up to 115°C

PRESSURE: 0,7 bar



A technological solution that frees you from excessive supervision

In the world of industrial equipment, there is a rare symbiosis – where technical reliability meets regulatory simplicity. Low-pressure steam boilers Boilte Tor embody exactly this principle. This is not just a replacement for outdated bulky systems, but a conceptually new offering for businesses seeking agility and efficiency. If your production – from food processing and agriculture to light industry – depends on stable steam, but the prospect of lengthy regulatory approvals holds you back, the solution has been found.

The key advantage: Legal freedom from excessive regulation. Tor boilers operate at a safe overpressure of up to 0.7 bar and are classified as non-supervised equipment. Installation and commissioning follow a greatly simplified procedure.

The core feature of Tor: a conceptually new offering for businesses seeking agility and efficiency. Behind its apparent simplicity lies full industrial power with a steam output of up to 3 tonnes per hour, capable of becoming the backbone of your process cycle.

Fuel flexibility: Operation on gas (natural or LPG) or diesel fuel. Can be equipped with a burner tailored to your specific needs.

Key advantages (6 reasons to choose Tor)

1. Steam dryness fraction close to 1.0 – exceptionally dry saturated steam without entrained moisture. Maximum process efficiency.
2. Boiler steel 09G2S – high strength, impact toughness at low temperatures, excellent weldability, corrosion resistance. Service life measured in decades.
3. Gas-tight shell, pressurised operation – complete and controlled fuel combustion. High tightness and safety.
4. Flue gas temperature monitoring – key indicator of boiler condition. Timely detection of combustion irregularities. Proactive safety.
5. Fast commissioning – no lengthy approvals. Your new steam source starts operating within days of installation.

6. Complete factory readiness – supplied as a fully balanced technological module that has passed comprehensive factory tests.

Quality control: your guarantee without compromise

Our fundamental belief: simplicity of implementation should not come at the cost of reduced standards. Trust in Boilte Tor begins at the design stage and materialises in the form of a complete package of permits that you receive with the boiler.

- Certification readiness. Every unit of equipment has all the necessary certificates of conformity confirming its safe application. We take full responsibility for regulatory compliance, so you can focus on your business rather than bureaucratic procedures.
- Trust backed by metal and calculations. The boiler is supplied as a fully operational module that has passed comprehensive factory tests – hydraulic, functional, and automation system verification. You are not buying a "pig in a poke" – you are investing in a predictable and documented outcome.
- Material – the foundation of durability. The Boilte Tor shell is made from boiler steel. This low-alloy steel offers high strength and resistance to mechanical loads.

Enhanced accessibility for restricted spaces

Tor's compact, vertically oriented design enables installation in tight machine rooms, on mezzanine floors, or in existing production areas where floor space is limited. The boiler's relatively low weight and small footprint simplify rigging and positioning, making it suitable for retrofitting projects where building modifications would be impractical or costly.

Simplified water treatment requirements

Unlike high-pressure steam systems requiring extensive feedwater treatment, Tor's low-pressure operation (0.7 bar) relaxes demands on feedwater quality.

This reduces the capital and operating costs of water treatment equipment, including deaerators and chemical dosing systems, while still delivering high-quality dry steam for process applications.

Low emissions for urban installations

Tor's optimised combustion system and low-pressure design naturally result in reduced NOx emissions compared to high-pressure alternatives. This makes it suitable for installations in urban areas, near residential zones, or in facilities subject to strict environmental permits, where emission limits are a key consideration for plant siting.

Fields of application

- Food industry – sterilisation, pasteurisation, cooking, baking, steaming.
- Agriculture – feed steaming, farm disinfection, grain processing.
- Light industry – ironing, steaming, drying, fabric dyeing.
- Laundries / dry cleaning – washing, ironing, garment steaming.
- Woodworking – timber steaming and bending.
- Precast concrete production – concrete product curing.

- Car services and workshops – steam cleaning of components, thawing.
- Healthcare / hotels – sterilisation, laundry, steaming.
- Chemical / pharmaceutical – reactor heating, sterilisation.
- Greenhouses / mushroom cultivation – humidification, soil steaming.

Why choose Boilte Tor?

- Lifetime warranty on the boiler heat exchanger and main load-bearing components – an unconditional manufacturer's obligation, legally confirmed.
- Full certification package – for trouble-free commissioning and inspection by any regulatory authority.
- Engineering support at every stage – selection, site supervision, commissioning, start-up, staff training, and ongoing service.
- Factory-direct pricing – optimised logistics, no intermediaries, no hidden markups.

Technical specifications

Model, Tor	Power, kW**	Efficiency, %	Boiler resistance, mbar	Water volume, L	Steam space volume, L	Flue gas flow, m³/h	H, mm	B, mm	L, mm	Dry weight, kg
300	210	91,3	3,5	246	133	278	1112	1259	1601	510
400	280	91,3	1,1	306	153	435	1214	1358	1786	680
500	350	91,7	4,6	333	166	465	1214	1358	1878	730
600	420	91,7	5,6	358	179	532	1214	1358	1978	760
800	600	91,2	6,9	886	443	798	1580	1646	2321	1220
1000	700	90,2	5,7	986	493	931	1580	1646	2509	1360
1250	905	92,1	5,1	1086	543	1197	1754	1791	2359	1560
1500	1100	92,2	4	1266	633	1452	1754	1791	2681	1780
1750	1300	91,3	6,3	1466	733	1718	1754	1791	2960	1970
2000	1400	91,3	7,6	1496	763	1875	1754	1791	2996	2040
2250	1600	91,3	6	1620	810	2129	2021	2048	2961	2380
2500	1800	91,7	8,1	1760	880	2395	2021	2048	3195	2600
2750	2000	91,7	8	1953	976	2662	2149	2152	3195	2900
3000	2200	91,2	10,1	2000	1000	2916	2149	2152	3295	3100

****Power:** The values shown correspond to operation on methane (natural gas). When using diesel fuel or heavy fuel oil (mazut), a power adjustment (reduction) may be required in accordance with design standards and fuel-specific calculations.

Boilte reserves the right to modify dimensions and design without prior notice.

Dimensional tolerance: ±0.1–0.2% for all Boilte equipment.

BOILTE[®]
engineered trust

