

CLIMATE SYSTEM SOLUTIONS



VENTILATION



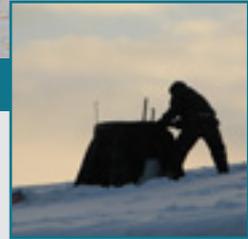
HEATING



COOLING



SUPPORT



Your expert for climate system solutions in livestock houses

Do you make highest demands on the quality, efficiency and reliability of air-conditioning systems in livestock farms?

Then you are just in the right hands!

We have decades of first-hand experience in the field of climate control in livestock houses and consult you professionally on the newest technology in this area.

As our customer, you are always at the heart of our entrepreneurial activities – it is therefore of particular importance for us to fulfil your individual expectations and to adjust our products to your requirements!

In our in-house mould construction department, we process polyurethane, poly-concrete, synthetics and metallic materials, amongst others, – with the most modern machines. That way we are able to respond to your queries immediately and flexibly.

“Everything from one source” – this is the guiding principle of HSI Kunststofftechnik.

We provide our products as complete, easy to install modular construction systems. In this way we guarantee compatibility and a fitting accuracy among the modular parts.

Just contact us and let us jointly find out what we can do for you!



Your contact persons:

Just give us a call and we will be pleased to advise you professionally.

Martin Soethe

Phone: +49 (0) 25 55 / 99 70 9 – 17
m.soethe@hsi-kunststofftechnik.de

Kay Heinker

Phone: +49 (0) 25 55 / 99 70 9 – 16
k.heinker@hsi-kunststofftechnik.de



EXHAUST-AIR SYSTEM

GOOD AIR-CONDITIONING GUARANTEED

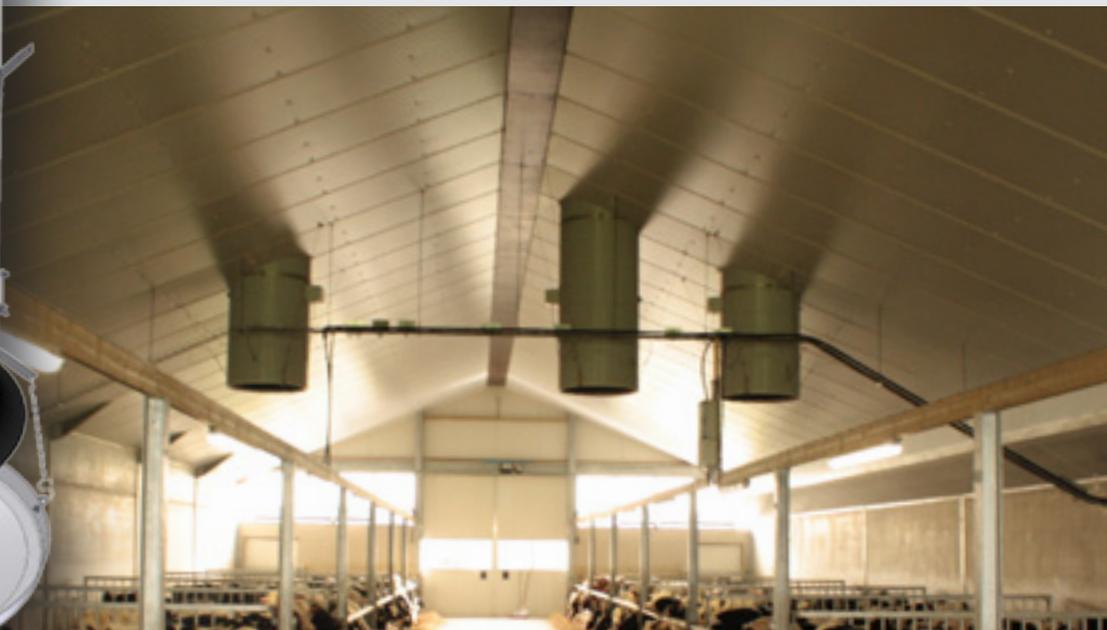
System sizes:

Ø 37, Ø 42, Ø 47, Ø 52, Ø 58, Ø 65, Ø 73,
Ø 82, Ø 92, Ø 100, Ø 113 and Ø 125 cm

The right exhaust technology is an important part of the ventilation system. In summer, it has the task of discharging the excess heat. In winter, water vapor and gaseous pollutants have to be exhausted without heat loss.

