

HUMIDITY

SOLUTION

DANVEX[®]

CATALOGUE



Dehumidifiers

&

Humidifiers

2023



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In this Catalog of 2023 we provide reliable information about our products so that users can make an informed choice.

We have developed and produce the largest list of dehumidifiers and humidifiers.

Nowadays DanVex is one of the European leaders in this sphere.

In fact you are surrounded by DanVex everywhere.

Climate change and global warming have forced the world's leading countries and companies to start working on human impact on nature reduction. For this purpose in 2014 the European Union adopted and is implementing a program on the impact on nature of greenhouse gases containing fluorine reduction. In order to comply with these EU regulations we have done a lot of work for improving our equipment over the past year. Therefore in 2021 three years earlier than the deadline required by law DanVex switched to using refrigerants that are safer for nature.

Now you are also involved in saving our planet when you use DanVex dehumidifiers.

Thank you for choosing us!!!

DanVex & Climate & Refrigerants

DanVex



F-gas (fluorinated gas) is the main tool by which moisture is extracted from the air in condensation dehumidifiers.

It is believed that the air temperature on the planet increases due to the greenhouse effect enhancement. Carbon dioxide CO₂ is one of the gases that creates the greenhouse effect. It is proved that the increase in the concentration of CO₂ in the atmosphere is greatly influenced by human activity. In 1997 the Kyoto Protocol introduced the concept of «Global warming potential» (abbreviated as GWP). This is a coefficient that determines the degree of 1 kg gas impact of gas on global warming compared to 1 kg of carbon dioxide in 100 years. GWP CO₂ is equal to 1.

The terms of F-gases use in various equipment are specified in the EU Regulation

The Regulation refers dehumidifiers to air conditioning equipment and systems. In 2022 and later mobile air conditioners/ dehumidifiers (indoor household equipment) are allowed using F-gases with a GWP of less than 150. Professional air conditioners/ dehumidifiers/ heat pumps having F-gas in an amount of less than 3 kg per unit of equipment with a GWP of more than 750 are allowed until January 1 2025.

After this date such equipment will be prohibited from putting into circulation in the EU



DanVex & Climate & Refrigerants



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Why DanVex use R32 and R290 refrigerants?

Currently F-gases R410C, R407A, R134A refrigerants are the most common for use in dehumidifiers. Their GWP data is given in the table. These gases are not prohibited for use in professional dehumidifiers until 2025 but they have a very high GWP. That is why DanVex started producing equipment with R32 refrigerant in 2021. This refrigerant has a significantly lower GWP equal to 675 and in addition requires a smaller amount to be refilled into the dehumidifier. DanVex mobile dehumidifiers now use F-gas R290. It has GWP equal to 3.

Why it is not possible to use R290 refrigerant in all dehumidifiers if its GWP is very small?

Customer safety is a top priority for DanVex. During the manufacture of equipment safety and environmental requirements must be observed. Currently the European standard EN378 is valid in Europe.

The refrigerant R290 is natural gas propane. It does not contain fluorine but it is very explosive and has a fire safety class A3. In practice this means that the equipment cannot contain a large amount of R290 since there is a risk of exceeding the gas concentration in the premises in case of a refrigerant leak from the system. It is not allowed to use 'powerful' dehumidifiers filled with R290 in small rooms.

We cannot guarantee that an ordinary user will comply with this rule.

Therefore professional dehumidifiers cannot be filled with this refrigerant and DanVex does not produce dehumidifiers with R290 refrigerant in models with performance of more than 40 liters per day.

Refrigerant	GWP (AR4)
R410A	2 088
R407C	2 107
R134A	1 430
R32	675
R290	3



What is the air humidity and why do you need to control it?



Relative and absolute air humidity

Ambient air is a gas mixture that always contains a certain amount of water in the form of water vapor. The maximum amount of water vapor in the air depends on its temperature and pressure.

