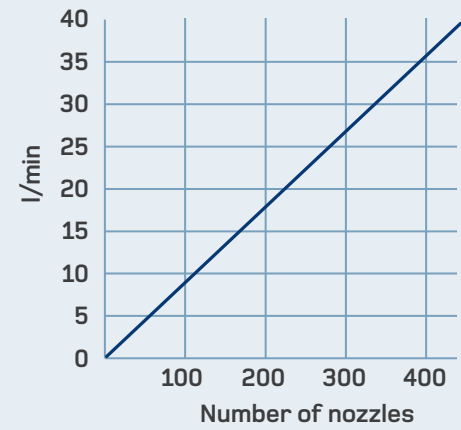


VERSIONS

Pump types and art. no. **NEW Modular design**

Volume*	Pump unit	Pressure relief module	Modules for two house systems	
			without pressure relief	with pressure relief
6 l/min	7211	7113	7114	7115
12 l/min	7212			
21 l/min	7213			
30 l/min	7214			
38 l/min	7215			
max. 15 l/min	7217	-	-	-
max. 25 l/min	7218			

Maximum number of nozzles



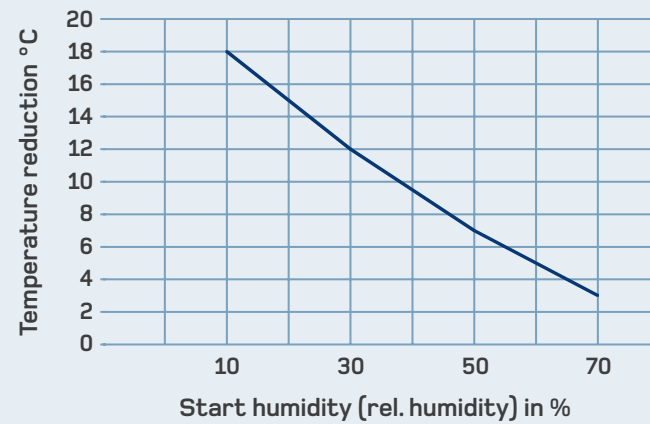
Water flow rate per nozzle at 70 bar: 5.3 liters/hour

*Standard voltage 400 V 50 Hz. Special voltages on request!

CAPACITY

Maximum cooling capacity

Start temperature	36°C	36°C	36°C	36°C
Start humidity	10%	30%	50%	70%
Final temperature	18°C	24°C	29°C	33°C
Final humidity	85%	85%	85%	85%
Cooling capacity	18°C	12°C	7°C	3°C



ADDITIONAL INFORMATION



We would be pleased to provide you with an individual offer free of charge. Important: The design of the LUBING Top-Climate-Systems depends on the size of the barn, the ventilation system and the type of animal. Therefore, please fill out the design questionnaire (also available on the Internet: www.lubing.com) completely before returning it to us. The delivery program for the Top-Climate-Systems includes the various small parts such as installation accessories as well as the switch boxes and controls.



