

# The RC/DC 3000 series of steam humidifiers

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ENGINEERING



Mini-humidifiers  
at the highest level:  
the RC/DC 3000 series  
from NORDMANN.

- From 0.5 to 3 kg/h steam output
- Room and duct humidification
- Stainless steel cabinet

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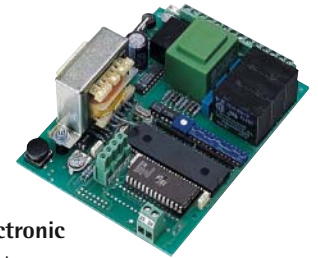
# The RC 3000 series: Ready-to-connect room humidifiers with built-in steam blower

Housing of **stainless steel**.

**Frontal access** to all components for easy maintenance.

**Hydrodynamic** filling cup.

Excellent protection against corrosion: The steam cylinders are fitted with **fully protected electrodes**.



The high-performance **electronic controls** unit, with its highly integrated microcontroller regulates the vaporisation process using algorithms of **Fuzzy Logic**.

**Silent** axial fan.  
**Multiple LED display**.  
**Remote indication relay** (collective message).



Humidifier with **fitted room humidistat and plug**.

**Proportional control** as an option.



The **removable drainage strainer** allows the cylinder to be cleaned manually, thereby increasing its service life.

Drainage valve body with **large outlet diameter** so as to facilitate drainage operations.

All necessary **water-connection and wall-mounting accessories** are supplied with the unit.

## Applications:

Specially suited for printing shops, museums, antique shops, computer rooms, laboratories, hospitals, doctors' practices, archives, food storage, production plants, shops, cold storage rooms, living rooms, etc.

# The DC 3000 series: Duct humidifiers with steam distribution nozzle

Steam distribution nozzle with **condensate return** in the delivery contents.



Housing of **stainless steel**.

**Frontal access** to all components for easy maintenance.

**Liftable hydrodynamic** filling cup.

Excellent protection against corrosion: The steam cylinders are fitted with **fully protected electrodes**.



The high-performance **electronic controls** unit, with its highly integrated microcontroller regulates the vaporisation process using algorithms of **Fuzzy Logic**.

Multiple **LED display**.  
**Remote indication relay** (collective message).

**Proportional control** as an option.



The **removable drainage strainer** allows the cylinder to be cleaned manually, thereby increasing its service life.

Drainage valve body with **large outlet diameter** so as to facilitate drainage operations.

All necessary **water-connection and wall-mounting accessories** are supplied with the unit.

**Applications:**  
Specially suited for connection to air-handling units or ducts in air conditioning systems for offices, computer rooms, laboratories, production plants, hospitals, food storage, cold storage rooms etc.

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# Technical specifications

## RC/DC 3000 series

		RC 3000		DC 3000	
Type mark:	Typ	222	322	222	322
Voltage*	Volt	230 V	230 V	230 V	230 V
Number of phases		1	1	1	1
Nominal current	A	6.5	9.6	6.5	9.6
<b>Steam output:</b>	<b>kg/h</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>
Capacity range	kg/h	0.5-2	0.75-3	0.5-2	0.75-3
Nominal power	kW	1.5	2.2	1.5	2.2
<b>Construction data:</b>					
Steam cylinder	qty	1	1	1	1
Type of cylinder		222	422	222	422
Dimensions	width mm	250	250	250	250
	height mm	590	650	590	650
	depth mm	195	195	195	195
Weight (empty)	kg	9.5	9.5	9	9
Operating weight	kg	12	13	11.5	12.5
<b>Fan (RC 3000 only):</b>					
Air flow	m <sup>3</sup> /h	57	57	-	-
Noise level at 1 meter	dB (A)	36	36	-	-
<b>Accessories</b>		<b>RC 3000</b>		<b>DC 3000</b>	
	Type	222	322	222	322
Humidity controller	qty	1	1	1	1
<b>Control adaptors:</b>					
Proportional adaptor	qty	1	1	1	1
Step adaptor	qty	1	1	1	1
<b>Steam distribution pipes or nozzle for duct use:</b>					
22-300 mm, 22-450 mm	qty	-	-	1	1
22-650 mm, 22-850 mm					
Steam distribution nozzle	qty	-	-	1	1
<b>Steam hose:</b>					
Ø 22/29 mm	qty x m	-	-	1	1
<b>Condensate hose:</b>					
Ø 6/10 mm	qty x m	-	-	1	1

\* Standard 200-240 V.

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# Operating conditions

**Water pressure:** 1-10 bar (0.1-1 MPa).

**Water conductivity:** (normal tap water)  
125-1250 micro Siemens/cm.

**Operating pressure:** 0 bar (pressureless).

**Air pressure in duct (DC 3000):**  
+/- 2500 Pa (+/- 250 mm water head)

**Ambient temperature and humidity:**

RC 3000: 1-40° C 70% RH

DC 3000: 1-50° C 80% RH

**Degree of protection:** IP 21



## Guarantee

Two years' warranty on design and materials (excluding parts subject to normal wear and tear). As part of its policy of continuous improvement, NORDMANN reserves the right to make technical modifications without prior notice.

All components undergo continuous checks by the manufacturer, thereby guaranteeing the high quality of these humidifiers. NORDMANN has obtained the ISO 9001:2000 certificate, and its production facilities are regularly inspected by the TÜV Product Service.