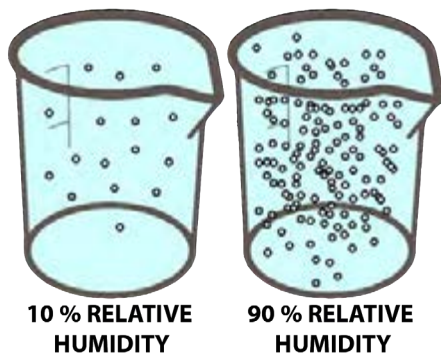
Absolute humidity is a value showing the mass of water vapor in grams containing in 1 m³ of air.

Relative humidity reflects the current percentage of water relative to its maximum possible content at a certain temperature and pressure.

When the maximum possible amount of water is absorbed by air, air becomes “saturated” and its relative humidity is 100%. The ability of air to absorb water vapor increases with increasing temperature. Therefore, the maximum possible (absolute) water content in air increases with increasing temperature.

Temp °C	Water content (g/m ³)			
	40%	60%	80%	100%
+5	1,3	1,9	2,6	3,3
+10	3,8	5,6	7,5	9,4
+15	5,1	7,7	10,2	12,8
+20	6,9	10,4	13,2	17,3
+25	9,2	13,8	18,4	23
+30	12,9	18,2	24,3	30,3

If the air is heated, then the maximum possible amount of water vapor that can be in the air will increase. At In this case, the relative humidity will decrease, since the water vapor content will remain unchanged. (This is used when drying materials by heating. Water leaves the material into heated air and air thrown out onto the street).



While the air is cooled, the maximum possible amount of water vapor in the air is gradually reduced. If the amount of water vapor remains unchanged, the relative humidity rises accordingly.

When air is continuously cooled, the ability to absorb moisture by the air will gradually decrease until the air becomes saturated (100% humidity), which is equal to the maximum possible water vapor content in it. This condition is a dew point temperature

DanVex Dehumidifier Principles

DanVex

DanVex uses two different dehumidifier technologies in its dehumidifiers: condensation and desiccant.

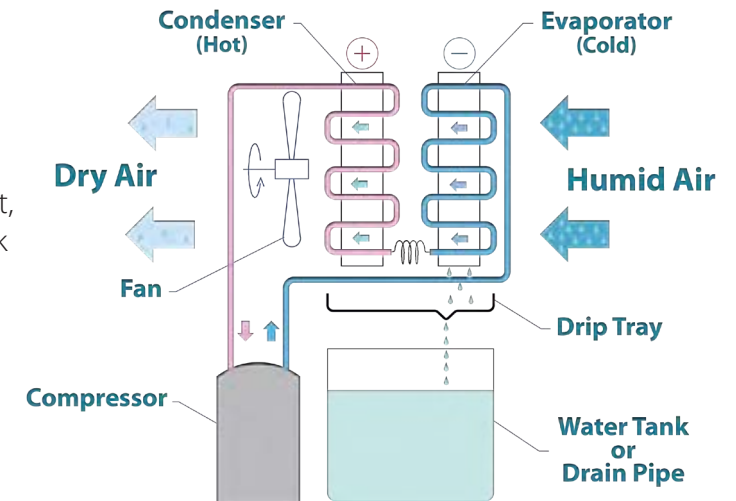


Condensation technologie

When the air is cooled below the dew point temperature, the water vapor content will become higher than the maximum possible water vapor content. Excess water vapor will begin to be forced out of the air. It condenses, turning into water, and thus is extracted from the air.

