

Advantage and Technology made in Germany



STIELOW-JET air humidification technologies offer you high-end air humidification with the diamond - as STIELOW-JET-FOX also noiseless.

Two-substance nozzle systems are powered by compressed air and do not require water treatment.

On page 21, page 22 and 23 you will find our plug-in humidifiers.

We will be happy to advise you comprehensively on site and submit our offer to you. In the case of installation, you will receive a fixed price for the work carried out exclusively by our own employees.

Our service is available to you around the clock. These systems are designed in such a way that maintenance contracts are not required. This also keeps follow-up costs moderate.

STIELOW-JET air humidification technologies - when you want it to be good.



finest mechanical engineering tradition since 1952

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The Philosophy

STIELOW-JET high-end air humidification technologies offer German engineering at the highest level from the first draft to the finished series part as a guarantee for first-class products made in Germany.

Manufactured by machine and tempered by hand, the nozzles are assembled from various individual parts, surface-finished or provided with industrial diamonds. This is the only way to achieve a long service life for reliable nozzle products with the highest quality standards. This is guaranteed by the STIELOW mark.



The Tradition

Since the 1950s, STIELOW products have been used around the clock, seven days a week, year after year, in production and service sectors in Germany and internationally. The extensive process technology is supported by expertise and reliability through partnership-based co-operation with our customers. The supply of spare parts is guaranteed by the Euro Express Service. Customer service is carried out by our own STIELOW service technicians, so that reliable operation is guaranteed ... for decades and for the future.

The Process Engineering

Problems and solutions are subject to constant change, which is why, in addition to product information and specific reference projects, personal consultations on site are so important. On this basis, our product consultants and application engineers are at your disposal throughout Europe to recognise problems and present solutions free of charge as part of a turnkey offer. An extensive product pool with a wide variety of plug-in appliances or process engineering concepts in plant construction is available to you for this purpose, including customised solutions if required. Only through in-depth market knowledge and many years of experience can we develop a concept in the interest of an economical and good solution for your tasks. STIELOW-JET products are completely assembled on site and only with STIELOW employees, guaranteed !!! So you enjoy the advantage of service from a single source, no matter where you are at home, because: we want to be able to come back and need your satisfaction.

**Advice !
Financing !
Service !**

Partner for Industry, Trade and Comfort

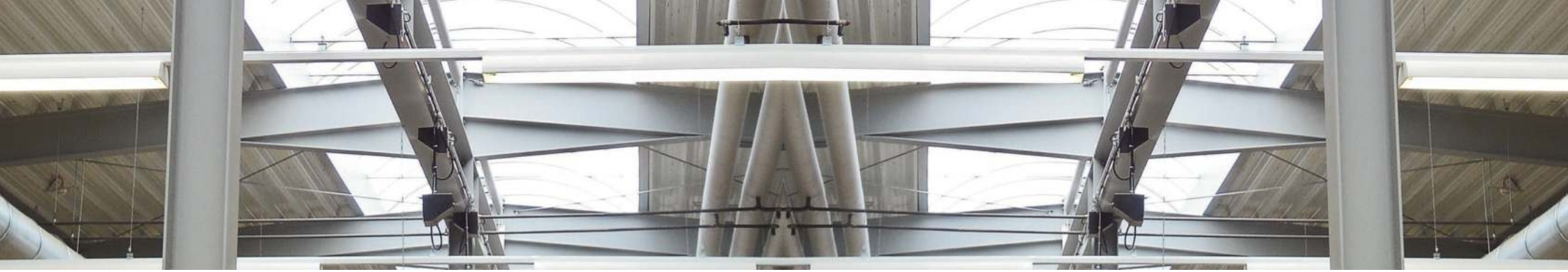
STIELOW-JET air humidification technologies have their origins in industry and commerce and have proven their worth in comfort applications. Wherever excessively low humidity levels are harmful and aspects such as health, well-being and hygiene are important for people and the environment, our technologies stand for a long service life and offer remarkable advantages for their operators:

- favourable acquisition costs
- modular principle for any room size, expandable at any time
- efficient installation and fast commissioning
- fully automatic operation
- largely maintenance-free with self-cleaning nozzles (cleaning of the suction nozzle or twin cleaning water nozzle/atomiser bonnet) or demineralised water operation for single-fabric nozzles
- space-saving installation under the ceiling
- hygienically flawless
- no influence on the nozzles in dusty rooms
- the performance of each nozzle system and the fineness of the water particles can be varied
- long service life thanks to corrosion-free cable material

