

EAGAN

MANUFACTURING CO., INC.

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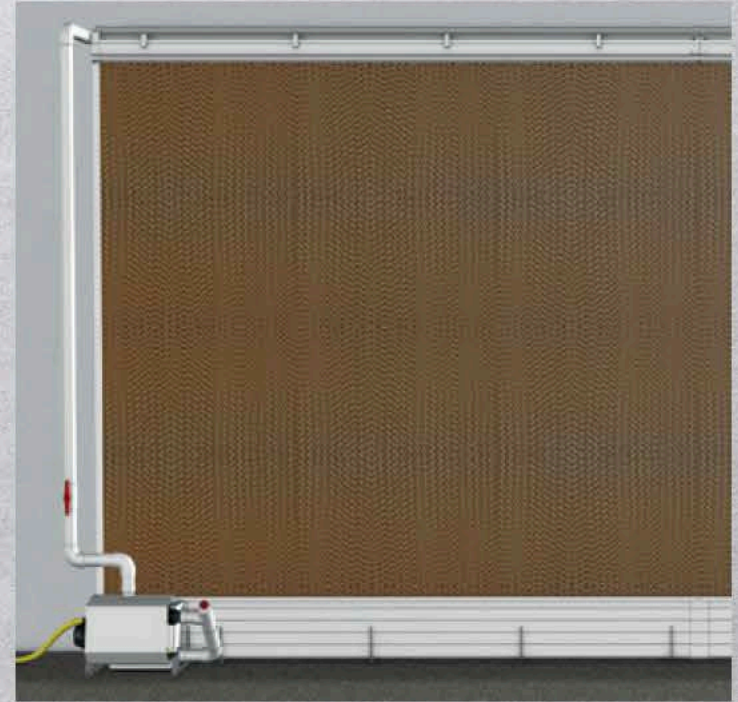
Pad-Climate-System
for evaporative cooling

The Eagan Pad-Climate-System

Being a complete unit with all required parts the Eagan Pad-Climate-System supplies poultry houses, industrial facilities and greenhouses with the climate they need. It is used in areas where highly efficient cooling is required. All parts made of plastic material can be used for various cooling purposes and can be particularly used for evaporative cooling in poultry houses.



The new adjustable deflector spreads the water evenly across the whole Pad.



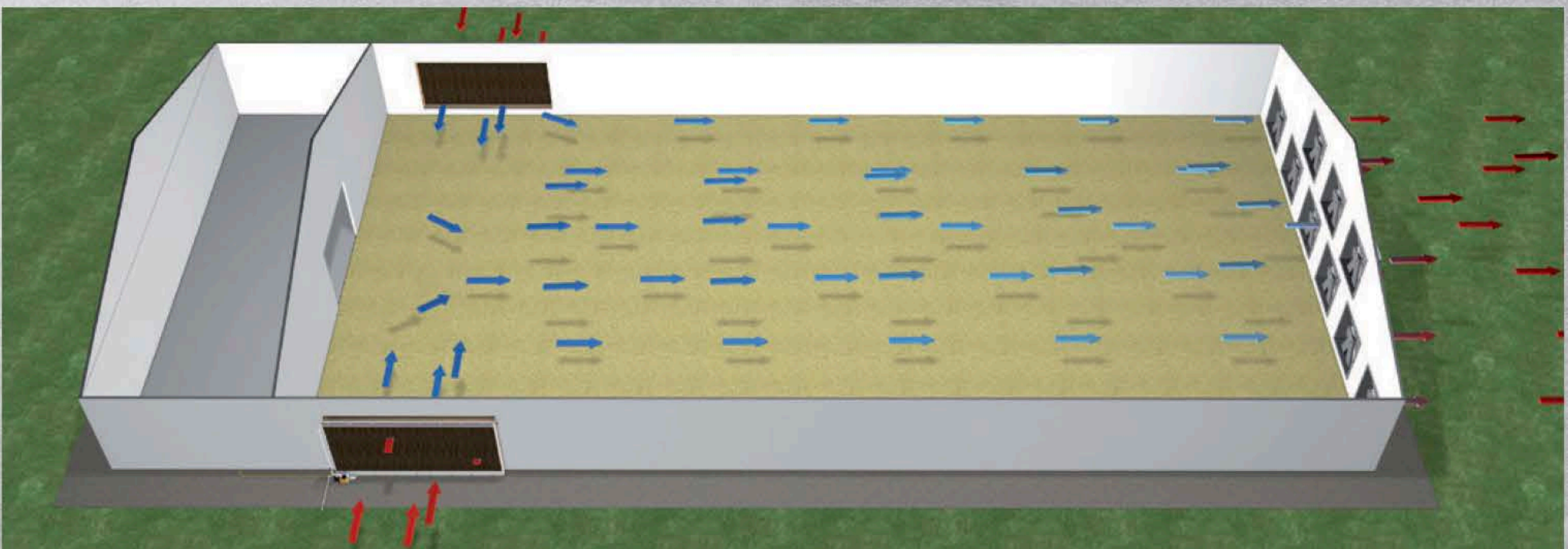
*The system comes as a full set including a pump unit.**