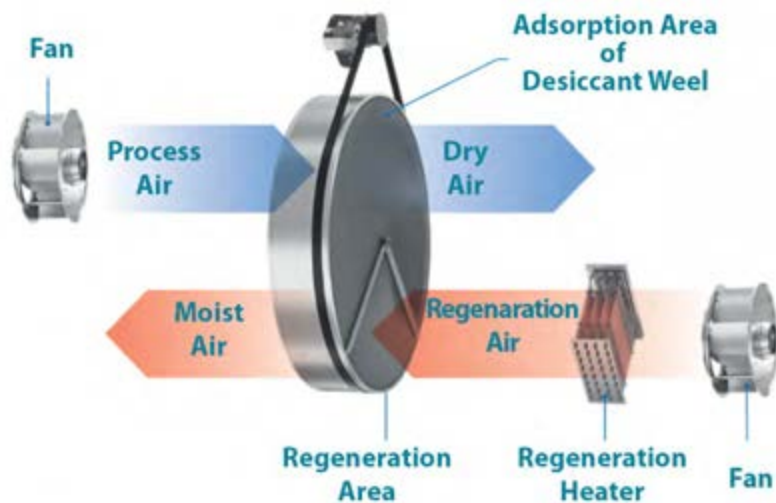
In the dehumidifier, the air passes from the room through the cooling unit, reaching the dew point, the water condenses and is being removed, the air heats up to the room temperature, returning back to the room. This process takes place thanks to the freon gas compressor and accessories.

All the difficulties lie in the accurate calculation, the correct selection of components, and smart process control.



Desiccant technologie

The principle of operation is to use a moisture-absorbing rotor with high adsorbing properties. Air supply to the rotor is carried out in such a way that the operating (dehumidified) air passes through 75% of the rotor sector and through 25% of the sector in the counterflow to the working one - the regeneration air preheated to a predetermined temperature. This air absorbs moisture from the rotor sorbent and withdraw it outside the room under dehumidifying.



DanVex dehumidifiers is a globally recognized standard in equipment for air dehumidification being a guarantee of the performance data and reliability declared

Mobile Dehumidifiers DEH-p

Mobility and functionality



DEH-400p/1000p

Room volume, m ³	Max. qty., kg / room
10	0,076
15	0,114
20	0,152
25	0,19
30	0,228
35	0,266
40	0,304
45	0,342

Mobile dehumidifiers are compact devices for removing moisture from the air.

Low-end models of dehumidifiers are used in residential and bathrooms high-end models are used in country houses to maintain humidity in rooms and basements.

Presence of an integral tank for condensate ensures autonomous operation. It is also possible to connect drainage hoses to the dehumidifier.

Light weight allows you to move them between rooms in an apartment or a residential house

When choosing a model for effective dehumidification and compliance with fire safety rules it is necessary to strictly observe the specified minimum dimensions of the premises in which the dehumidifier will be used. These data are shown in the Table on the left.

Features of DEH-p mobile dehumidifiers:

- integrated condensate tank resulting to placement in any zone of the room convenient for you;
- informative and simple control panel;
- automatic operation mode according to the set parameters of air humidity;
- heat exchangers with protective hydrophilic coating;
- compact housing made of high-quality plastic.

MODEL	DEH-400p	DEH-1000p
Maximum capacity, L / Day (30C, 80%)	40	70
Maximum capacity, L / Day (20C, 60%)	14,7	41,4
Supply airflow, m3/h	420	450
Operating range, °C	+5 ...+32	+5 ...+32
Capacity of the internal condensate tank	7,2	7,2
Power, W	700	1350
Current, A	3,1	5,9
Voltage	230V/50Hz	230V/50Hz
Noise level, dB	< 42	< 42
Refrigerant	R410A*240g	R410A*540g
Size in wooden packaging, mm (depth * width * height)	335*515*670	335*515*670
Size without packaging, mm (depth * width * height)	230*440*630	230*440*630
Weight with wooden packaging, kg	22	26
Net weight, kg	20,5	24,5

Pool & Wall Dehumidifiers DEH-WP / DEH-P

DanVex

Performance and elegance



DEH-1700p

The dehumidifiers of the P and WP series have been developed for use in premises with high humidity where a pleasant appearance is required.

The most well-known application is swimming pools therefore generically this series is called «for swimming pools». However DEH-P and DEH-WP dehumidifiers are used wherever it is necessary to maintain a preset humidity level taking into account aesthetic appearance. These are residential houses, laundries, museums, fitness industry, libraries, churches etc.

The P series (pool, plastic) are dehumidifiers in a plastic case that is installed on the floor.

