

## Technical data

# LUBING

The Pad-Climate-System is available in following Basic-Sets<sup>1)</sup>:

### For paper pads

Thickness pad	3 m	6 m	12 m	18 m	24 m	30 m	36 m	42 m
4"	7959	7960	7962	7964	7966	7970	7972	7974
6"	7949	7950	7952	7954	7956	7980	7982	7984
Pump	48 03 021		48 03 011			48 03 031		

### For plastic pads

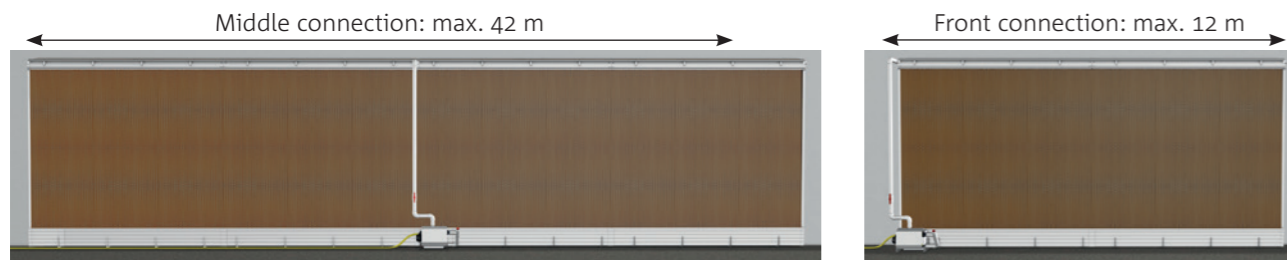
Thickness pad	3 m	6 m	12 m	18 m	24 m
6"	7989	7990	7992	7994	7996
Pump	48 03 021	48 03 011		48 03 031	

### Connection kit<sup>2)</sup>

Thickness pad	5 m
4"	7938
6"	7939

<sup>1)</sup> The Basic-Sets include all necessary components: the water gutter system, the water distribution system and the supply unit, complete assembled.

### Recommended installation:



### Types of pumps



Standard voltage for all pumps is 230 V 50 Hz.  
Special voltage on demand.

### Connection kit



<sup>2)</sup> The connection kits include Ø2" pipes (4 x 2.5 m), holder, straight and 2 x 90 ° angle connectors and connection accessories. Maximum pad length behind connecting kit: 4.5 m for paper pads, 3.0 m for plastic pads.

For further information: [www.lubing.com](http://www.lubing.com)

Technical modifications reserved.

## Pad-Climate-Systems for evaporative cooling



# LUBING

LUBING Maschinenfabrik GmbH & Co. KG

Lubingstraße 6 · 49406 Barnstorf (Germany)  
Tel.: +49 (0) 54 42 - 98 79-0 · Fax: +49 (0) 54 42 - 98 79-33  
[www.lubing.com](http://www.lubing.com) · [info@lubing.com](mailto:info@lubing.com)

Drinking-Systems  
Conveyor-Systems  
Climate-Systems

0842-1 / 06-18 / 250

## for paper and plastic pads

# Pad-Climate-Systems

## The LUBING Pad-Climate-System is made entirely of plastic.

The LUBING evaporative cooling pad system is used in systems where highly efficient cooling is required. It can be used for many different cooling purposes but is particularly suitable for evaporative cooling in poultry houses.

## The evaporative cooling technology

Water is circulated through the system by a pump station and supplied to the top of the cooling pad via a water distribution pipe and the deflector.

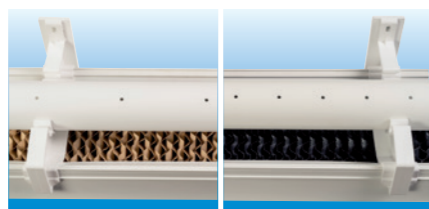
The water flows down the corrugated surface of the evaporative cooling pad. Part of the water is evaporated by the warm and dry air that passes through the pad.

The rest of the water assists in washing the pad, and is drained back to the pump station through a water-gutter system.

The heat that is needed for the evaporation is taken from the air itself. The air that leaves the pad is therefore cooled and humidified simultaneously without any external energy supply for the evaporation process: An entirely natural cooling process is nature's own cooling process.

### Water distribution

With the special designed water distribution pipes for paper and for plastic pads and the newly designed deflector we achieved an optimum water distribution throughout the pads.



### Ball valves

The fine-tuning of the water amount are being made by the 2" ball valve in the water line. The 1" ball valve is used to adjust the permanent water outflow (bleed-off).