The technology of evaporative cooling

A pump transports water through the system and leads it to the Pads from above via a spray pipe and the deflector. Then the water flows across the rippled surface of the Pads. Some of the water evaporates through the warm and dry air flowing through the Pads.

The remaining water is used for cleaning the Pads and flows back to the supply unit through a water channel system. The thermal energy required for evaporation is taken directly from the air. This is why the air coming from the Pads is cool and moist both at the same

time – without any extra energy supply from outside for the evaporation process: This is how the completely natural cooling effect is generated.



The right system for any barn size and facility: the Eagan Pad-Climate-System is flexible, adjustable and efficient. Durability and easy installation make it your best choice for barns in hot climates.

* Pads are not included.

Your Advantages – From Installation Through To Implementation

The Pad-Climate-System is an excellent, highly flexible solution for efficient evaporative cooling in poultry houses. The system has many advantages including:

- No corrosion. All parts are made of uv-resistant PVC, brackets and screws are made of stainless steel.
- The water gutter contains all the water the system needs. No external water tank is required. The unit has a prefabricated 4" drain cap to make flushing and winterization easy.
- Ideal water distribution across the whole Pad length with the special deflector shape.
- Quick and easy installation.
- The components are completely watertight.
- The newly designed deflector profile with an integrated hinge system allows easy access, quick inspection and easier cleaning.
- Water quantity and distribution can be adjusted by turning the deflector.
- Available for Pad thickness in 4 or 6 inches.
- Well-thought-out and highly stable system components allow for long-lasting deployment without any interruptions.
- Construction flexible in height up to 8' and length up to 140'.

Easy Installation

Gluing surfaces and connecting parts are preformed, allowing easy do-it-yourself installation. It comes with detailed and illustrated instructions. Only the wall brackets contained in the system need to be installed, the major part of the

system is assembled through a clip-on construction or glued together. The overall length of the system can be ordered in various lengths up to a maximum of 140'.



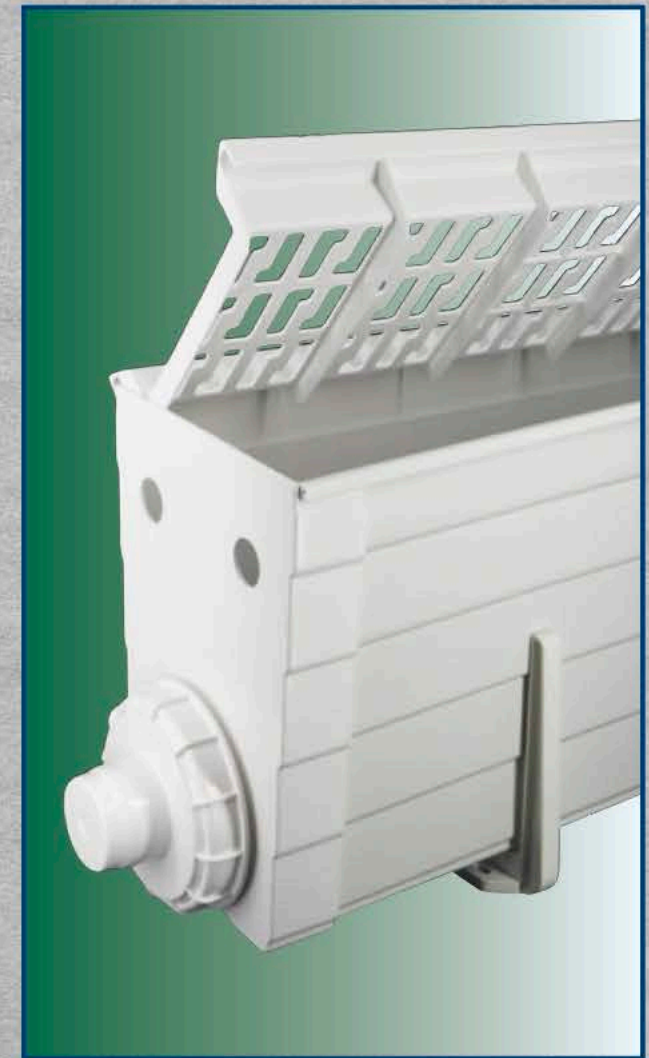
Pad Guidance

The Pad guidance of the individual Pads are held firmly within the system.