Download questionnaire

SUITABLE COMPLEMENT



HR Pumps

Waste air purification for pig houses

Top-Climate-systems for poultry

LUBING

LUBING Maschinenfabrik GmbH & Co. KG

Lubingstraße 6 · 49406 Barnstorf

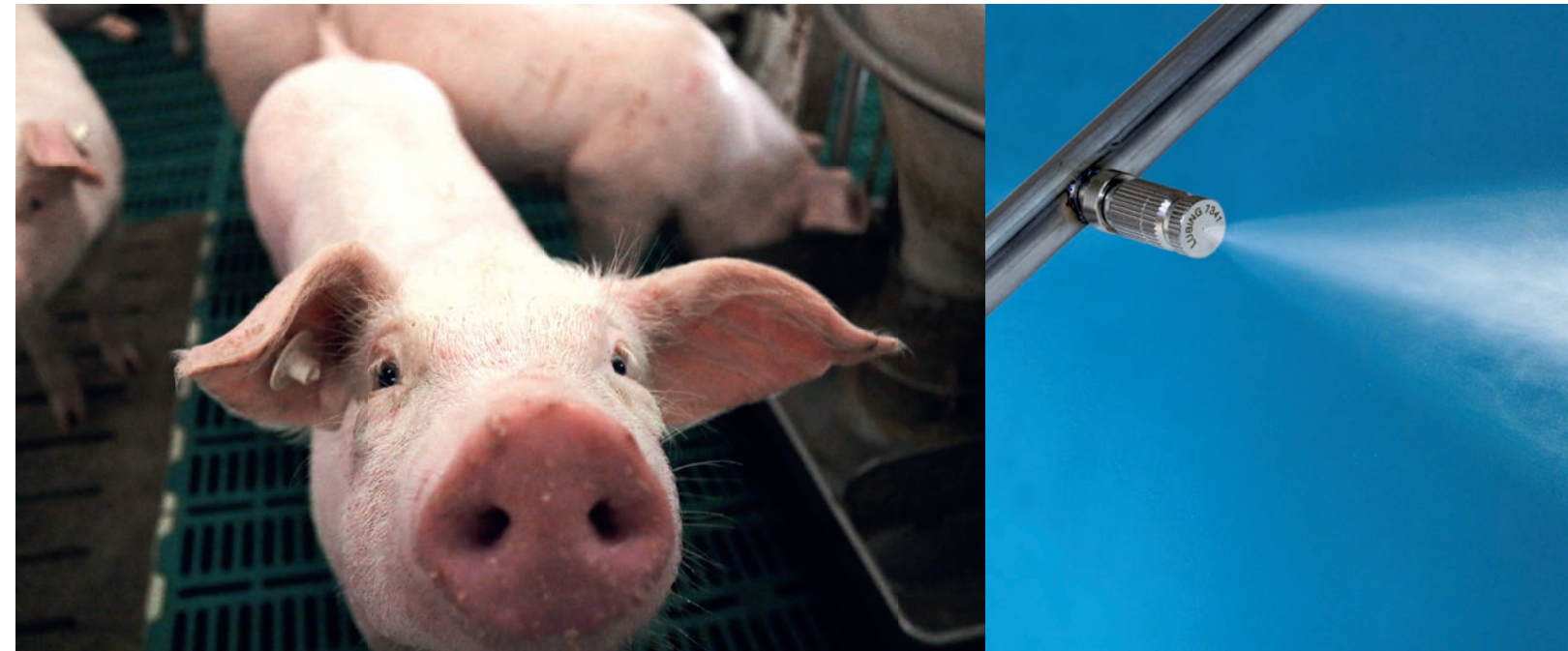
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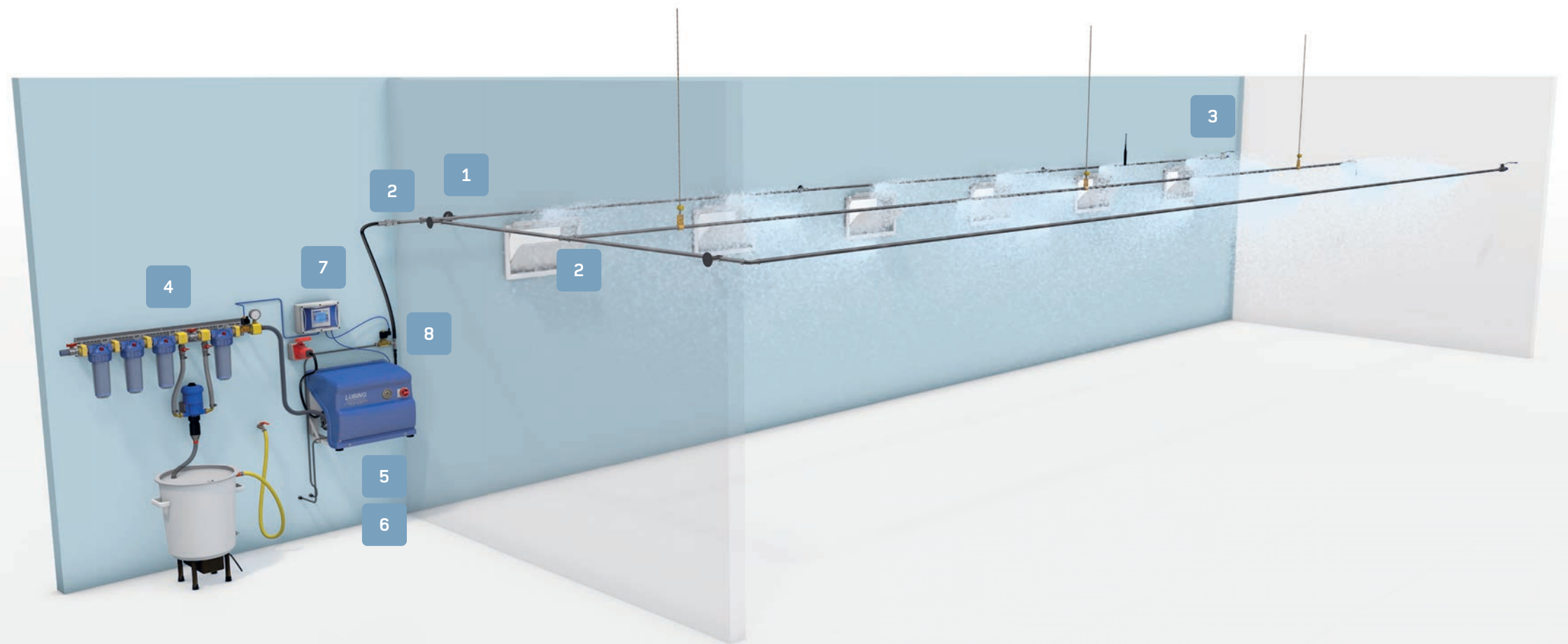
TOP-CLIMATE-SYSTEMS FOR PIGS