WP series (wall) is a beautiful metal case that can be installed on the floor or hung on the wall indoors to save space and design.

All models can drain condensate into the drainage or back into the pool. The DEH-1700p model has an integrated tank with an electric pump for condensate automatic drain.



DEH-600WP/1000WP



Remote Control (for WP)

Pool & Wall Dehumidifiers DEH-WP / DEH-P



DanVex

Specification Sheet

MODEL	DEH-1200p	DEH-1700p	DEH-600wp	DEH-1000wp	DEH-1700wp	DEH-2000wp
Maximum capacity, L / Day (30C, 80%)	108	168	60	100	170	200
Maximum capacity, L / Day (20C, 60%)	45,6	62	21,6	32,9	54,1	65,5
Supply airflow, m3/h	850	850	300	500	850	1100
Operating range, °C	+5 ...+32	+5 ...+32	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38
Remote control	-	-	+	+	+	+
Power, W	1300	1628	760	1250	1610	2100
Current, A	5,8	7,4	3,4	5,5	6,8	9,3
Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Noise level, dB	48	48	< 46	< 48	< 46	< 48
Refrigerant	R410A*850g	R410A*1000g	R32*280g	R32*500g	R32*780g	R32*900g
Size in wooden packaging, mm (depth * width * height)	370*565*1930	470*565*1930	350*840*800	350*990*800	380*1470*800	380*1470*800
Size without packaging, mm (depth * width * height)	310*485*1735	410*485*1735	270*760*695	270*900*695	270*1410*695	270*1410*695
Weight with wooden packaging, kg	64	80	56,5	69	100	105
Net weight, kg	49	67	45	50	75	80

Industrial Dehumidifiers DEH-i / DEH-K

DanVex

The perfect combination of performance/
quality/ cost/ availability



DEH-900i/1200i



DEH-1600i/1900i

Professional dehumidifiers of the «i» and «K» series are used to achieve the required air humidity characteristics during the production and storage of goods.

Install the dehumidifier in the premise and connect it to the water drain.

When choosing a model observe the following principle: the volume of air in the room must pass through the dehumidifier at least twice an hour. If there are obvious sources of moisture choose a more powerful model.

The difference between the «i» and «K» series:

The «i» series has 1 compressor. In the more productive «K» series 2 or 4 compressors are installed to achieve the required power.

If there is a need to maintain indoor humidity during production then in most cases it is the DanVex DEH-i series dehumidifier that you need or DEH-K.

Maintenance of the set humidity in warehouses and during production drying of materials. Medicine, chemistry, electrical engineering, food, mining manufacturing. DEH-i and DEH-K series dehumidifiers are used everywhere.

DanVex DEH-i/K is:

- rigid structure of body with easy access for maintenance;
- high-quality painted metal body panels;
- incoming and dehumidified air flows separated on opposite sides to achieve maximum efficiency;
- friendly maximally informative control panel;
- low noise due to vibration protection and the compressor noise isolation;
- modern industrial design;
- possibility of connecting air ducts (optional for the «K» series);
- ability to control via wi-fi application (series «K»).



