

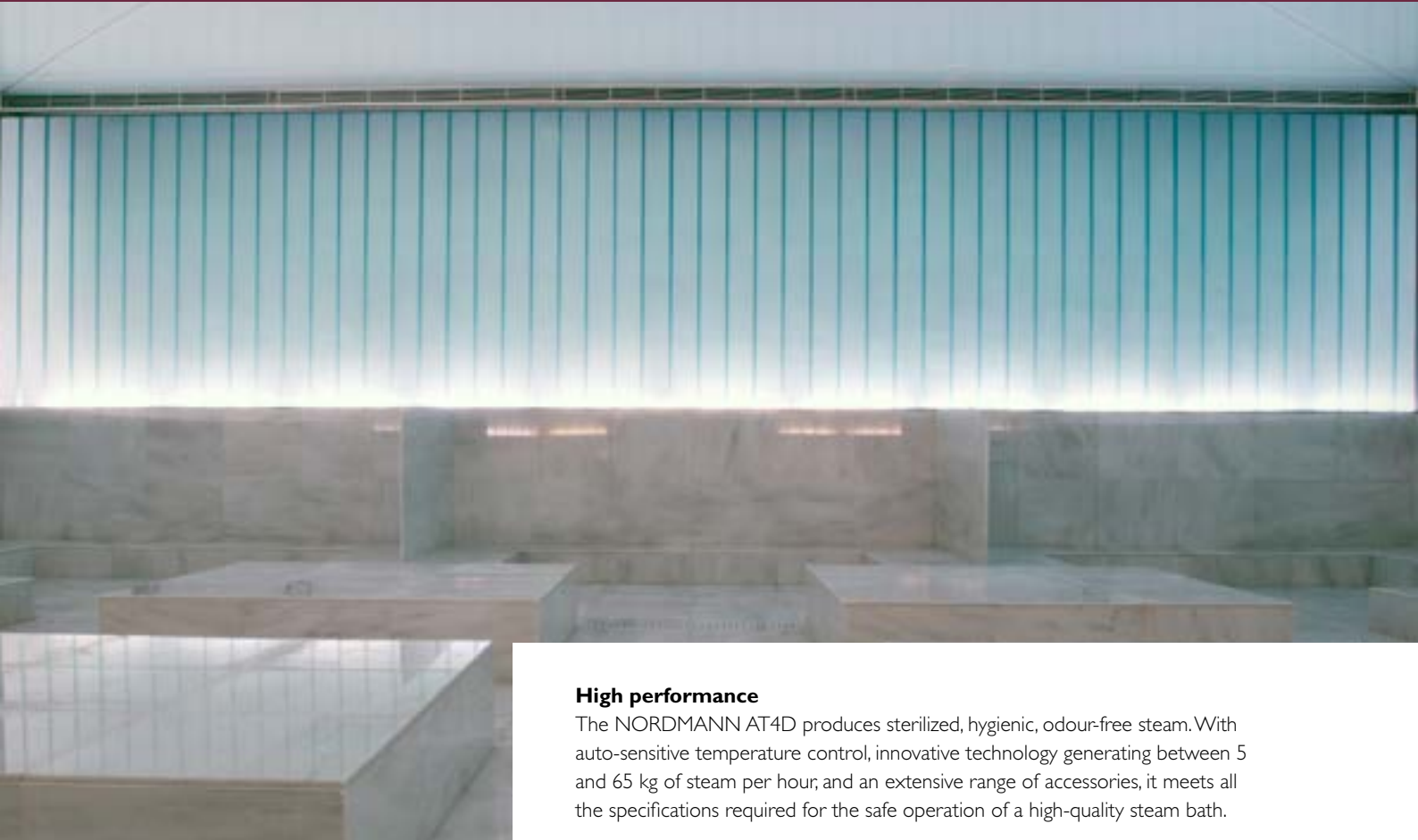


FOR STEAM BATHS IN
A CLASS OF THEIR OWN



NORDMANN AT4D

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



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