The ventilation pipes by HSI, made from fiberglass-coated polyurethane foam, meet these requirements ideally and perform their tasks even in extreme weather conditions!

Quality and a complete delivery range distinguish us. That is why our product range includes all needed fastening and accessory parts for the ventilation pipes.





INTAKE AIR DISTRIBUTOR

TECHNOLOGY WITH FEEL-GOOD FACTOR

System sizes:

Ø 65, Ø 73, Ø 82 and Ø 92 cm

The right intake-air technology is attributed a great importance as well. The main task here is to ensure the animals an even fresh-air supply at appropriate temperatures.

Thanks to their versatility, our patented air-distributor systems easily meet the increasingly complex demands on the intake-air technology even with large temperature gradients.

Here as well, HSI is represented with a wide product range and all needed fastening and accessory parts!





FRESH-AIR INLETS

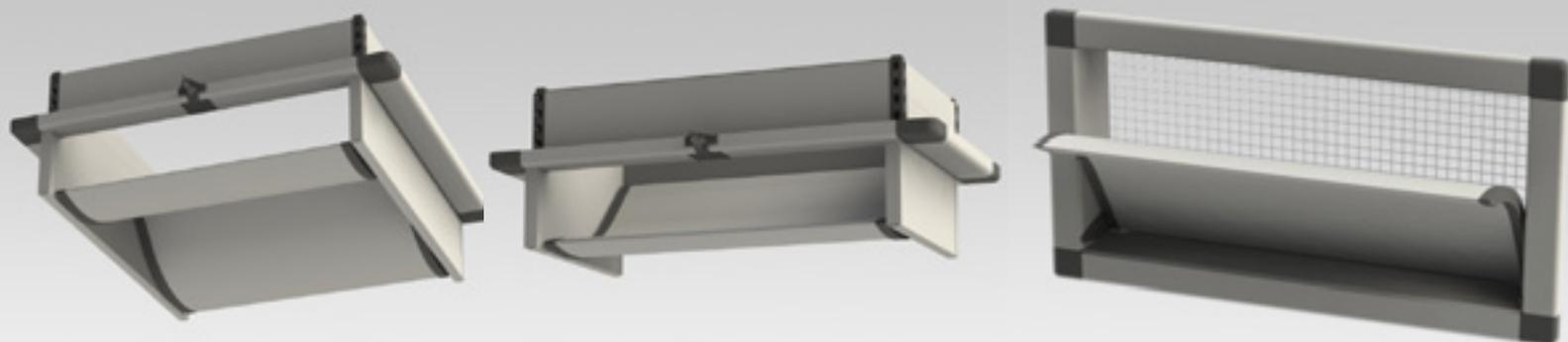
MORE COMFORT WITH HSI

Fresh-air inlets

The fresh-air inlets by HSI perfectly serve a quantity-controlled and aim-directed fresh air supply into the building. Depending on the ventilation type, the inlets are installed in walls or ceilings; they are dimensioned according to customer requirements. This way, the air inlets meet the diverse demands on the ventilation system.

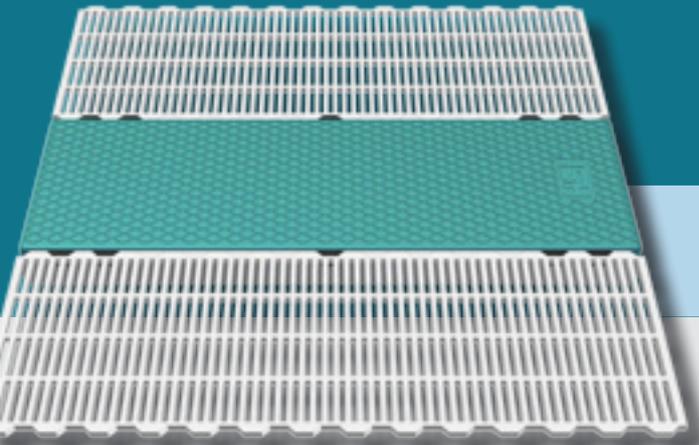
The inlets are made of PVC and are characterised by a multi-chamber system and insulated flap. In this way, they not only retain their full functionality at sub-zero temperatures, but also allow for easy cleaning and disinfecting.

