



Condensation drying  
for industry and trade

**AERIAL®**

# Development, production and sales: All from a single source – made in Germany

Formed in 1990 from an engineering consultancy, AERIAL GmbH is now one of the leading manufacturers of drying technology for industrial, commercial and household use.

All of AERIAL 's equipment has proven itself throughout Europe, including under extreme conditions. Thanks to our qualified specialist personnel, you will obtain comprehensive advice and technical support at all times. We guarantee our specifications, which are tested in our own laboratory.

For the past twenty years, the AERIAL brand has represented the utmost in German quality, top-class service, reliable technology and punctual delivery.

Our equipment is used in the following areas among others:

- **Drying buildings and water damage**
  - ▶ Drying out new buildings
  - ▶ Restoration water damages
  - ▶ Preventing mould
- **Water management plants**
  - ▶ Reducing maintenance and renovation costs
- **Swimming pools**
  - ▶ Creating a pleasant climate in rooms with open areas of water
  - ▶ Preventing mould from forming in shower and sauna anterooms
- **Cellars and living areas**
  - ▶ Makes rooms usable and liveable again
  - ▶ Protects holiday homes and apartments against moisture damage
- **Warehouses and archives**
  - ▶ Preserves the value of exhibition and warehouse stock
  - ▶ Protects files and films from moisture damage
- **Vintage vehicles**
  - ▶ Preserves value by protecting against rust
  - ▶ Preserve functioning
  - ▶ Avoiding steep restoration costs



BlueDry®

Environmentally friendly, high-performance air dehumidifiers – equipped with the new BlueDry technology.

- ▶ AERIAL condensation dehumidifiers are easy to use and energy-efficient.
- ▶ There are countless other areas in which they can be used. Get in touch. We will gladly advise you!

## Mobile, small and compact



- Energy-saving
- Low-noise
- Simple to operate
- Fully automatic
- Built-in hygostat
- Displays room humidity by LEDs
- Hose connector

### The AERIAL household dehumidifier

The DH18 is designed for dehumidifying small to medium-sized living areas, and prevents moisture damage such as rust, mould and condensation. The air dehumidifier works on the basis of the energy-saving condensation principle with heat recycling. This method removes excess moisture in the room, gently and efficiently, and utilises the heat generated to warm the room up. The condensate is collected in a water tank, or can be fed away directly through a pipe.



I Technical specifications I		
Type		DH 18
For heated rooms up to approx.* (Temp. > +15 °C)	m²	150
Dehumidifying output at **		
30 °C/80% RH	l/24 h	18.0
27 °C/60% RH	l/24 h	10.5
20 °C/60% RH	l/24 h	7.2
Max. power consumption	watt	390
Air circulation rate	m³/h	160
Working temperature range	°C	+15 °C to +32 °C
Noise level	dB(A)	46
Power supply	V/Hz	230 V / 50 Hz
Dimensions (height/width/depth)	mm	585 x 300 x 285
Weight	kg	16
Arrangement	On the ground, 4 casters	
Condensate drainage	Water tank (4 l) or tube connector	

\*Guideline figures/based on experience · \*\*Based on DIN EN 810 · Subject to technical changes



# The space-saving, super-quiet solution for small spaces

- Compact space-saver
- Stainless-steel casing
- High-quality appearance
- Low-noise
- Build-in hygostat
- Operating hours counter

## Dependable and efficient

The AD 110 works on the basis of the condensation principle and is designed for wall-mounting to save space. The condensate produced is fed directly to an outlet.

It dehumidifies small storage rooms, archives, changing rooms and sauna anterooms reliably, fully automatically and quietly. The entire casing is made from stainless steel.

## Use in water management plants

The AD 110 has proven its worth in numerous plants over recent years. Especially in small shafts, upper reservoir fore-chambers, pump and pressure boosting stations, slide valve chambers and so on, the AD 110 works reliably and efficiently.



# Top technology to create perfect conditions



The AD 110 is not just used in the industrial sector – it is also installed in fitness and wellness facilities, changing rooms and sauna anterooms to prevent mould forming due to the typically warm damp air.

Thanks to its high-quality design and finish it fits perfectly into most areas, and is simply mounted on the wall, operating very quietly.