DEH-3K/5K



Controller

Industrial Dehumidifiers DEH-i / DEH-K

DanVex

Specification Sheet



MODEL	DEH-500i	DEH-900i	DEH-1200i	DEH-1600i	DEH-1900i	DEH-3K	DEH-5K	DEH-10K
Maximum capacity, L/Day (30C, 80%)	50	90	120	160	190	300	500	1000
Maximum capacity, L/Day (20C, 60%)	20,3	36,9	49	53,8	59,7	166	277	575
Supply airflow, m3/h	300	500	700	1150	1250	3500	5000	10000
Air Pressure, Pa	n.a.	n.a.	n.a.	n.a.	n.a.	200	200	300
Filter type	G1	G1	G1	G1	G1	G4	G4	G4
Working range, %RH	30-100	30-100	30-100	30-100	30-100	30-100	30-100	30-100
Customizable humidity, %RH	10-95	10-95	10-95	10-95	10-95	10-95	10-95	10-95
Operating range, °C	+5 ...+35	+5 ...+35	+5 ...+35	+5 ...+35	+5 ...+35	+5 ...+38	+5 ...+38	+5 +38
Power, W	950	1350	1350	1800	2130	6000	11000	22000
Current, A	4,3	6	5,8	8	9,5	10,8	20	40
Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	400V/50Hz	400V/50Hz	400V/50Hz
Noise level, dB	< 64	< 64	< 64	< 64	< 64	< 55	< 55	< 65
Refrigerant	R32*250g	R32*400g	R32*500g	R32*1000g	R32*1000g	R32*1800g*2	R32*2200g*2	R32*2200g*4
Size in wooden packaging, mm (depth * width * height)	495*425*750	645*575*885	645*575*885	575*715*1085	575*715*1085	800*1322*2150	800*1322*2150	870*1692*2200
Size without packaging, mm (depth * width * height)	410*330*550	440*430*750	440*460*760	460*600*900	460*600*900	600*1122*1850	600*1122*1850	670*1492*1900
Weight with wooden packaging, kg	42.5	64.5	77.5	86	87.5	240	275	340
Net weight, kg	34	55	62	70	75	220	250	310

Ducted Dehumidifiers DD / DD-F



DD-36F/56F



DanVex manufactures and sells condenser ducted dehumidifiers. They are used when air is supplied to the premises through air ducts.

Dehumidifiers can be used both as stand-alone units (as they include one or two pressure fans), and as part of a ventilation system.

Our professional approach to the development of this type of dehumidifier has led to the largest range of quality dehumidifiers for any request and application. In our model range there are dehumidifiers from 40 liters to 1000 liters of drainage per day.

When choosing a manufacturer, you should pay attention to the advantages of DanVex over the vast majority of manufacturers:

- supports Wi-Fi and RS485 (MODBUS) - for remote control and external management;
- fans and compressors are from well-known manufacturers, the best in the market. Claimed characteristics of dehumidifiers for the performance of moisture removal and air pressure are guaranteed. Fans have two speeds;
- the side plates of the heat exchangers are made of stainless steel, not galvanized metal. They are more reliable and serve longer life, as they are not exposed to corrosion;
- copper tubes with aluminum fins and a blue hydrophilic coating do not allow water to linger on the fins of the heat exchanger. This improves the efficiency and life of the desiccant;
- the wall thickness of the copper tubes of the heat exchanger is 0.5 mm, the wall thickness of the curved copper tubes is 0.75-1.00 mm. Two times more than other manufacturers have. This significantly increases the life of DanVex dehumidifiers;
- appearance, quality of materials and workmanship, ease of access during maintenance;
- built-in filters for coarse, medium and fine cleaning, an ultraviolet lamp and an ionizer for cleaning and disinfecting air in each DanVex ducted dehumidifiers.