We offer a wide range of accessory parts, including drive technology and diverter pulleys.





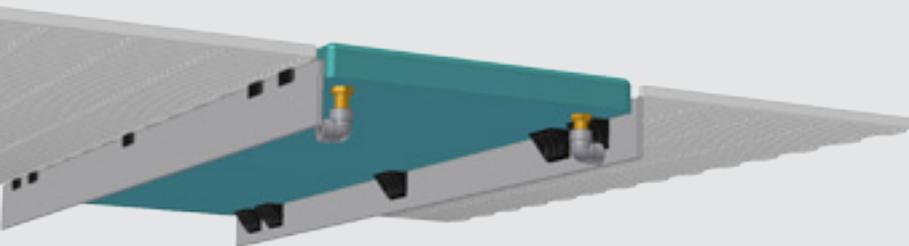
HEATING



PLEASANT TEMPERATURES

Heating plates for farrows / weaners:

The heating plates provide for an even distribution of warmth inside the farrow nest. Here as well, we offer a wide product range with currently 16 different sizes in 3 different designs for laying-in or laying-on the grating, made from plastic or polymer concrete.



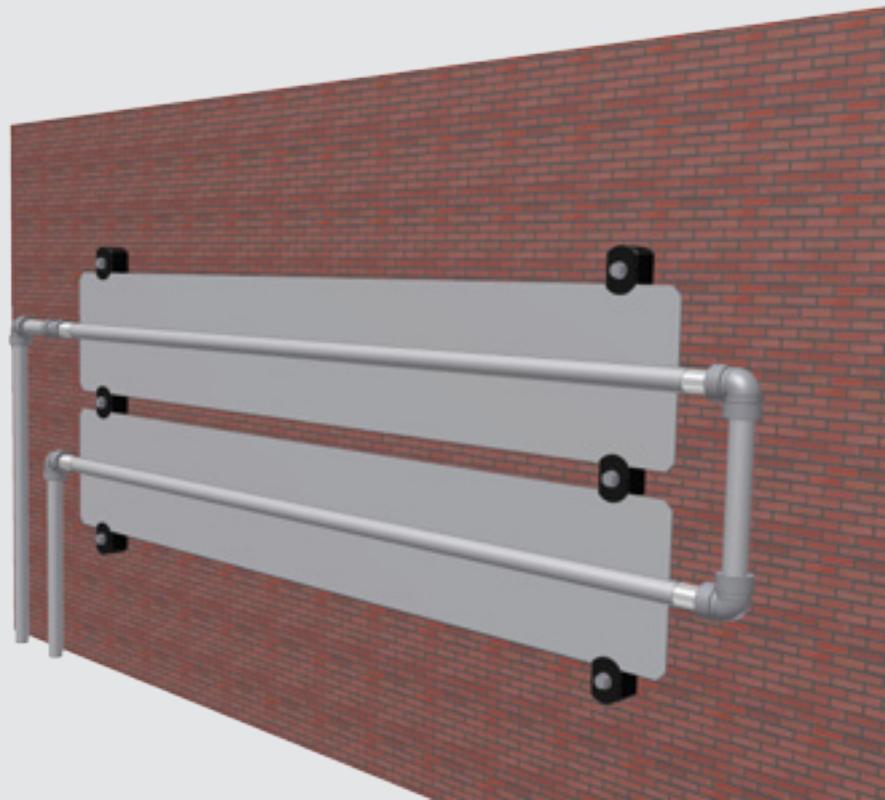
Advantages of our heating plates:

- long economic life-time
- extensive range of dimensions
- large accessory products range
- can be installed in any standard steel grating
- diffusion resistant
- available with and without insulation

Twin-pipes

An even and pleasing warmth is ensured by our twin-pipe system. It provides a heat emission of approx. 230 Watt per running meter. The system is completely maintenance-free and easy to retrofit in existing livestock houses.

