FOR STEAM BATHS IN A CLASS OF THEIR OWN

NORDMANN AT4D

A high-end steam bath generator.
Reliable, versatile and easy to operate.
With integrated self-cleaning.

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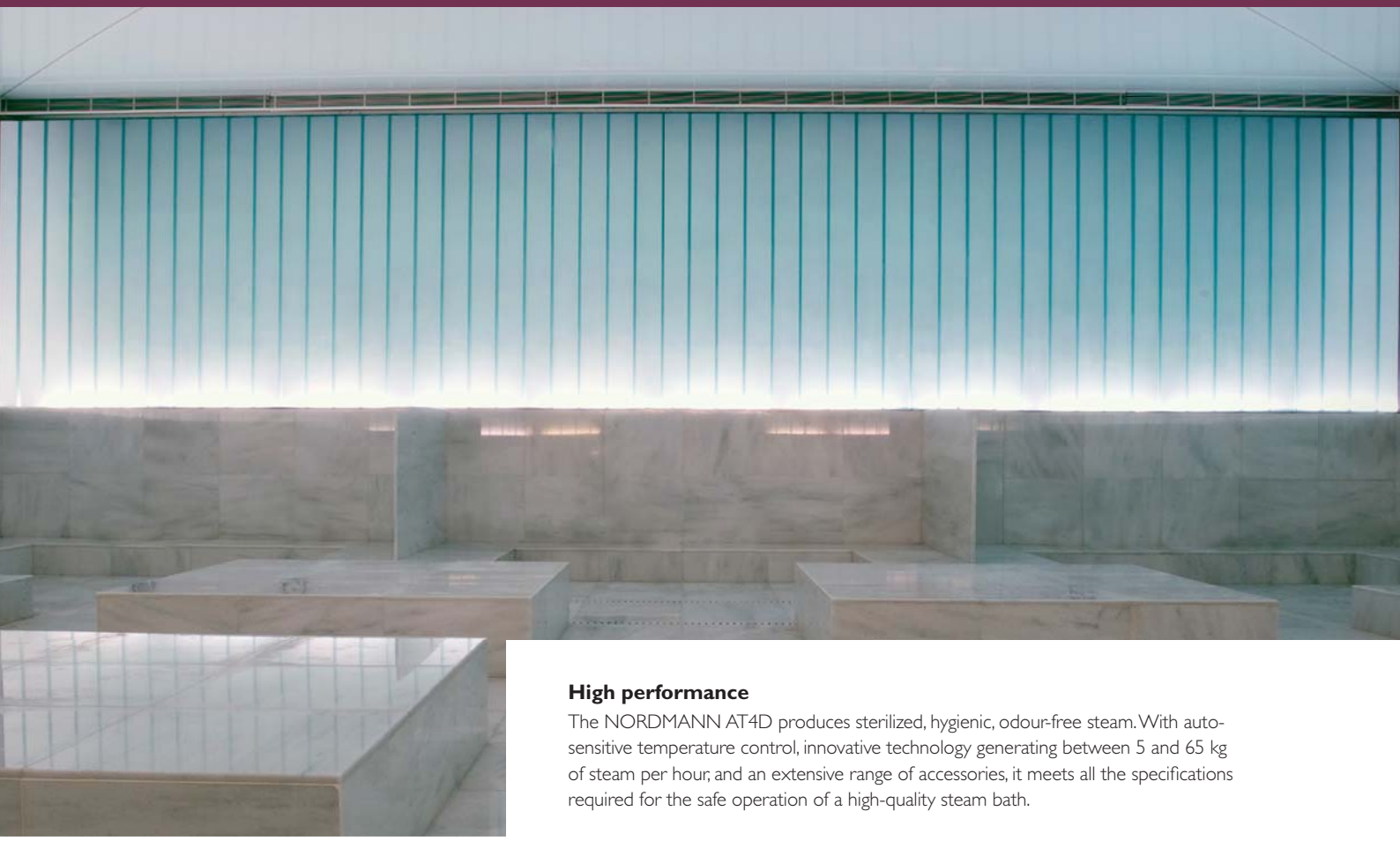


High performance

The NORDMANN AT4D produces sterilized, hygienic, odour-free steam. With auto-sensitive temperature control, innovative technology generating between 5 and 65 kg of steam per hour, and an extensive range of accessories, it meets all the specifications required for the safe operation of a high-quality steam bath.