LUBING TOP-CLIMATE-SYSTEMS FOR PIGS

The LUBING Top-Climate-System was developed for effective cooling, humidification and cleaning of the house air and has a direct positive effect on animal welfare. It works according to the principle of direct evaporative cooling: With a uniquely high system pressure of 70 bar, the water will atomize particularly finely. The immediate evaporation extracts thermal energy from the house air and cools the ambient air. In addition to regulating the house climate and raising the air humidity, the Top-Climate-System can effectively bind dust and particles in the house air.

LUBING Top Climate Systems work successfully with all available ventilation systems (comb house or a single house). Separate operation of each individual compartment with only one pump unit is possible. This allows house areas to be individually cooled, humidified or soaked.



ADVANTAGES

OF THE TOP-CLIMATE-SYSTEMS FOR PIGS

- 70 bar water pressure: Fast, effective cooling in the house without wetness.
- Raising of humidity to any desired level (greatest comfort between 60 and 70% relative humidity).
- Effective dust binding: Positive influence on the respiratory organs of the animals, less use of medication.
- More active animals due to species-appropriate climate, even at high outside temperatures.
- Better feed conversion. Optimal performance.
- Reduction of aggression, natural animal behavior.
- Individual handling of different animal ages.
- Less sows returning to heat.
- Additional use of the system for soaking and disinfection.
- LUBING medicator for spraying of active solutions (prevention/curing of respiratory diseases).
- Connection via LUBING controls also to other climate computers and thus fully automatic operation of several houses possible.



1 FlexClamp system

- FlexClamp system with stainless steel nozzle and pipe holder



2 Connection solutions

- stainless steel cutting ring coupling for secure connection of the nozzle line
- stainless steel press connection: push on, press on, perfect fit



3 Nozzle line with nozzle

- nozzle line with stainless steel nozzle
- stainless steel pipe with welded adapter and plastic pipe clips



4 Filter unit

- central filter unit also with medication dosing unit
- for spraying of active solutions (prevention/healing of respiratory diseases)



5 Pump unit - D-Line

- pump unit with direct drive
- supply also of several compartments with one pump unit



6 Pump D-Line Vario

- automatic speed control (frequency controlled 7 - 60 Hz)
- automatic adjustment of the flow rate to the required water quantity, also for individual compartments in multi-compartment houses



7 Touch Controller

- interactive controller for control and monitoring of the pump unit
- easy operation via touch screen



8 Valve

- Solenoid valve for separate control of individual compartments in multi-compartment houses

LUBING

Further information under WWW.LUBING.COM