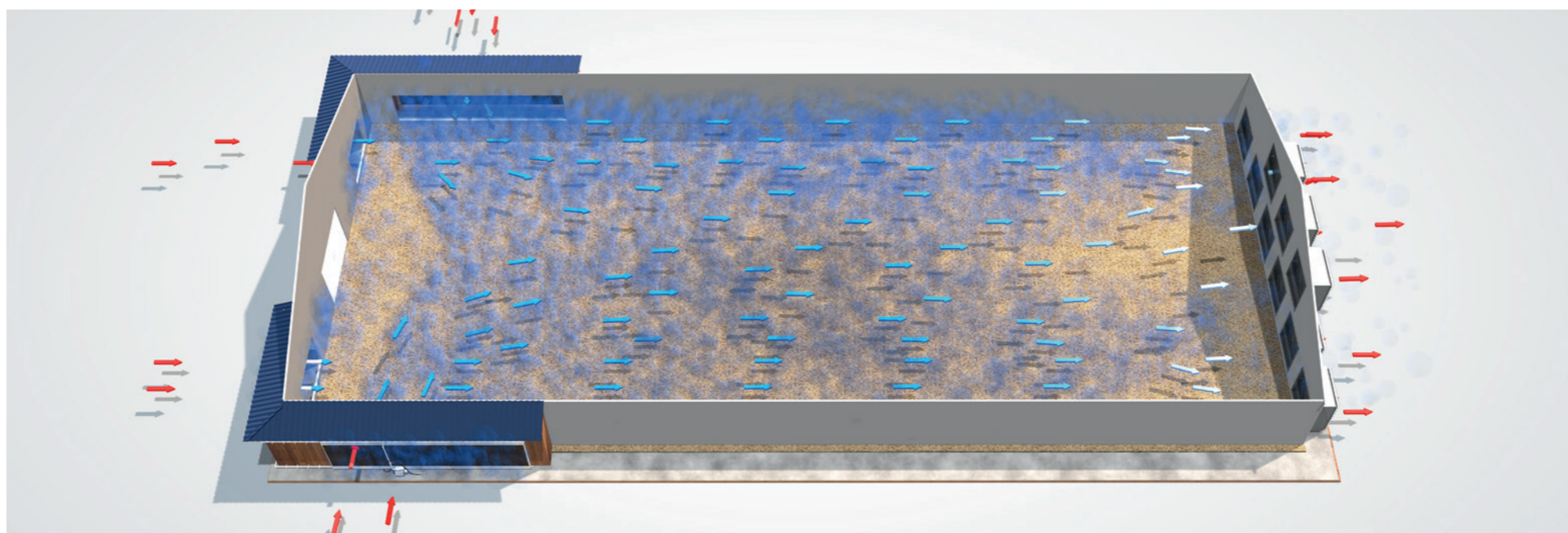
### Pad guide

Good and tight fixing of cooling-pads is achieved by the pad guide. The water distribution pipe can be adjusted for individual water distribution over the pads.



### Clip-function

All profiles are to clip to the Top-bracket. Easy to assemble and disassemble.



### Water gutter

The water gutter contains the entire water requirement of the system. No external water tank is needed. With the brackets, the water gutter is mounted to the wall or the floor.



### Supply unit

The supply unit is delivered completely assembled - including integrated flushing adapter for the thorough flushing of the system. The float valve ensures the supply of fresh water for a constant water level in the system.



### Water-pump

Centrifugal pumps with integrated filter and 2" pipes for optimal water circulation. The pumps are available in three sizes for different system lengths and with different voltages (see reverse).



### Pad support for water gutter

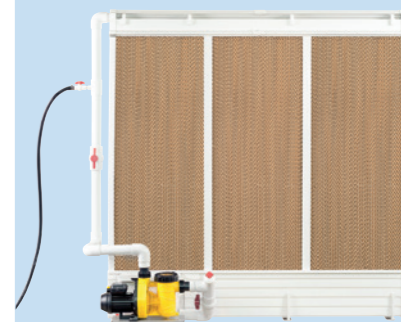
Perfect water-recirculation by the newly designed pad-support. These are designed that rodents could not get into the water gutter.

## Advantages:

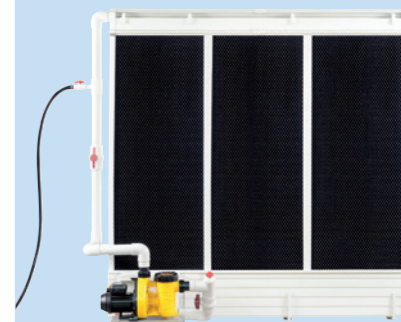
- Easy Assembly due to newly designed Clip-profiles.
- No Corrosion - all parts made from PVC or Stainless steel.
- The water gutter contains the entire water requirement of the system. No external water tank is needed.
- Perfect water distribution along the top edge of the cooling pads due to a the newly developed water-deflector with integrated water-tank in the bottom gutter.



Optimum water distribution throughout the pads



System with paper pads



System with plastic pads