NORDMANN AT4D

Easy to install

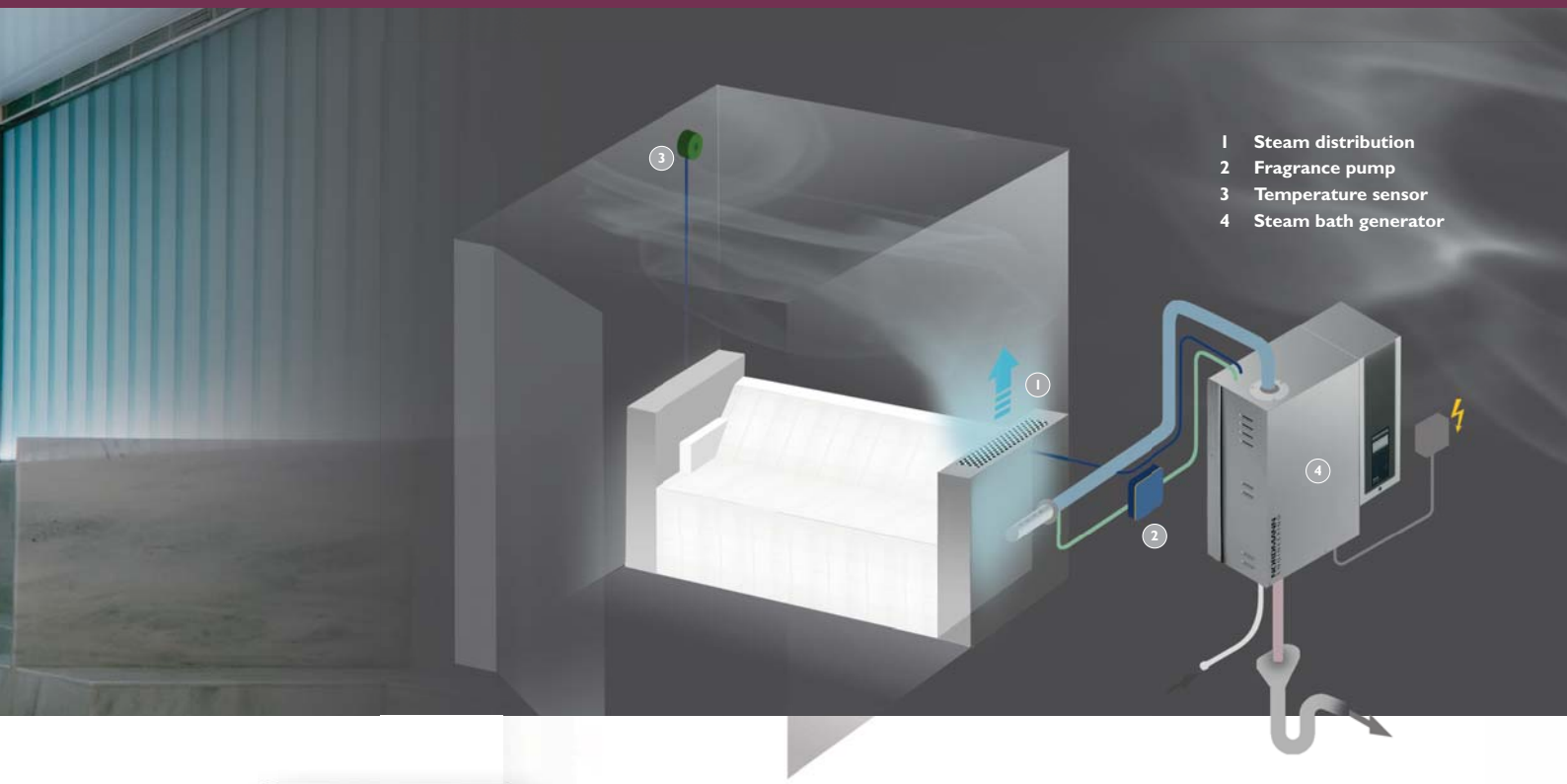
With a separate control unit, easy accessibility and external water and steam connections, the system could not be easier to install.