Clip-on Function

All profiles can be easily attached to the pipe holder. Easy assembly and disassembly.



Water Supply via the Eagan Deflector

The shape of the deflector guarantees an even distribution of water across the length of the Pad system. Connecting multiple deflectors with each other is done through watertight connectors without the need for tools. By adjusting the deflector the desired amount of water can be controlled very accurately. Upon request wires can be lead into the already prepared holes in the gap between deflector and Pad guidance in order to prevent birds and parasites from nesting inside the system. Various heights can be selected, depending on the birds on site.

The Pump Unit

The newly developed pump unit is the main part of the Eagan Pad-Climate-System. The Pad-Climate-System can be configured with one or two pumps per side. This greatly reduces the potential for bird loss due to pump failure and gives greater operation flexibility.

Technical features:

- fully pre-installed with self-sucking pump with ¾ inch connection and hydro floating valve included.
- suitable for 4 inch as well as for 6 inch Pads.
- integrated filter to keep away dirt.
- Autonomous Pad cleaning cycle with fresh water supply.

The pump unit is installed at the beginning of the assembly process. It can be attached at the middle as well as at the end of the Pad system and comes with all required connectors.



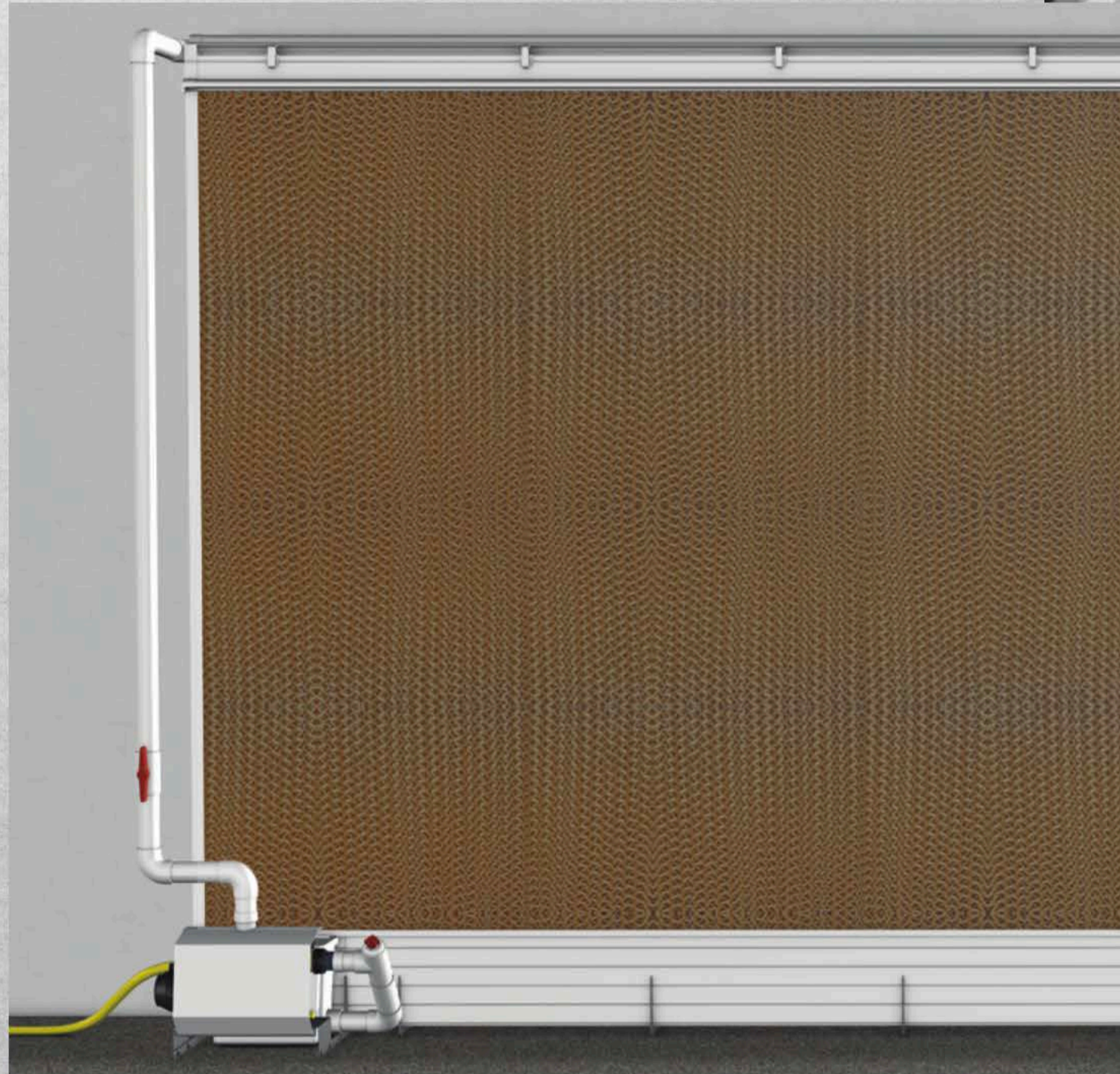
Water Distribution