Tradition and Perfection

- **high-end technology**
- **high-quality nozzle products in V4A – with the diamond !**
- **high-pressure nozzles pressure-resistant up to 500 bar**
- **water treatment systems in cabinet form with clearly arranged control panel**
- **pure water is produced, not filtered**
- **hygiene prophylaxis OXIULTRA 27**
- **STIELOW-JET air humidification technologies are sold - not rented out**
- **fair price-performance ratio**
- **hygiene-safe, closed system, hazard-proof in case of salt shortage**
- **exemplary air humidification systems since 1952**
- **developed and practised over decades – not just tested !**





STIELOW JET® -Intrammat



Air Humidification with the Diamond



Montage vor Ort

Single-substance nozzle technology

Airless high-end Luftbefeuchtung – das wasserhydraulische Hochdrucksystem zur Luftbefeuchtung für Produktion, Gewerbe und Comfort.

Your drinking water is pre-softened using a state-of-the-art STIELOW DINO water treatment plant and then fully demineralised osmotically. The pure water produced here can be used for all other commercial and industrial purposes.

For STIELOW-JET air humidification technologies, it is pressurised hydraulically and atomised with diamond nozzles in a highly pure and crystal-clear form that is imperceptible and barely visible. The room air is humidified as finely as a breath of air. Draughts are completely avoided, you achieve top conditions and the effect of a 'green lung'.

The system exceeds the strict hygiene requirements of VDI 6022 - Sheet 6 and DIN 1946 and, using the proven

STIELOW JET® -Duomat

Humidification like a Breath of Air

STIELOW hygiene prophylaxis OXIULTRA 27, includes a maintenance logbook in accordance with trade association regulations and the in-house hygiene certificate.

Research with development, production in our own factory in Germany as well as system configuration, assembly and Euro-Express service are always carried out exclusively by STIELOW. Complete assembly is carried out directly and exclusively by the manufacturer – worldwide.

Hygiene-safe

Guarantees and Standards STIELOW-JET Air Humidification:

- the specified water outputs are guaranteed
- Modular principle – further expandable
- fully automatic operation
- hygienically perfect operation with demineralised water
- no fog formation
- reduces dust formation and suspended particles in the air we breathe
- eliminates electrostatic charges
- complete assembly by the manufacturer
- stainless steel pipes, closed system
- Hygiene-safe
- long service life
- Hygiene prophylaxis OXIULTRA 27
- optionally computer-controllable



STIELOW JET[®]-cube



- digitally controlled
- convincing energy efficiency
- air humidification redefined
- perfectly quiet
- swivelling
- super small
- hygienically excellent!




assembly option

STIELOW-JET air humidification systems - tried and tested in all areas of direct room air humidification since 1952. Two-substance nozzle systems or high-pressure systems – STIELOW solves every direct air humidification task.

The modern and novel **STIELOW-JET-cube** is the innovation in direct air humidification. With its minimal dimensions, this system can be perfectly integrated and is so unobtrusive that it is ideally suited for sophisticated solutions in building architecture. With a durable diamond nozzle that operates virtually silently and an integrated miniature fan, the system can always be used inconspicuously and without disturbance, but extremely efficiently and effectively.



Humidification like a Breath of Air

- DIAMANT nozzles with a unique selling point 
- extremely fine droplet spectrum of the nozzles
- complete assembly by the manufacturer
- innovative design concept
- balanced price/performance ratio
- low follow-up and maintenance costs
- hygienically exemplary in accordance with VDI 6022 Sheet 6
- Hygiene prophylaxis with in-house certificate
- no recurring inspection of the pipe network necessary!
- Hygienesafe · high-end air humidification
- extremely flexible system · nozzles cannot be heard

Advantages:

Exemplary energy balance for people and the environment for a pleasant and healthy feel-good climate. Has a beneficial and performance-enhancing effect on the human organism by creating natural humidity. Constant humidity in winter and summer. Energy consumption for the water hydraulics 300 watts. Evaporative cooling through air humidification with temperature reduction of up to 6° C in summer (at room temperatures of approx. 29° C).