Technical specifications		
Type		AD 110
For heated/unheated rooms of approx. size*	m³	100 / 40
Dehumidifying performance/power consumption at**		
30 °C/80% RH	l/24 h	8.5 / 198 watt
20 °C/60% RH	l/24 h	2.7 / 160 watt
10 °C/70% RH	l/24 h	1.7 / 142 watt
Max. power consumption	watt	198
Air circulation rate	m³/h	250
Working temperature range	°C	+3 °C to +32 °C
Noise level	dB(A)	46
Power supply	V/Hz	230 V / 50 Hz
Dimensions (height/width/depth)	mm	498 x 330 x 241
Weight	kg	24
Arrangement	Wall-mounted	
Condensate drainage	12 mm drainage tube	

\*Guideline figures/based on experience, dependent on water and room temperature · \*\*Based on DIN EN 810 · Subject to technical changes · Made in Germany

# Wall-mounted units with high air circulation

- Energy-saving heat recycling
- Optimum condensate drainage on the heat exchangers with BlueDry technology
- Hot-gas defrosting, controlled by Dry-Logic
- Build-in hygrostat



- Environmentally friendly: energy class 1
- User-friendly
- Gentle on laundry
- Low-maintenance
- High air flow that spreads up to 10 metres into the room



## For long corridors

The dry air of our new AD 2 series spreads up to 10 metres, making it particularly suited to long corridors or rooms, as well as laundry drying.

These condensation dryers are mounted on the wall, and thanks to their new design they require very little space.

Both units are easily operated and are largely maintenance-free. Only the intake filter needs cleaning from time to time. The condensate produced is fed directly to an outlet.





Environmentally friendly, high-performance air dehumidifiers – equipped with the new BlueDry technology.

## The ideal washing day – every day of the year

Indoor air laundry dryers are an energy-saving, gentle alternative to conventional laundry dryers. All of the energy used to operate an indoor air laundry dryer remains in the room as heat. The units are therefore environmentally friendly, with energy-savings of up to 50% compared with conventional extraction or tumble dryers.

Our new AD 2 series is ideal for laundry rooms in single family homes and shared apartment buildings. No matter the weather, laundry dries as if it were out in the open on a perfectly dry, breezy day. Furthermore, the entire room is kept dry, protecting the building structure from moisture damage.

Technical specifications			
Type		AD 230	AD 250
For rooms of approx. size*	m³	500	650
Dehumidifying performance/power consumption at**			
30 °C/80% RH	l/24 h	30.0 / 660 watt	51.0 / 1,000 watt
27 °C/60% RH	l/24 h	20.0 / 575 watt	35.0 / 900 watt
20 °C/60% RH	l/24 h	16.8 / 515 watt	23.5 / 820 watt
Max. power consumption	watt	660	1,000
Air circulation rate	m³/h	870	1,000
Working temperature range	°C	+3 °C to +32 °C	+3 °C to +32 °C
Noise level	dB(A)	75	75
Power supply	V/Hz	230 V / 50 Hz	230 V / 50 Hz
Dimensions (height/width/depth)	mm	795 x 650 x 260	795 x 650 x 260
Weight	kg	40	42
Arrangement		Space-saving wall-mounting (fittings included as standard)	
Condensate drainage		Condensate outlet pipe (15 x 2 mm, 3 metres) fitted to unit as standard.	
Rated laundry capacity***	kg	7.5	15
Laundry drying performance****	kg/hour	1.45	2.97
Laundry drying time		5 hours 12 min.	5 hours 6 min.

\*Guideline figures/based on experience · \*\*Based on DIN EN 810 · \*\*\*Dry laundry · Subject to technical changes · Made in Germany



Quiet, light and powerful

- Energy-saving rotary compressor
- Large water tank with automatic shut-off when full
- Built-in hygostat
- Operating hours counter
- Air filter
- Optional power counter



Easy to use and top performance



AD 420-VA (stainless steel casing)



AERIAL condensation dryers have been making a name for themselves for years in water management plants, in industry, and in the tough world of building sites. We can offer a suitable unit for a variety of requirements (room size/type of use).

The new AD 420 and AD 430

Modern, fresh look combined with easy handling and high performance. The ideal tool for many drying tasks:

- High performance, even at low temperatures
- Lightweight
- Simple to operate
- Super-quiet operation



Stackable



Water tank included as standard



Pump-out kit available as accessory

► These units can be fitted with AERIAL pump-out kits at any time. In just a few steps the pump-out kit is installed – and it can be removed just as quickly, too.

At only 12 and 19 kg, the condensation dryers of the AD 4 series are the lightest professional dryers in their performance class.

With their practical carrying handle the units can easily be carried by just one person and still remain stackable.

Small and light, but with high performance – developed and produced by AERIAL in Norderstedt near Hamburg.



Environmentally friendly, high-performance air dehumidifiers – equipped with the new BlueDry technology.