The deflector profile features an optimized shape for best-possible dripping results. That allows for optimal water distribution across all pads.



Deflector Profile

The newly designed deflector profile with an integrated hinge system allows easy access, quick inspection and easier cleaning.



Pump Unit

Complete with piping accessory as well as console and pump.



Main part of the Pad-Climate System

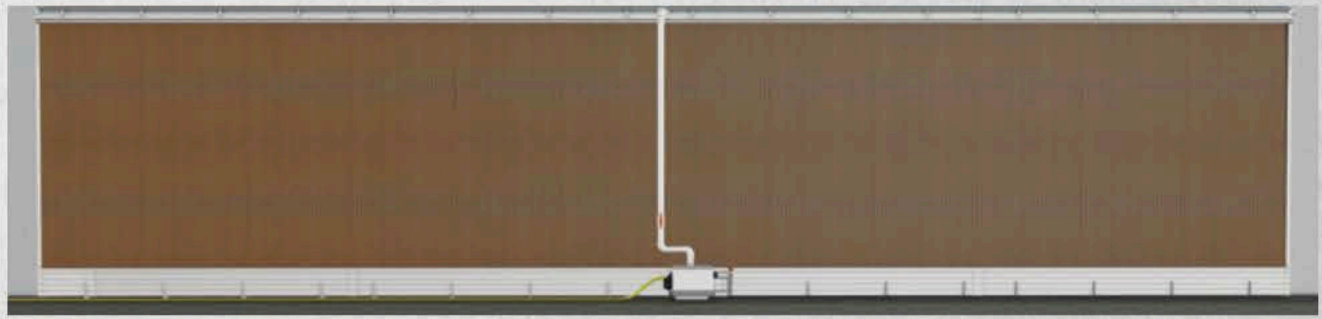
On single pump systems, the centrifugal pump and central water storage element come configured as a single unit. On double pump systems, both the centrifugal pump and central water storage element are included but not configured together.

max. 140'



Easy Control

Water quantity and distribution can be adjusted by turning the deflector.



Connection in the Middle

Depending on the layout and length, the pump unit can be attached in the middle or at the side.

max. 60'



Connection at the Side

Water Tank

The water tank contains all the water required for the system – no extra water tanks are needed. The covering of the water channel (4 inch and 6 inch) keeps the system free from vermin and prevents the whole system and the pump unit from getting contaminated. Apart from that, the gluing of the water channel components by leaving out the gaskets makes the Pad-Climate-System watertight.



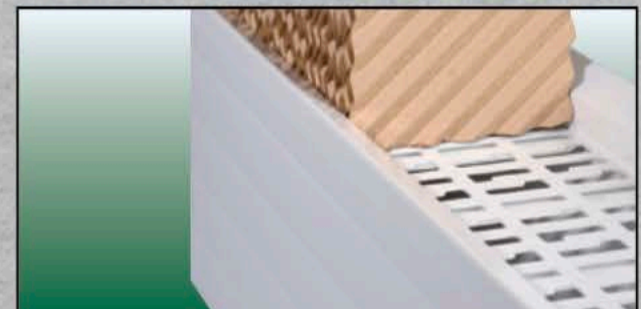
Cleaning Cycle

Via the extra $\frac{3}{4}$ inch connector the cleaning cycle can be controlled independently.