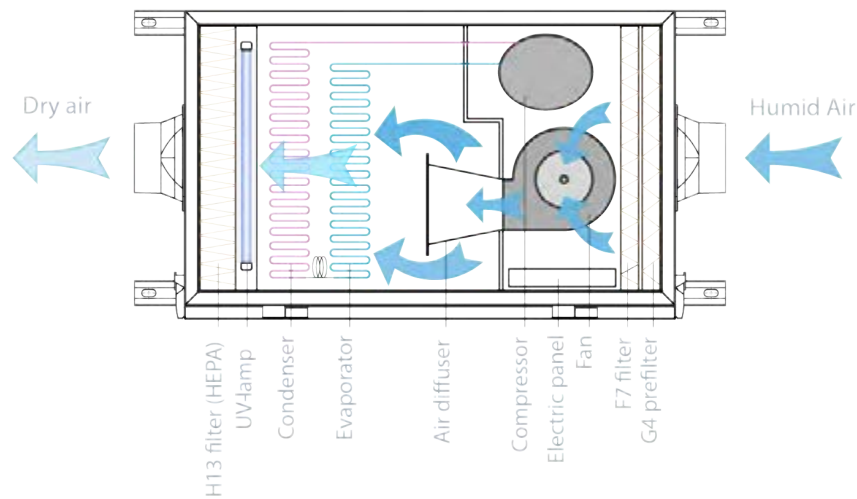
Controller

Ducted Dehumidifiers DD / DD-F

DanVex



DD series

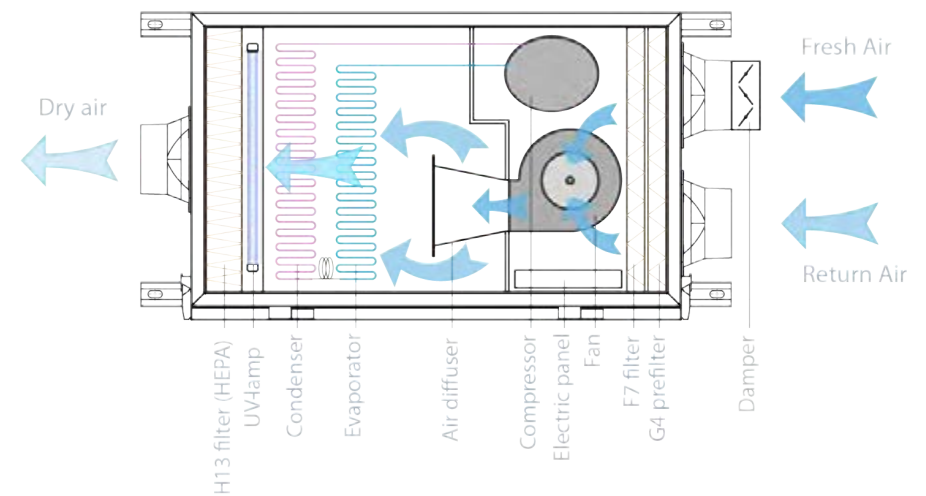


We produce several series of duct dehumidifiers:

The DanVex DD series pulls air from the room and returns it back. It has one input and one output. It can be used to supply air from outside.

Series DD-F (F - from the word Fresh (AIR)). It has two air intakes. One from inside and the second one to mix fresh air from outside. Dried mixed air returns to the room. The mixture is controlled by a special air valve which is adjustable. DanVex DD-F has 2 inlets and one air outlet.

DD-F series



Ducted Dehumidifiers DD / DD-F



DanVex

Specification Sheet

MODEL	DD - 36F	DD - 56F	DD - 96F	DD - 136F	DD - 168	DD - 240	DD - 380	DD - 480	DD - 720	DD - 960
Maximum capacity, L/Day (30C, 80%)	36	56	96	136	168	240	380	480	720	960
Supply airflow, m3/h	500-670	650-780	1000-1200	1200-1350	1800-2200	2500-2900	3500-3850	4800-5300	7500-9000	9000-11000
Return airflow, m3/h	350-460	470-550	680-800	750-850	1800-2200	2500-2900	3500-3850	4800-5300	7500-9000	9000-11000
Fresh airflow, m3/h	150-210	180-230	320-400	400-500	-	-	-	-	-	-
Static Pressure, Pa	100	100	100	100	200	200	200	200	400	400
Working range, %RH	45-100	45-100	45-100	45-100	45-100	45-100	45-100	45-100	45-100	45-100
Operating range, °C	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38	+5 ...+38
Power, W	620	700	920	1160	2800	4000	5500	9000	15000	21000
Current, A	3	3,3	4,9	6,2	5,1	7	10	16	26	37
Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	380/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Noise level, dB	< 45	< 45	< 45	< 45	< 55	< 55	< 55	< 55	< 55	< 55
Compressor	Embraco	Embraco	Panasonic	Panasonic	Mitsubishi	Daikin	Mitsubishi	Daikin	Mitsubishi	Daikin
Refrigerant	R32*450g	R32*650g	R32*650g	R32*680g	R32*1600g	R32*1800g	R32*1600g*2	R32*1800g*2	R32*1800g*3	R32*1800g*4
Drain hole size, DN	20	20	20	20	32	32	32	32	32	32
Return air duct, mm	150	150	200	200	500x400	500x400	750x450	750x450	1200x450	1200x450
Supply air duct, mm	150	150	200	200	350x350	350x350	818x313	818x313	1058x348	1058x348
Dimensions, mm	950x539x265	950x539x265	1030x639x375	1030x639x375	1160x820x600	1160x820x600	1370x1120x720	1370x1120x720	1700x1642x720	1700x1642x720
Weight, kg	42	47	63	67	96	105	245	265	422	450