STIELOW JET[®]-cube



master



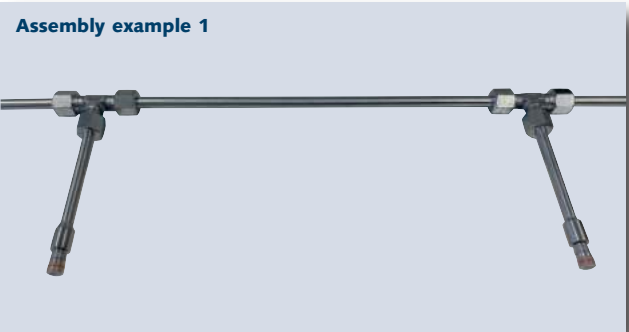
cube





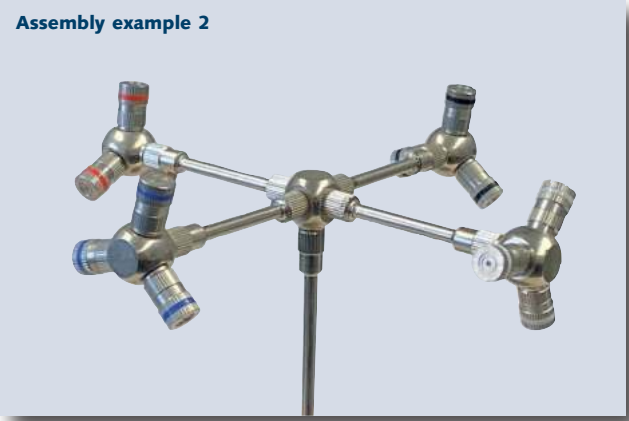
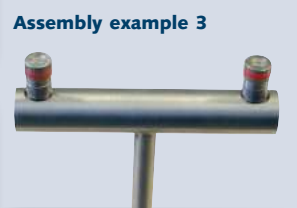
Air Humidification with the Diamond

... hygienic Air Humidification – we are the Pioneer



High-pressure nozzle system
 STIELOW-JET FOX systems work without fans and do not require compressed air

- Excellent cooling effect
- Silent air humidification
- Easy assembly
- Individual nozzles with a water output of 0.5 to 20 litres/hour each

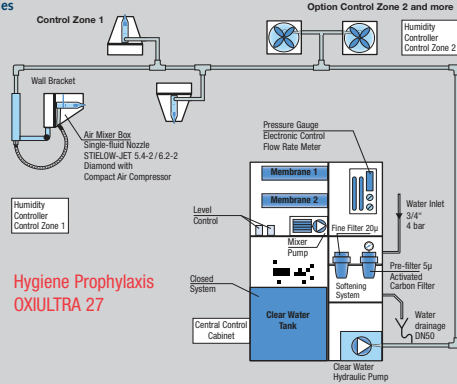


- high-end Technology
- high-quality nozzle products in V4A – with the diamond!
- high-pressure nozzles pressure-resistant up to 500 bar
- Water treatment systems in cabinet form with clearly arranged control panel
- pure water is produced, not filtered
- Hygiene prophylaxis OXIULTRA 27
- no unnecessary maintenance contracts
- fair price-performance ratio
- Hygiene-safe, closed system, hazard-proof in case of salt shortage
- exemplary air humidification systems since 1952
- silent air humidification
- adiabatic cooling of the room possible





In-house Hygiene Certificate valid for all employers' liability insurance associations



Hygiene Prophylaxis OXIULTRA 27

Information at a glance



JET-Station ST 10, optional

Switch Cabinet Construction



STIELOW Overall Assembly

We redefine Hygiene

The centrepiece of the system is the STIELOW-JET Diamant one fabric nozzle. The nozzles are mounted individually on the ceiling of the hall and fitted with an air mixer box in order to distribute moisture particles and adiabatic cooling quickly throughout the room rather than selectively. The water particle size is less than 10 microns. Each system is equipped with a central supply unit consisting of a DINO softening system, a DINO reverse osmosis system, a DINO clear water hydraulic system (150 bar) and a humidity controller.

The demineralised water produced is pressurised and atomised at 40 to 80 bar (depending on the size and design of the system), whereby the STIELOW-JET single-material nozzles are fitted with a set industrial diamond with a water outlet of less than 0.1 mm. The hardness of the diamond ensures that the nozzle mouthpiece has at least five times the service life of conventionally manufactured nozzles, e.g. made of V4A. Even ceramic nozzles do not achieve the service life of industrial diamonds.

The repeat accuracy of the droplet spectrum has only become possible by fitting the nozzles with a diamond – regardless of whether 10 or 100 nozzles are mounted on a nozzle section: the atomisation pattern on all nozzles is identical. Thanks to its long service life and the fact that the DINO clear water hydraulics make the use of compressed air generation superfluous, this system offers an alternative to two-substance nozzle systems.