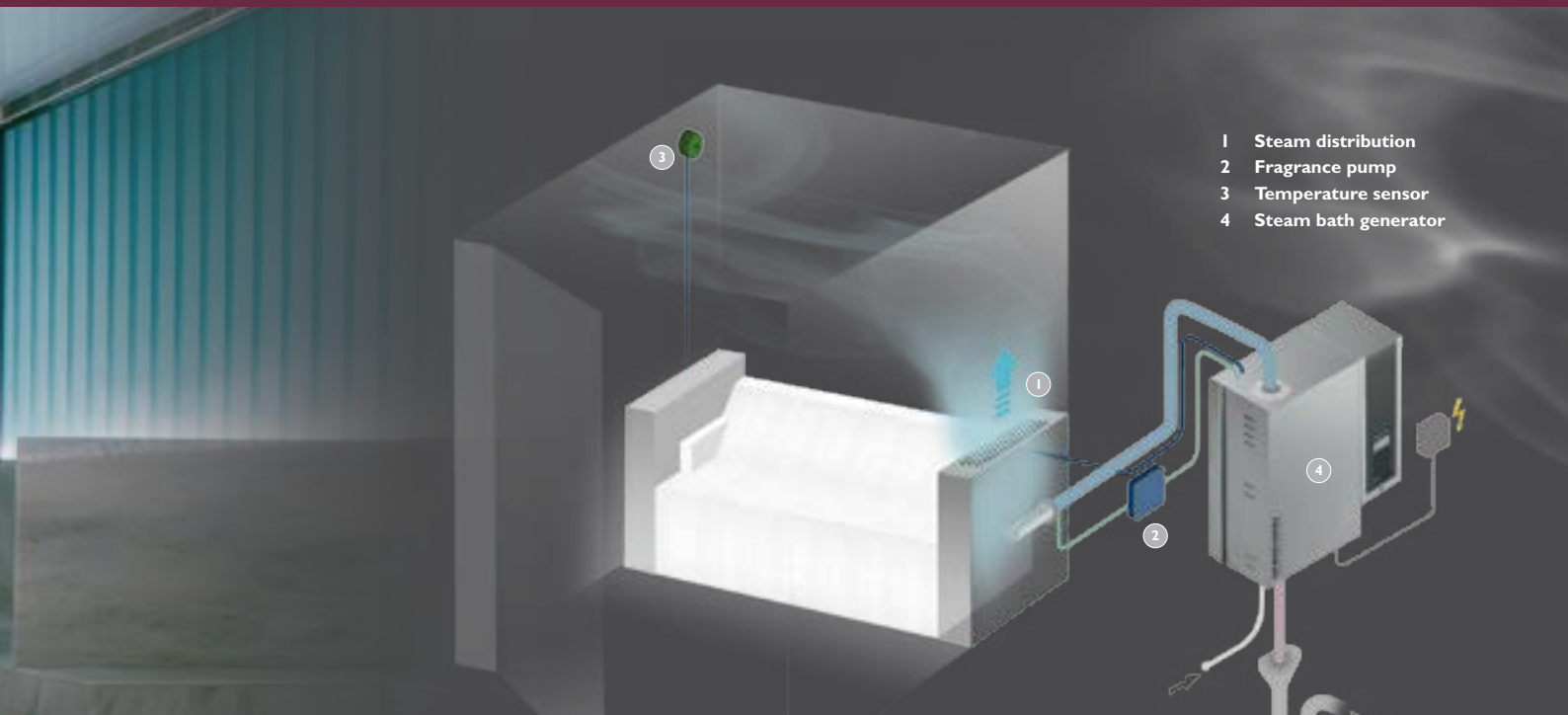
With a separate control unit, easy accessibility and external water and steam connections, the system could not be easier to install.

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.



