



## Steamhumidifiers type AT4

Fully automatic electrodes steam humidifier with multilingual 3" graphic display, integrated humidity controller and patented SC system. Available in a capacity range from 5 kg/h up to 130 kg/h. Useable for water with a hardness between 7° FH - 35° FH (4° DH - 20° DH)

### Application

- Office buildings
- Hospitals
- Pharmaceutical productions
- Printing processes
- Storage places
- Musea

### Material

- Casing made of hot-dip galvatised powder-coated steel.
- PVC steamcylinder with electrozincd electrodes

### Specifications

- Range from 5 to 45 kg/h and 65 kg/h with single cylinder and from 64 to 130 kg/h with double cylinder
- The high-tech technology includes a very powerful 16-bits processor which permits a precise regulation calculation and ensures an incomparable reaction time
- 3 programming access modes ensure quick and comprehensive information feedback
- The possibility of programming more than 25 parameters permits a custom configuration to answer to all your demands
- The digital displays allows amongst other things the monitoring of maintenance periods and the total hours of operation
- The SC-System : patented self-cleaning system ensures that the life time of the cylinders goes up with 50%
- All of the standard regulation signals can also be programmed
- Delivery of a **AT4** steam humidifier includes:
  1. - on/off and standard proportional regulation
  2. - Multilingual full-text menu display
  3. - steam cylinder with replaceable filter
  4. - 0,4 m flexible for water supply with 3/8" connection

- 5. - mounting kit for wall mounting

### Options

- Remote control
- Time-switch

### Accessoires

- Steam distributor pipe, type **SPB**, lengths from 190 up to 1500 mm:
  - **SPB 22-41** for units ranging from 4 up to 8 kg/h
  - **SPB 35-71** for units ranging from 15 up to 90 kg/h
- Steam hose **dia 22/29 mm** for units ranging from 4 up to 8 kg/h, **35/43 mm** for units ranging from 15 up to 130 kg/h
- Accessories for steam hose, type **BN, TN, MN, CN**
- Condensate drain hose **dia 8/12 mm**
- Fan casings, type **NO-SB**
- Room humidistats, type **EBERLE 6001** for ON/OFF regulation
- High limit duct humidistats, type **HMH** for ON/OFF regulation
- Room humidity sensors, type **HY 9000** for proportional regulation
- Duct humidity sensors, type **HPH 148** for proportional regulation
- Room humidity sensors, type **HRT** for electronic regulation 0-10 V
- Duct humidity sensors, type **HTDT-2500** for electronic regulation 0-10 V

### Spare parts

- Bobbin valve type **NO AT4-IN** 230 V
  1. - **NO AT4-IN** 5/8
  2. - **NO AT4-IN** 15/23
  3. - **NO AT4-IN** 32
  4. - **NO AT4-IN** 45/65
- Outlet bobbin type **NO-DVC** including bobbin 230V and valve body
- Outlet bobbin type **NO-DVO** including bobbin 230V and valve
- Valve body type **NO-DVB SC**
- Cylinder plug type **NO-PLUG** for electrical connection of the electrodes

### Text for tender

- The humidity control shall be assured by steam humidifiers with electrodes and interchangeable steam cylinders with 2 programmable relays for several different messages. The regulation of the units shall permit 3 program control mode and a precise adaptability of the steam volume by direct regulation on the unit. The casing shall be made of stainless steel to eliminate the risk of corrosion. To assure an easy and fast maintenance you must have frontal access to all components.

### Order example

#### AT4 522 + SPB

Explanation

**AT4** = Type humidifier

**5** = Steam capacity kg/h, (see table)

**2** = Number of electrodes (single phase), **3** = 3 phase, **6** = 3 phase two electrodes per phase

**2** = Heating voltage 230 V AC, **4** = 400 V AC

Accessoires

**SPB** = Steam distributor

Technical data																		
Description	Type	522	532	534	822	832	834	1562	1534	2362	2364	3262	3264	4564	6464	6564	9064	13064
Steam capacity	kg/h	5	5	5	8	8	8	15	15	23	23	32	32	45	64	65	90	130
Steam capacity range	kg/h	0,5-5	0,5-5	0,5-5	0,8-8	0,8-8	0,8-8	1,5-15	1,5-15	2,3-23	2,3-23	3,2-32	3,2-32	4,5-45	3,2-64	6,5-65	4,5-90	6,5-130
Control voltage	V/Hz	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
Nominal power	kW	3,75	3,75	3,75	6,1	6,1	6,1	11,4	11,4	17,5	17,5	24,3	24,3	34,2	2x24,3	49,5	2x34,2	2x49,5
Phases	number	1	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3
Heating voltage	V	230	230	400	230	230	400	230	400	230	400	230	400	400	400	400	400	400
Heating current	A	16,5	9,38	5,4	26,5	15,3	8,8	28,6	16,5	43	25	61	35	49	2x35	71,3	2x49	2x71,3
Unit data																		
Steam cylinder	qty	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2
Dimensions	width mm	388	388	388	388	388	388	468	468	468	468	563	563	563	966	563	966	966
	height mm	575	575	575	575	575	575	620	620	620	620	640	640	640	640	640	640	640
	depth mm	255	255	255	255	255	255	345	345	345	345	350	350	350	350	350	350	350
Weight (empty)	kg	12	12	12	12	12	12	19	19	19	19	28	28	29	62	30	64	64
Weight operational (max.)	kg	17	17	17	17	17	17	29	29	29	29	65	65	65	116	67	116	116
Steam distribution pipes																		
22-300 mm	qty	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
22-450 mm	qty	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
22-650 mm	qty	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
22-850 mm	qty	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
35-300 mm	qty	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
35-450 mm	qty	-	-	-	-	-	-	1	1	1	1	-	-	2	-	2	4	4
35-600 mm	qty	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	4	4
35-900 mm	qty	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	4	4
35-1200 mm	qty	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	4	4
35-1500 mm	qty	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	4	4
Steam blower																		
4-8 kg/h	qty	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
15-23 kg/h	qty	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-
Hoses																		
Steam hose Ø 22/29 mm	qty x m	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
Steam hose Ø 35/43 mm	qty x m	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	4	4
Condensate hose Ø 8/12 mm	qty x m	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	4	4