Technical specifications				
Type		AD 420	AD 420-VA	AD 430
For heated/unheated rooms of approx. size*	m³	300 / 200		400 / 300
Dehumidifying performance/power consumption at**				
30 °C/80% RH	l/24 h	19.0 / 420 watt		30.5 / 540 watt
20 °C/60% RH	l/24 h	8.0 / 340 watt		12.0 / 400 watt
10 °C/70% RH	l/24 h	6.0 / 280 watt		8.0 / 320 watt
Max. power consumption	watt	420		540
Air circulation rate	m³/h	315		600
Working temperature range	°C	+3 °C to +32 °C		+3 °C to +32 °C
Noise level	dB(A)	230 V / 50 Hz		230 V / 50 Hz
Power supply	V/Hz	520 x 332 x 360		580 x 340 x 380
Dimensions (height/width/depth)	mm	46	45	51
Weight	kg	12	19	19
Arrangement		On the ground, optional wall mounting (wall bracket available as accessory)		
Condensate drainage		Water tank (8.3 l) with integrated complete switch off (when water bucket is full) or tube connector		
Equipment levels (optional)		Pump-out kit		

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# Proven condensation dryers with the latest technology

- High air circulation
- Optimal dehumidifying performance
- Dependable and durable
- Built-in hygostat
- Hot-gas defrosting



# Optimum dehumidifying results

- Sturdy surrounding transport frame
- Two large, fully rubberised wheels
- Numerous ways to handle





Environmentally friendly, high-performance air dehumidifiers – equipped with the new BlueDry technology.

### More power

Using the latest rotary compressors and special BlueDry components we have once again improved the performance and energy efficiency of our popular AD 5 and AD 6 series.

The updated casing design still utilises strong sheet metal with a high-quality powdered coating. The dehumidifiers are of course easy to service and take apart for cleaning.

Pump-out kits are now available for the latest AD 5 and AD 6 units. Depending on the application these can be added and removed without tools, meaning the dryers are now even more flexible.

### Easy handling

The AD 650 and AD 680 models incorporate a sturdy surrounding transport frame and large wheels. This offers a variety of possibilities for pushing, pulling and carrying.



Simple to operate



Water tank included as standard



Pump-out kit available as accessory

### | Technical specifications |

Type		AD 550	AD 650	AD 580	AD 680
For heated/unheated rooms of approx. size*	m³	600 / 500		1,100 / 700	
Dehumidifying performance/power consumption at**					
30 °C/80% RH	l/24 h	54.0 / 900 watt		78.0 / 1,400 watt	
20 °C/60% RH	l/24 h	23.5 / 660 watt		35.0 / 1,010 watt	
10 °C/70% RH	l/24 h	14.0 / 550 watt		20.0 / 800 watt	
Max. power consumption	watt	900		1,400	
Air circulation rate	m³/h	660		820	
Working temperature range	°C	+3 °C to +32 °C		+3 °C to +32 °C	
Noise level	dB(A)	53		55	
Power supply	V/Hz	230 V / 50 Hz		230 V / 50 Hz	
Dimensions (height/width/depth)	mm	710 x 400 x 500	795 x 540 x 510	815 x 480 x 500	910 x 650 x 550
Weight	kg	38	42	55	58
Mobility		2 pivoting wheels, 2 fixed wheels and push-handle	Stable transport frame, 2 fully rubberised wheels	2 pivoting wheels, 2 fixed wheels and push-handle	Stable transport frame, 2 fully rubberised wheels
Condensate drainage		Water tank (12 l) on level (automatic switch off when bucket full) or tube connector			
Equipment levels (optional)		Pump-out kit, wall console	Pump-out kit		

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Robust equipment in a modern design

Dehumidifying technology that means business



- Innovative
- Operating elements, including hygrostat, positioned clearly on the user side
- Economical and powerful
- Energy-saving rotary compressors



AD 750  
with integrated water tank



AD 780  
with standard built-in condensate pump

- Resistant to impacts and breakages
- All electrical components protectively housed in a central control box
- Big wheels for maximum mobility combined with optimum stability
- Easy to service

Quality builds trust

The AD 7 series are the result of many years of experience and development, and are among the most advanced air dehumidifiers currently available on the market.

The rotation-moulded PE casing is extremely resistant to impacts and breakages. The material is recyclable and UV stabilisation protects against brittle surfaces. It is also flame-retardant and physically indestructible.

These units are especially easy to service and clean after use and can be transported in any position – upright or laying down.

The perfect products: powerful dehumidifying performance based on the condensation principle – developed and manufactured by AERIAL in Norderstedt, Germany.



New casing technology

Visible quality with recyclable PE, UV-stabilised. Extremely strong and resilient.

► Modular design

All of the major add-on parts are easy to disassemble, which enables very quick access for servicing and cleaning.



Environmentally friendly, high-performance air dehumidifiers – equipped with the new BlueDry technology.