AT4D Spa Display

The NORDMANN AT4D Spa Display is extremely user-friendly enabling you to control and program all the features and options. Lights, fragrance, temperature, timing of sessions is now at the end of a finger touch.

Two versions are available, surface- or flush-mounted, with only 19 mm total thickness and only 3mm over-surfacing when built-in. The frame circling comes in three different versions to match the end-users taste: steel-brushed, black or white glass. The unique magnetic circling frame enables a fast changing of color and style making it interchangeable at all time.

Two choices of screen background color layout (Black or white) enable to match the finishing of your choice.



Building technology

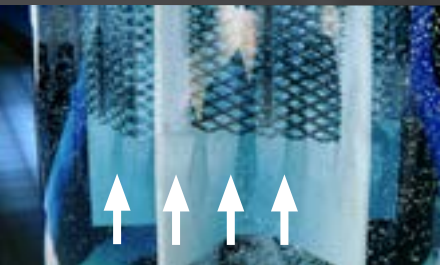
The AT4D can be integrated in existing building technology using the Modbusstandard. If preferred, the steam generator may be networked via @Link to BACnet/IP and LonWorks.

SC system

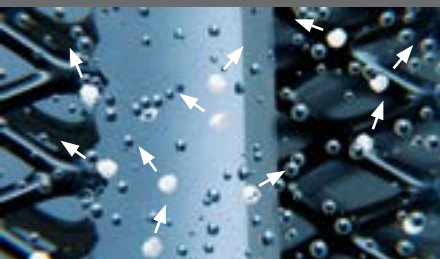
The NORDMANN AT4D steam cylinder

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.



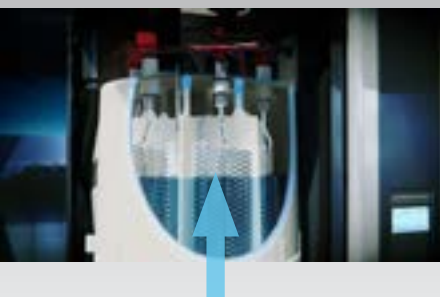
The SC system has an unusual, advanced feature that puts it in a class of its own:
Air is blown cyclically into the steam cylinder causing the water to swirl. This keeps the particles of limescale in the entire steam cylinder constantly in motion.



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.



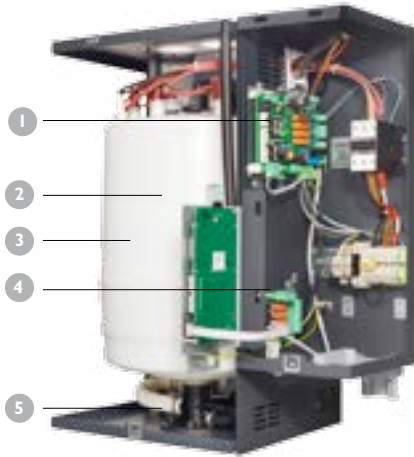
When the blowdown process is completed, the system is automatically refilled with fresh water and operation is uninterrupted.

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.

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.



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		•
Silence		•
Stage Light Trafo		•
CFI		•



- 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*		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*		230V / 3~ / 50..60 Hz						
Nominal current	Ampere	9.4	15.1	28.2	43.3	60.2		
Classification	Typ	532	832	1532	2362	3262		
Heating voltage*		400V / 2~ / 50..60 Hz						
Nominal current	Ampere	9.4	15.0					
Classification	Typ	524	824					
Heating voltage*		230V / 1~ / 50..60 Hz						
Nominal current	Ampere	16.3	26.1					
Classification	Typ	522	822					
Dimensions	Width mm	428	428	508	508	563	563	563
	Height mm	575	575	620	620	640	640	640
	Depth mm	255	255	345	345	354	354	354
Net weight	kg	12	12	19	19	28	28	30
Operating weight max.	kg	17	17	29	29	65	65	67
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