Intelligent water management

The water management automatically adjusts to local water conditions, keeping water consumption to a minimum.

Applications

The steam bath generator AT4D CALDARIUM is also suitable for Caldarium applications. Therefore a humidity control is standing next to an individually adjustable temperature control.



Easy to use

A three-inch graphic user interface provides easy access to important operating parameters such as temperature, lighting, cabin ventilation and fragrance injection.

Remote control panel of up to eight units

In hotels, health clubs and spa complexes, you have simple control of the steam bath from reception or another remote site.

Touch screen panel

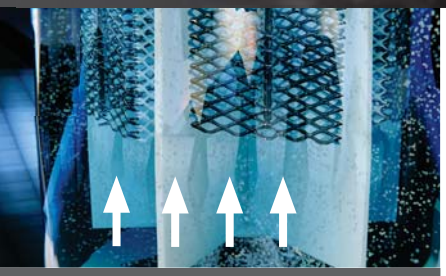
The specified temperatures, lighting and fragrance injection. Intervals can be set quickly and easily via the flush-mounted NORDMANN touchscreen panel.

Building technology

The AT4D can be integrated in existing building technology using the Modbus standard. If preferred, the steam generator may be networked via @Link to BACnet/IP and LonWorks.

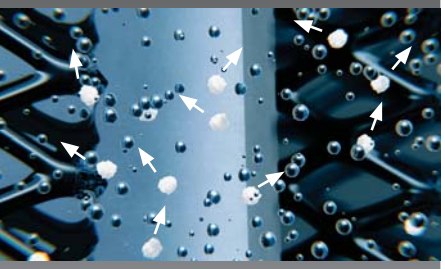
SC system

The NORDMANN AT4D steam cylinder
The patented self-cleaning system prevents limescale produced during steam production from forming deposits on the electrodes and cylinder sides. It is simply removed using the blowdown pump.
And for users that means maximum reliability and long service intervals.

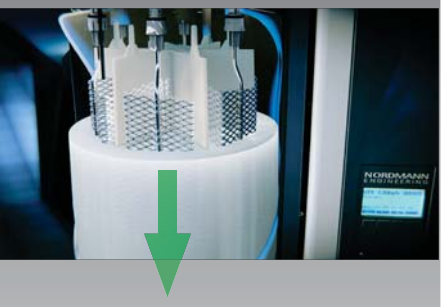


The SC system has an unusual, advanced feature that puts it in a class of its own:
Air is blown cyclically into the steam cylinder causing the water to swirl. This keeps the particles of limescale in the entire steam cylinder constantly in motion.

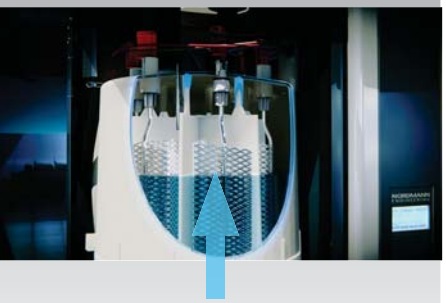
The formation of limescale in steam bath generators is a familiar problem that is inevitable when ordinary tap water is used. The longer the scale is left to form, the more it affects the efficiency and reliability of the heating electrode, steam cylinder walls and the water pipes.