Moreover, due to smooth surface of the plate fins, the twin-pipes can be cleaned easily!





COOLING

INNOVATIONS FOR FRESH AIR



Cooling element Cool-X

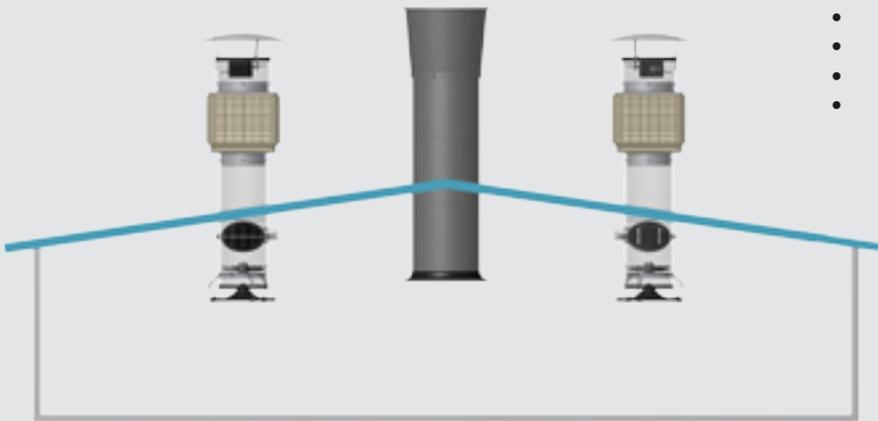
The cooling element „Cool-X“ is an ideal supplementation to the intake-air system in buildings which are placed in particularly hot regions. Here, the hot outside air is cooled by the „cooling pads“ and conducted inside the building.

The system „Cool-X“ is applicable both as a fresh-air cooling system in summer, as well as an intake-air system in winter.

Moreover, it can be used in agricultural as well as industrial buildings, such as for instance poultry and piggeries, dairy farms and milking parlours, slaughterhouses and vegetable and fruit stocks.

Advantages

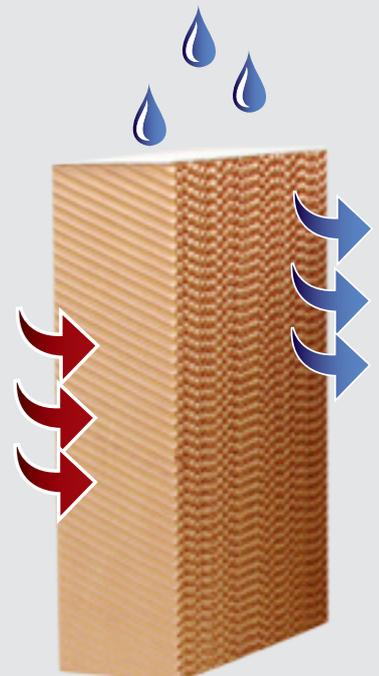
- ecologically friendly: water as cooling medium
- applicable with any ventilation type
- low power consumption
- low water consumption
- installation possible in walls and roofs
- low noise level
- low maintenance



Mode of operation

The cooling principle of the „Cool-X“ is based on the natural phenomenon of water evaporation by means of heat energy.

Using a spraying circulation, the lamellae of the „cooling pads“ are watered. The hot outside air is lead inside the building by passing the „cooling pads“. By doing so, the air is cooled as the water film on the pads absorbs the heat and evaporates.





HSI Kunststofftechnik GmbH

Steinfurter Straße 22
48624 Schöppingen
GERMANY

Phone: +49 (0) 2555 99 709 0
Fax: +49 (0) 2555 99 709 29
info@hsi-kunststofftechnik.de
www.hsi-kunststofftechnik.de

Interested?

We are looking forward to your request!

www.hsi-kunststofftechnik.de