Water Storage Unit

The water channel and the storage unit contains all the water the system needs. No outside water tank is required. The tank has a prefabricated 4" drain cap to make flushing and winterization easy.



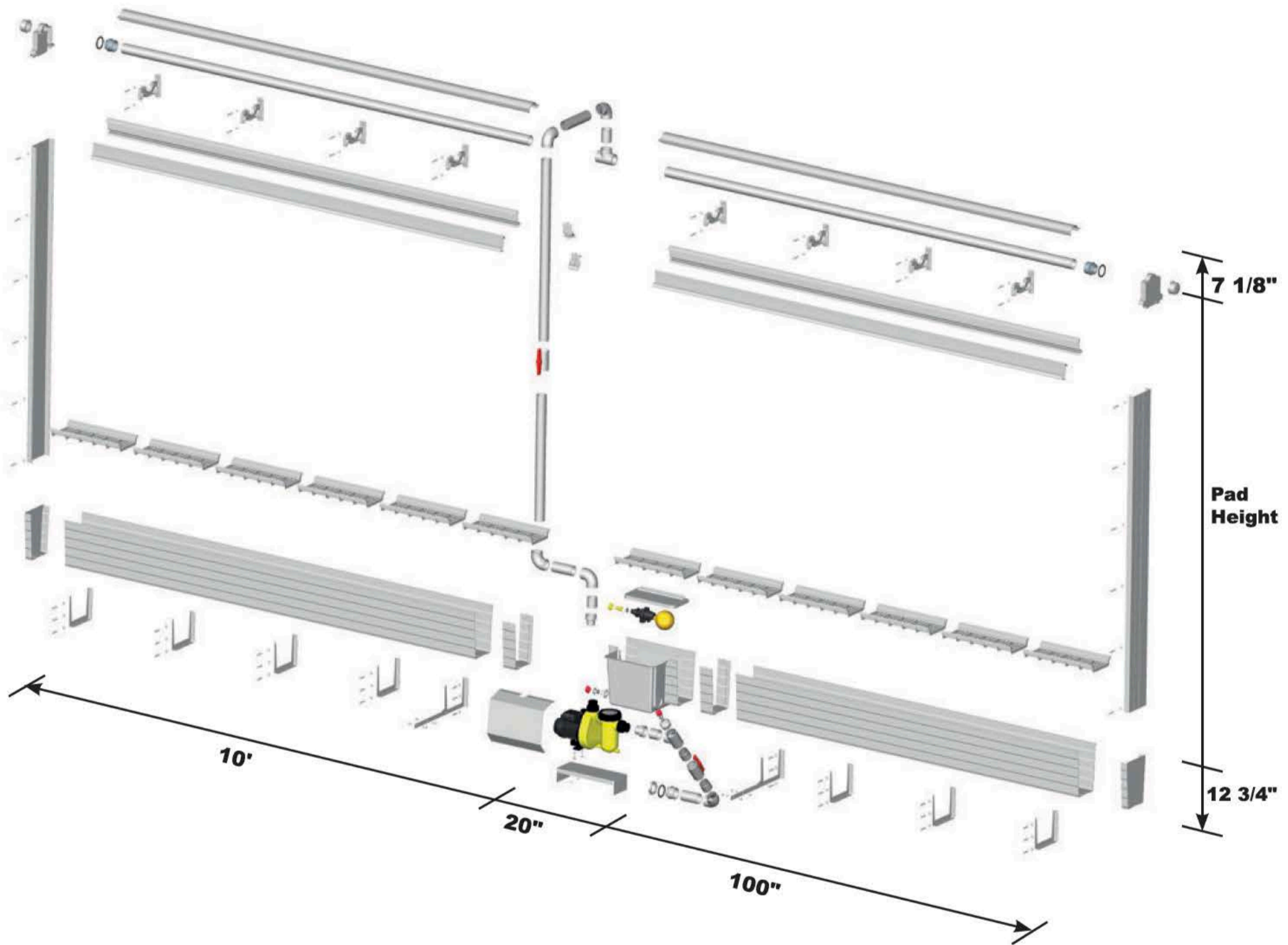
Lids for the Water Storage Unit

Perfect water returns to the newly designed Pad lids. The lids also prevent mice and rats intruding the system.

Technical data

The system is available in the following versions:

- 10, 20, 40, 60, 80, 100, 120, 140 ft.
- various pumps: 1x230V 60Hz
3x230/400V 60Hz



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