Technical specifications			
Type		AD 750	AD 780
For heated/unheated rooms of approx. size*	m³	600 / 500	1,100 / 700
Dehumidifying performance/power consumption at**			
30 °C/80% RH	l/24 h	55.0 / 900 Watt	78.0 / 1,400 Watt
20 °C/60% RH	l/24 h	24.5 / 660 Watt	35.0 / 1,010 Watt
10 °C/70% RH	l/24 h	14.0 / 560 Watt	20.0 / 800 Watt
Max. power consumption	watt	900	1,400
Air circulation rate	m³/h	710	820
Working temperature range	°C	+3 °C to +32 °C	+3 °C to +32 °C
Noise level	dB(A)	53	55
Power supply	V/Hz	230 V / 50 Hz	230 V / 50 Hz
Dimensions (height/width/depth)	mm	880 x 520 x 495	1,000 x 640 x 580
Weight	kg	42	57
Condensate drainage		Water tank (12 l) on level (automatic switch off when bucket full) or tube connector	Built-in condensate pump
Arrangement		On the ground, two large casters, various handles	
Equipment levels (optional)		Built-in condensate pump	—

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Maximum mobile performance



- Two axial fans
- Energy-saving rotary compressor
- Efficient condensation with BlueDry technology
- Hot-gas defrosting
- Built-in condensate pump as standard



Reliable drying of the highest standard

With dehumidifying performance of over 100 litres a day, the new AD 810 is especially suited to larger rooms and demanding drying tasks.

In industry and production, waterworks and civil defence buildings, raw material and food storage facilities – this condensation dryer guarantees reliable dehumidification.

Two axial fans ensure optimum air circulation, while the unit’s rotary compressor and BlueDry components are highly energy-efficient. With the automatic hot-gas defrosting, the AD 810 can also be operated at low room temperatures. A built-in condensate pump comes as standard on the AD 810, so draining large amounts of water is quick and easy.



Create the perfect atmosphere

The new AERIAL AP dehumidifiers can be installed at swimming pools of up to 50 square metres surface area, depending on the room and water temperature. They can also be used very effectively in fitness and wellness areas, and in changing rooms and sauna areas, regardless of the ambient temperature.

No matter where you place it, the new AP series offers high air circulation and therefore outstanding air movement, which means the whole room is dehumidified to the same extent, thus preventing moisture damage such as mould.

- Especially high air circulation for optimum dehumidifying in the whole room
- Fresh air can be mixed in
- Condensate outlet can be placed on left or right side of the unit
- Built-in hygostat

Technical specifications		
Type		AD 810
For heated/unheated rooms of approx. size*	m²	1,500 / 1,100
Dehumidifying performance/power consumption at**		
30 °C/80% RH	l/24 h	105.0 / 1,500 Watt
20 °C/60% RH	l/24 h	50.0 / 1,120 Watt
10 °C/70% RH	l/24 h	26.0 / 900 Watt
Max. power consumption	watt	1,500
Air circulation rate	m³/h	1,300
Working temperature range	°C	+3 °C to +32 °C
Noise level	dB(A)	60
Power supply	V/Hz	230 V / 50 Hz
Dimensions (height/width/depth)	mm	990 x 635 x 530
Weight	kg	70
Arrangement	Floor-standing. Mobile with 4 lockable pivoting wheels (D = 100), and 2 fold-away handles.	
Condensate drainage	Built in condensate-water pump, max. pump capacity: 4 m height difference.	

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Technical specifications			
Type		AP 50	AP 70
For water surface areas of up to*	m²	30	50
Dehumidifying performance/power consumption at**			
30 °C/80% RH	l/24 h	47.0 / 770 Watt	66.2 / 1,050 Watt
27 °C/60% RH	l/24 h	29.0 / 715 Watt	46.0 / 990 Watt
20 °C/60% RH	l/24 h	27.0 / 670 Watt	34.6 / 920 Watt
Max. power consumption	watt	770	1,050
Air circulation rate	m³/h	875	1,000
Working temperature range	°C	+10 °C to +32 °C	+10 °C to +32 °C
Noise level	dB(A)	50	52
Power supply	V/Hz	230 V / 50 Hz	230 V / 50 Hz
Dimensions (height/width/depth)	mm	740 x 824 x 261	740 x 1,024 x 261
Weight	kg	54	64
Arrangement	Wall-mounted (near floor or raised)		
Condensate drainage	Tube connector D = 15 mm (on either side)		

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- Condensation dehumidifiers
- Adsorption dehumidifiers
- Swimming pool dehumidifiers
- Dehumidifiers for domestic use
- Drying equipment
- High pressure blowers
- Air movers



Environmentally friendly,  
high-performance air dehumidifiers –  
equipped with the  
new BlueDry technology.

# The dehumidifying specialists

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We dry the air

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