This prevents the formation of limescale deposits on the heating electrodes and on the bottom and sides of the cylinder.



The fine particles of scale suspended in the water are rinsed out during the automatic, cyclical blowdown phase.



When the blowdown process is completed, the system is automatically refilled with fresh water and operation is uninterrupted.

The NORDMANN steam bath generator's SC system does not prevent the formation of limescale completely but it does significantly increase the intervals between services.

Characteristics	Standard	Option
SC-System	•	
5-line graphic display	•	
Multilingual, user-friendly menu structure	•	
Program-, service and info level	•	
Adjustable de-scaling modes	•	
Real-time clock and timer programming	•	
Auto-sensitive temperature control	•	
Self diagnostic capabilities	•	
Remote operation and fault indication	•	
RS485 interface with Modbus protocol	•	
Mounting rails	•	
Terminals	•	
Split version		•
Remote control panel of up to eight units		•
Steam bath nozzles		•
Touch-Screen Panel		•
Building Management System (BACnet IP / Lon Works)		•
Temperature sensor		•
Fragrance pump		•

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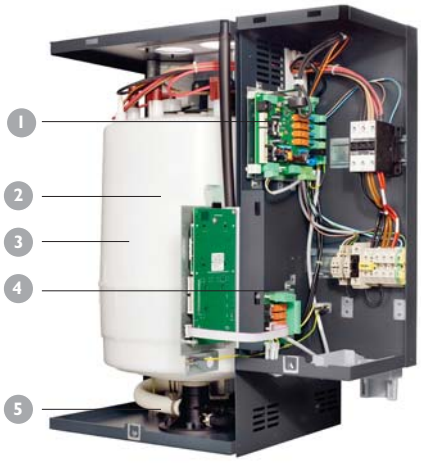

1 **Separate control unit**

2 **Pump self-cleaning (SC) system**

3 **Steam cylinder**

4 **Electrogalvanized housing with powder coating**

5 **Blowdown pump**

Technical data

Steam output	kg/h	5	8	15	23	32	45	65
Capacity range	kg/h	1–5	1.6–8	3–15	4.6–23	6.4–32	9–45	13–65
Nominal power	kW	3.8	6.0	11.3	17.3	24.0	33.8	48.8
Steam cylinder	Quantity	1	1	1	1	1	1	1
Heating voltage*	Volt	400V / 3~ / 50..60 Hz						
Nominal current	Ampere	5.4	8.7	16.2	24.9	34.6	48.7	70.4
Classification	Type	534	834	1534	2364	3264	4564	6564
Heating voltage*	Volt	230V / 3~ / 50..60 Hz						
Nominal current	Ampere	9.4	15.1	28.2	43.3	60.2		
Classification	Type	532	832	1532	2362	3262		
Heating voltage*	Volt	400V / 2~ / 50..60 Hz						
Nominal current	Ampere	9.4	15.0					
Classification	Type	524	824					
Heating voltage*	Volt	230V / 1~ / 50..60 Hz						
Nominal current	Ampere	16.3	26.1					
Classification	Type	522	822					
Dimensions	Width mm	428	428	508	508	563	563	
	Height mm	575	575	620	620	640	640	
	Depth mm	255	255	345	345	354	354	
Net weight	kg	12	12	19	19	28	28	
Operating weight max.	kg	17	17	29	29	65	65	
Control voltage	230VAC/1, 50..60Hz							
Temperature sensor	KTY 81-100, PT100, PT1000							
Water quality	Untreated drinking water with a conductivity of 125...1250 µs/cm							
Type of protection	IP21							
Conformity	CE, VDE, GOST							

* other heating voltages on request

2560098 1209

Nordmann Engineering Ltd.
Talstrasse 35-37
8808 Pfäffikon, Switzerland
Phone +41 55 416 66 06, Fax +41 55 416 62 46
info@nordmann-engineering.com
www.nordmann-engineering.com

NORDMANN ENGINEERING