Desiccant Dehumidifiers AD

**Excellent efficiency at low
temperatures**



Desiccant type dehumidifiers are designed for efficient dehumidification of air with humidity up to 100% and temperature from -20 °C to + 40 °C with minimum amount of energy consumption. The temperature range from -30 °C to + 50 °C is also achievable with a special request.

Usually dehumidifiers of this type are used if a humidity of less than 30% is required in the premise and /or the air temperature is less than +10 °C since condensation dehumidifiers become ineffective in such conditions.

DanVex AD dehumidifiers are used for indoor or outdoor installation where air humidity regulation is required independently or in combination with a ventilation and air treatment system.

The principle of operation is to use a moisture-absorbing rotor with high adsorbing properties. Air supply to the rotor is carried out in such a way that the operating (dehumidified) air passes through 75% of the rotor sector and through 25% of the sector in the counterflow to the working one - the regeneration air preheated to a predetermined temperature. This air absorbs moisture from the rotor sorbent and withdraw it outside the room under dehumidifying.

Slight overpressure of water vapor contributes to the efficient exchange of humidity between air and sorbent and the quality of regeneration is controlled by the temperature of the regeneration air. In addition the regeneration air performs the function of cleaning the inner surface of the rotor from possible contamination due to dust ingress together with the operating air. The rotor rotation allows you to combine the process of operating air sorption with the regeneration of the sorbent.

The absence of condensate allows the installation to be used without being bound to the sewage system



AD-800/1000



Desiccant Dehumidifiers AD

DanVex



Features:

- the body and all internal elements are made of stainless steel or steel with powder coating;
- ability to work with an external humidity sensor (supplied complete with);
- electrical engineering design in accordance with the international standard EN60204;
- protection class IP44;
- suitable for very cold places and with high humidity;
- all-weather continuous operation from -20°C to + 40°C of the environment;
- the rotor contains a highly effective silica gel that absorbs water vapor well;
- airflow belt drive and rotational speed are optimized for maximum efficiency;
- effective sealing solution to reduce air leaks



AD-3000



AD-200

Desiccant type dehumidifiers are much more expensive than condensation type dehumidifiers both in cost and in operation. Therefore, they are used in cases where the use of a condensation type dehumidifier is impossible or unprofitable due to extreme humidity and/or temperature requirements

Desiccant Dehumidifiers AD



DanVex

Specification Sheet

MODEL	AD-200	AD-400	AD-550	AD-800	AD-1000	AD-1500	AD-2500	AD-3000
Nominal capacity (20°C/60%), kg/hour	0,6	2,2	3	5	7	11	15	22
Nominal capacity (20°C/60%), kg/day	14,4	52,8	72	120	168	264	360	528
Dry airflow, m3/hour	180-220	400	550	820	1100	1550	2500	3000
Static pressure, Pa	70	50	100	200	200	200	400	300
Regeneration airflow, m3/hour	60	130	200	250	400	580	925	990
Static pressure, Pa	50	50	50	150	150	150	400	200
Rated power, KW	1,2	2	3,8	9	12	13	24	34
Rated current, A	6	10	20	13,6	18	20	50	52
Voltage	230V / 50Hz	230V / 50Hz	230V / 50Hz	400V / 50Hz	400V / 50Hz	400V / 50Hz	400V / 50Hz	400V / 50Hz
Noise, dB	< 45	< 50	< 65	70	70	80	100	100
Diameter Proces air IN, mm	100	125	125	200	200	250	400	400
Diameter Dry air OUT, mm	100	125	125	200	200	250	450*225	450*225
Diameter Regeneration air IN, mm	80	80	80	150	150	160	200	200
Diameter Regeneration air OUT, mm	80	80	80	150	150	160	200	200
Dimensions, mm (depth * width * height)	292*442*678	425*680*400	420*578*867	640*877*1232	640*877*1232	660*888*1238	856*1296*1303	1000*2200*1240
Weight, kg	30	34	60	165	175	190	360	380