Facts at a glance:

- DIAMOND ONE FABRIC NOZZLES
- optimised production in the company
- hygienically exemplary in accordance with VDI 6022 - Sheet 6
- increases well-being at the workplace, reduces indoor dust pollution,

provides clean breathing air, active health aspect prevents dry skin and drying out of the mucous membranes, cold prevention

- protects IT and computers from crashes and data loss
- has a beneficial and performance-enhancing effect on the human organism by creating natural humidity
- use of ultra-pure, crystal-clear water
- noiseless nozzles, low-noise operation
- Hygiene Prophylaxis OXIULTRA 27 DIAMOND-HYDRAULIC-ENGINEERING
- perfect droplet spectrum of atomised water
- full service on site
- NO RENTAL COSTS*

*water hydraulics and water treatment are purchased, not rented (high savings factor)

- two-stage softening, regeneration time-free
- complete assembly by the manufacturer
- low operating costs
- in-house hygiene certificate
- 500 bar one fabric (pressure resistance of the nozzles)
- at least 5 times longer service life of the nozzles
- low-pulsation water hydraulics
- cavitation-free
- short response times for international service
- individual positioning of the nozzles
- automatic power adjustment
- closed system
- excellent sub-distribution, absolutely draught-free
- rinsing against standstill contamination
- leading market position since 1952

Options:

Humidity Controller ST-4



Hardener dosing Unit



Pressure Booster Station



DINO Storage Tank with mounted High-pressure Unit



JET-Logger ST A, optional
Data retrieval worldwide on your mobile phone

Regulation



STIELOW Water Treatment Plant DINO



Guidelines applied §:

Hygiene Specifications VDI 6022 - Sheet 6 are exceeded.

Workplace Directive 5 'Ventilation'.

DIN 1946 Part 2 'Health Requirements'.

VDI 2081 'Noise Generation and Noise Reduction in ventilation and air-conditioning Systems'.

VDI 3801 'Operation of ventilation and air conditioning Systems'.

VDI 3802 'Ventilation and air conditioning Systems for Production Facilities'.

VDI 3803 'Ventilation and air conditioning Systems; structural and technical Requirements'.

VDI 6022 'Hygiene-conscious Planning; Design, Operation and Maintenance of ventilation and air-conditioning Systems'.





modern
safe
innovative
competent
comfortable



Water – a special Substance

The pioneer of hygienic air humidification has a long tradition in this field. For STIELOW, it is therefore an obligation not only to fulfil hygiene requirements, but to exceed them.

Water can generally be described as 'patient'. Nevertheless, mistakes are often made when using air humidification equipment, which can have long-term effects.

If an air humidification system is contaminated, it quickly leads to contamination of the entire system. The dreaded danger to people in the workplace is then the inevitable consequence. It is extremely risky to operate such systems

Product according to EC Directive:
DIN EN 901 – Treatment Substances and Disinfection Processes for Drinking Water
Applied Standards and Specifications:
List to §11 TrinkwV 2001 Part II
List to §11 TrinkwV 2001 Part Ic – Status 2007 December
DVGW-Worksheet W229 – Section 6.5.2

nozzle tip remains an unreached 'end of the line'. Forced commissioning of the nozzles is also no guarantee of optimum hygiene.

Every year, a large number of systems on the market become contaminated

nor toxic and does not attack human skin. This product is an extremely effective exclusive STIELOW GmbH product that is harmless to humans and the environment. The product is water-clear and colourless and retains its effectiveness for up to six months. After this period, the 20-litre canister should be replaced and renewed. This measure is recommended to maintain the guarantee on the system and technology.

It is always possible to switch the dosing unit on and off at the main switch.

A further advantage of the product is that STIELOW-JET air humidification systems remain hygienically stable even

Germ-free! No more but also no less

and costly to repair contaminated systems after an accident.

All effort is futile if the hygiene task is not solved correctly in terms of design. STIELOW therefore favours high-quality and hygienically exemplary configurations right from the start.

due to impurities in the water used. Because water remains a special substance, measures such as flushing and forced commissioning or even draining the entire system (emptying the nozzles or similar) do not lead to the permanent prevention of contamination, not even

when switched off. It is recommended that the humidification system be commissioned after a period of approx. 3 weeks.

This long-term property offers considerable advantages, even in the short term during shutdowns, business interruptions or company holidays.

With OXIULTRA 27 you achieve advantages that are not realised with other systems:

® Hygieneprophylaxe
OXIULTRA 27

Despite all the care taken in this regard, the atomising nozzle always remains the 'final destination' for the treated and carefully used water, especially at its outlet. When the system is at a standstill, contamination quickly occurs, especially when room air enters the nozzle mouthpiece. Regular flushing of the pipework is not an effective solution because the stagnant water at the nozzle outlet is not reached by any ring main flushing. This means that the

in closed systems - in some cases, the problem is even exacerbated by such measures.

For STIELOW-JET air humidification technologies, the proven and extremely safe and reliable OXIULTRA 27 hygiene prophylaxis is used as standard and therefore at no extra cost.

Using a high-precision dosing unit, the water produced is inoculated with OXIULTRA 27, which is neither corrosive

- harmless to humans and the environment
- extremely effective for up to six months
- water clear and colourless
- prevents microbial growth
- reliably prevents accidents and system contamination
- breaks down existing biofilms
- not aggressive or corrosive
- the water does not become acclimatised - so OXIULTRA 27 remains constantly reactive
- no dangerous goods



Turning drinking water into pure water – for all operational processes

Pure Water for your Business

DINO 250 – 250 l Permeate Output/h

DINO 500 – 500 l Permeate Output/h

DINO 1000 – 1000 l Permeate Output/h

75 % Pure Water Yield = 25 % concentrate

Clear Control Panel
Information at a Glance



Cabinet Structure

Hygiene-safe

DINO 500

Reinwasser für:

- Air Humidification Technologies
- Process Water / Dampening Water
- Technical Water
- Accumulators (electric forklift)

- low space Requirement
- portable at any time
- corrosion resistant
- Cabinet Structure
- highest Quality Membranes
- Stainless Steel Pressure Pipes
- constructive
- highest Standard



DINOTROL 40 / 80



Stainless Steel Cabinet
*optional



DINO 250

Advantages of Air Humidification:

- no Disinfection of the Pipe necessary
- no Mineral Precipitation as fine Dust in the Room
- limescale-free Pipes
- no Germ Growth in the Pipes

Advantages Graphic Arts Industry:

- Ink Roller Service Life improves by over 50 %
- Constant need for Fountain Solution Additives
- alcohol-reduced Printing
- Disk freewheel plus
- uniform pH Value
- Ink Rollers do not run bare
- Consistent Printing Results



Cabinet Structure



made in Germany

DINO 1000

STIELOW Reverse Osmosis System - hygienically outstanding !

high-quality diaphragms installed in
the V4A Pressure Pipe



- Input Filter A 20 µ
- Input Filter B 5 µ
- Activated Carbon Filtration as Standard
- Solenoid Valve in the Raw Water Inlet
- Pressure Switch / Dry-running Protection
- Pressure Gauge / Working Pressure Monitoring
- 12 bar – Mixer Pump
- Permeate Flow Meter
- Flow Meter Concentrate
- PVC / PP Piping
- fully automatic Control
- Level Control
- Rinsing against Standstill Contamination
- Hygiene Prophylaxis OXIULTRA 27





robust – reliable – constructive – uncomplicated

Dual-fabric Nozzle Engineering

Double-fabric nozzles / compressed air – water treatment only optional.

A Double-fabric system is installed, which we as the manufacturer assemble on site and hand over ready for operation.

Drinking water is fed through STIELOW-JET nozzles from the waterworks to the nozzle tip using compressed air and atomized into a fine mist.

The system is controlled hygienically and with little maintenance effort by a central control system and controller.

Guarantees and Standards STIELOW-JET Humidification Technologies:

- the specified Water Capacities are guaranteed
- Modular Principle – further expandable
- fully automatic Operation
- insensitive to Dust and Dirt, closed System
- reduces Dust Formation and Suspended Particles in the Air we breathe
- eliminates electrostatic Charges
- Complete Assembly by the Manufacturer

- stainless Steel Cables
- long service Life
- hygienically flawless Operation
- optionally computer-controllable

Our System with Dual-fabric Nozzles has the following Advantages:

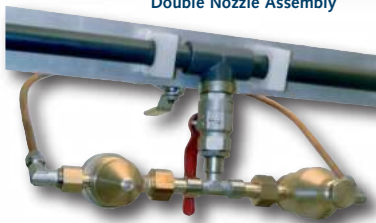
1. STIELOW atomizing nozzles D-Zw are fully material-turned, surface-tempered. The service life of this product is considerable and maintenance costs are minimal.
2. The complete seal set for a nozzle costs € 3,41. The recommended replacement interval is 12 months, the service life of the seal sets is at least 5 years.
3. The nozzles are mounted on structural light metal profiles and are positioned individually throughout the entire application area. This results in a much faster humidification effect than is possible with groups of nozzles, e.g. 12 nozzles at specific points, and the adiabatic cooling factor is not perceived as disturbing due to the precise distribution of the nozzles in the room. Draughts are avoided.