Ultrasonic Humidifiers HUM-S

DanVex



DanVex industrial ultrasonic humidifiers are capable of maintaining humidity levels up to 100%. The temperature of the resulting «fog» depends on the supplied water temperature. DanVex humidifiers are designed to be placed directly in the premise being served on the floor. Hanging on the wall is also allowed.

The principle of operation

Air humidification in the premise takes place due to water ultrasonic spraying in the humidifier body and water particles movement through the steam pipe using the air flow created by the built-in fan.



HUM-15S/18S

DanVex humidifiers of the HUM-S series are equipped with an electronic control panel. Humidity level control is carried out using a remote hygostat. The humidifier has an automatic operation mode. Once the set humidity is reached the humidifier turns off and switches to humidity control mode. When the humidity decreases by more than 2% of the set humidity the humidifier turns on and humidification takes place.

Application

DanVex humidifiers are used in all kind of activity and production. The main application is the elimination of static electricity dust reduction humidity control. It is impossible to avoid humidifier in furniture paper textile leather automotive electrical chemical production printing houses warehouses server rooms storages of vegetables and fruits etc.

Ultrasonic Humidifiers HUM-S

DanVex

Advantages:

- compact stainless steel housing;
- easy to install and maintain;
- instant readiness to work;
- modern and practical design;
- uniform steam supply;
- safe steam temperature;
- low cost of operation and maintenance;
- high fire safety due to the absence of heating elements;
- small size of water particles promotes rapid absorption by air;
- remote hygostat for indoor humidity control;
- mechanical water purification filter included



HUM-3S/6S

Specification Sheet

MODEL	HUM-3S	HUM-6S	HUM-9S	HUM-12S	HUM-15S	HUM-18S	HUM-24S	HUM-48S
Maximum capacity, l/h	3	6	9	12	15	18	24	48
Maximum capacity, l/day	72	144	216	288	360	432	576	1152
Supply airflow, m3/h	180	180	280	280	300	400	480	960
Working range, % RH	0% - 100%	0% - 100%	0% - 100%	0% - 100%	0% - 100%	0% - 100%	0% - 100%	0% - 100%
Static Pressure, Pa	20	20	40	40	50	50	50	70
Operating range, °C	+5°C ..+38°C	+5°C ..+38°C	+5°C ..+38°C	+5°C ..+38°C	+5°C ..+38°C	+5°C ..+38°C	+5°C ..+38°C	+5°C ..+38°C
Mist vent, mm	1 * 110	1 * 110	2 * 110	2 * 110	3 * 110	3 * 110	2 * 160	3 * 160
Power, W	300	600	900	1200	1500	1800	2500	4900
Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	400V/50Hz
Air filter size, mm	245*130*12	245*130*12	445*105*12	445*105*12	445*105*12	445*105*12	445*105*12	545*145*12
Size in wooden packaging, mm (depth * width * height)	700*460*740	700*460*740	760*550*750	760*550*750	770*770*750	770*770*750	890*600*680	950*840*680
Size without packaging, mm (depth * width * height)	600*330*495	600*330*495	640*420*500	640*420*500	640*640*500	640*640*500	980*700*790	970*780*790
Weight with wooden packaging, kg	36,5	39,5	55	58,8	73	77	105	165
Net weight, kg	26	28	36	39	50,5	54	81	140