4. STIELOW atomizing nozzles D-Zw can be operated with demineralized water or optionally with drinking water. The nozzles are self-cleaning and reliable. The modern internal geometry enables a reduced compressed air requirement. The nozzles operate with reduced noise, but not silently.

You own the entire facility - it is not rented.

High rental costs are therefore completely eliminated.

Double Nozzle Assembly



Drinking Water from the Waterworks to the Nozzle Tip !

STIELOW-JET Dual-fabric Nozzle Systems

The STIELOW-JET dual-fabric nozzle systems form the proven basis of STIELOW air humidification systems. Various dual-fabric nozzles, controllers and central controls are used as standard.

It is a robust, globally proven air humidification system that is used just as successfully in state-of-the-art production facilities as it is in the harshest export conditions.

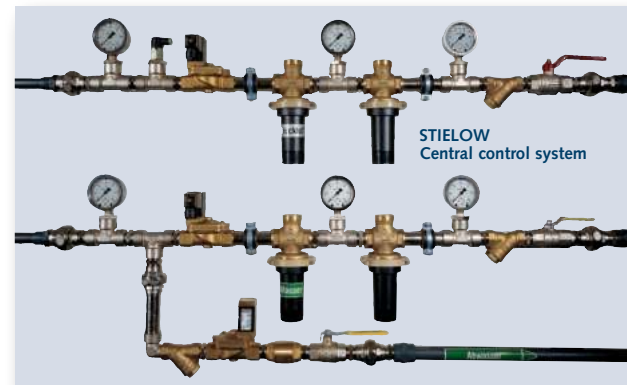
Dual-fabric nozzles generally have a high inherent pressure and incorporate the compressed air into the atomization as a supporting element for the water particles. 98 % of all STIELOW-JET dual-fabric air humidification systems are installed and commissioned worldwide by our own specialist personnel. The nozzles are individually or in pairs under the hall ceiling on a compressed air and drinking water pipe, which is stabilized by a light metal U-profile. The piping is installed in rigid PVC pipes – in PP material on request. Each installation includes on-site operator training as part of the installation services.

Each dual-fabric nozzle system includes a central control unit with a humidity controller. The system runs in fully automatic mode. The humidity is set and displayed in the controller in analog or digital form. The central control unit receives switching pulses from the controller to open and close the solenoid valves on the water and air supply lines. The standard central controls are equipped with pressure relief, where a small amount of water is discharged into a water drain with each switching



pulse. The only exception is the pneumatically controlled atomizing nozzle D-Zw/4-DST, which does not require a water drain. Due to the design of the central controller, the possibility of moisture precipitation in the room can be ruled out,

even in the event of a power or compressed air failure. In addition to its main humidistat, the humidity controller has a second safety humidistat which can take over the control functions until the main controller is repaired if it fails.



Self-cleaning Nozzles!

Each individual nozzle has its own fine adjustment and can therefore be optimally adapted to the desired room situation. The nozzles are controlled via the water pressure, the nozzle type D-Zw/4-DST pneumatically. All nozzles are self-cleaning. They have a double self-cleaning function so that the built-in needle piston cleans the suction nozzle and the atomizing hood twice an hour. The nozzles are made entirely of non-ferrous metal and are protected against corrosion by their surface coating. On request, all nozzles can be ordered in V4A as part of the special production program.

When designing the control and regulation components, great importance was attached to the greatest possible constructiveness, so that this solid construction enables many years of trouble-free operation even under the toughest conditions. The dual-fabric nozzle systems have been tried and tested worldwide since 1952. Due to their advantages, the dual-fabric nozzle systems are subject to very little wear. An above-average life expectancy can therefore be assumed, which is otherwise unknown in the field of air humidification.

Adiabatic cooling (evaporative cooling) can achieve a cooling effect of approx. 6°C in machine rooms with high heat develop-

ment at temperatures of 30°-35°C, for example, which can be further influenced by the water temperature - provided that the air humidification capacity is designed accordingly. This useful accompanying effect is of great importance in the textile industry, for example, in addition to the functional safety of the machines and the guarantee of production quality.

STIELOW-Water Treatment Plant DINO



Regulation



humat



JET-Station ST 10, optional



JET-Logger ST A, optional
Data retrieval worldwide on your cell phone

Humidity Controller ST-4



Hardener Dosing Unit



Pressure Boosting Station



STIELOW-JET
Dual-fabric Nozzles

STIELOW JET®-Automat

Progressive high-tech Air Humidification

STIELOW-JET-Automat offers state-of-the-art progressive air humidification with the reliability of a large STIELOW-JET air humidification system but as a compact model designed for room sizes of up to 1,000 cbm.

- fully automatic
- low maintenance
- ready to plug in - no assembly required
- maintenance-free thanks to logical Technology
- hygienically exemplary

Drinking water is used as the humidification medium, which flows from the waterworks to the nozzle tip without an intermediate tank. The system can optionally be operated with water treatment.

Advantages

STIELOW-JET-Automat:

- Progressive Air Humidification with Output Range from 0 to 100 %
- Central Control, fully automatic
- no ongoing Maintenance Costs
- designed in Accordance with all Requirements of the various Trade Associations, rating: excellent hygienic
- Atomisation Performance 0,16 - 8 l/Std.
- self-cleaning Atomising Bonnets
- Air Inlet Pressure Manometer
- Water Operating Pressure Manometer
- Air Operating Pressure Manometer
- Main Power Switch 230V 1 N ~ 50 Hz
- electric Moisture Meter with Humidity Sensor

Precise air humidification technologies from the globally protected STIELOW-JET brand have become a byword for high-quality air conditioning solutions in all areas of air humidification.

Comprehensive guarantees protect the customer.



Compressed air requirement: 3 Ncbm/h
Water connection: 1/2"
Compressed air connection: 1/4"
Dimensions (WxHxD): 500 x 530 x 240 mm
Weight: 20 kg

noise-reduced!

0,16 to 8 litres/h progressively adjustable



STIELOW JET[®] nessie 312



- Compact Device
- immediate Availability of the high Humidification Performance
- hygienically flawless
- fully automatic Function
- Fresh Water Connection
- completely Dispenses with Filter Mats
- Power Consumption from 300 W/h
- low-noise Operation
- universal Application
- additional Humidity Sensor Included

Universal Use

in trade, museums, the food sector, industry, electronics manufacturing, pharmaceutical production, tobacco storage, food counters, everywhere in the flower, fruit and vegetable sector, as well as many other applications.



The Solution if the Air is too dry.

For Trade, Museums, Food, Industry and many other Applications.

The extremely compact and mobile design is ideal wherever humidification is required in confined spaces. The hourly output for the four different devices is between 3 and 12 l/h in automatic mode.

For continuous operation of the devices, we refer to the compatibility with the STIELOW reverse osmosis DINOTROL 40 and the hygiene prophylaxis OXIULTRA 27 in order to

fulfil the requirements of DIN 6022 – Sheet 6.

The system has an outlet of 110 mm and can therefore be connected to a HT pipe system or the moisture produced can be blown directly into the room via a short route.

The STIELOW-JET nessie 312 appliances have a humidity sensor that can be attached to the ideal measuring

point using the existing cable connection. Once connected to the water, it runs fully automatically and is therefore suitable for continuous operation. The desired humidity can be easily set and the operating status can be read on the display at any time. The device can be moved so that an optimum operating location can be selected.



compatible with STIELOW Water Treatment Plant DINOTROL 40
STIELOW Hygiene Prophylaxis OXIULTRA 27



Technical Parameters:				
nessie	312.3	312.6	312.9	312.12
Tension V/Hz	220/50	220/50	220/50	220/50
Power Consumption Watt/h	300	600	900	1200
Humidity Performance l/h	3	6	9	12
Function	Fully Automatic Machine			
Humidity Outlet diameter	110 mm Single Outlet		110 mm Double Outlet	
Dimensions (height x width x depth) mm	462 350 600	462 350 600	462 350 600	462 350 600
Weight kg	25,5	28,0	38,5	41,0

The humidifier operates at a temperature of 5 to 40° C and at a relative humidity of 40 - 80 % r.H.



STIELOW-JET Air Humidification Technologies – in use everywhere





D-ZW/4-DST

D-ZW/6

D-ZW/10

D-ZW/20

Diamond silver

Diamond black

Diamond white

Diamond red

Diamond blue

Diamond white gold

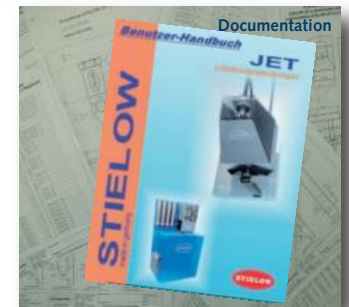
Automat

Execution	Dual-fabric	Dual-fabric	Dual-fabric	Dual-fabric	Single-fabric	Single-fabric	Single-fabric	Single-fabric	Single-fabric	Single-fabric	Dual-fabric	
Air Pressure	1,20	2,20	2,20	2,40	-	-	-	-	-	-	1,20	bar
Water Pressure	0,9-3,00	2,50	2,80	3,00	40/60/150	40/60/150	40/60/150	40/60/150	40/60/150	40/60/150	0,9-3,00	bar
Compressed Air Requirement min.	1,40	3,20	4,40	7,50	-	-	-	-	-	-	2,80	Nm ³ /h
Compressed Air Requirement max.	2,00	3,80	5,00	8,00	-	-	-	-	-	-	4,00	Nm ³ /h
Atomisation Performance	0-4,00	6,00	10,00	20,00	0,5 - 1,0	1,2 - 2,0	3,0	4,0	4,0 - 6,0	10,0	0,16 - 8,00	l/h
Length	112	107	107	107	22	22	22	22	22	22	500 x 240 x 530	mm
Diameter	40	45	45	45	10	10	10	10	10	10	-	mm
Weight	863	790	795	800	6,5	6,5	6,5	6,5	6,5	6,5	(20 kg)	g
Cooling Capacity	14250	1425 / 2140	1425 / 2140	5700	355 - 710	852 - 1420	2130	2840	2840 - 4260	7100	5700	kcal/h
Function Control	pneumatic Com-pressed Air / Water	Compressed Air / Water	Compressed Air / Water	Compressed Air / Water	wasser-hydraulisch	wasser-hydraulisch	wasser-hydraulisch	wasser-hydraulisch	wasser-hydraulisch	wasser-hydraulisch	Druckluft / Wasser	
Fineness Particle Size	under 5µ	unter 5µ	unter 5µ	unter 5µ	unter 10µ	unter 10µ	unter 10µ	unter 10µ	unter 10µ	unter 10µ	unter 5µ	
Humidity Distribution	Compressed Air / Own Pressing	Compressed Air / Own Pressing	Compressed Air / Own Pressing	Compressed Air / Own Pressing	water-hydraulic / Air Compressor	water-hydraulic / Air Compressor	water-hydraulic / Air Compressor	water-hydraulic / Air Compressor	water-hydraulic / Air Compressor	water-hydraulic / Air Compressor	Compressed Air / Own Pressing	
Water Quality	min. Drink. Water	min. Drink.Water	min. Drink.Water	min. Drink.Water	VE Water	VE Water	VE Water	VE Water	VE Water	VE Water	min. Drink.Water	

Subject to technical changes !



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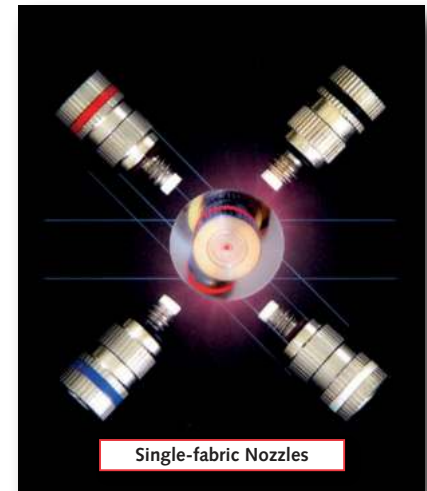
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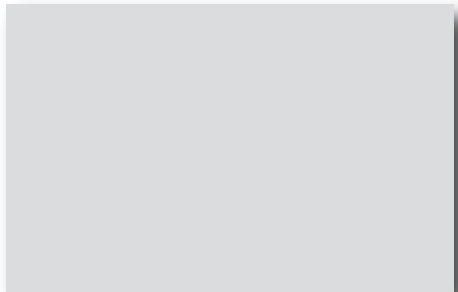
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