



SAVE ON YOUR ENERGY COSTS

IMPROVE YOUR SHED CLIMATE

THE **SWITCHSUPERIOR®** COMPACT HEAT EXCHANGER

**CREATING PERFORMANCE
ENHANCING CLIMATES**

SAVE ENERGY WHILST CREATING A **HEALTHY** POULTRY HOUSE CLIMATE

PLUG & PLAY HEAT EXCHANGER

Saving energy and optimising the climate inside a poultry house are top priorities for every poultry farmer. Temperature and ventilation play a big part in the ideal circumstances for poultry to perform. The SwitchSuperior® Compact Heat Exchanger takes polluted, CO₂-rich air from the poultry house, and exchanges this for fresh, O₂-rich air. The built-in exchanger block takes heat from the outgoing air to warm the fresh incoming air, which substantially improves the poultry house climate.

Because you will need less heating for the incoming air, using the compact heat exchanger can save up to 80% on your energy consumption. The dry, warm, incoming air, results in dryer litter and therefore less foot sole problems. The poultry house will have a healthier climate because of the significantly lower ammonia, dust and odour-levels.

The SwitchSuperior® by Multiheat is the first top-quality Compact Heat Exchanger in the poultry sector. Using the latest fabrication technologies, the exchanger block is made of high-end coated aluminum and has an outstanding heat-exchanging capacity. The powerful fans provide the perfect airflow. The housing of the SwitchSuperior® is made of insulated polyester panels, which are durable, easy to clean and can't corrode.

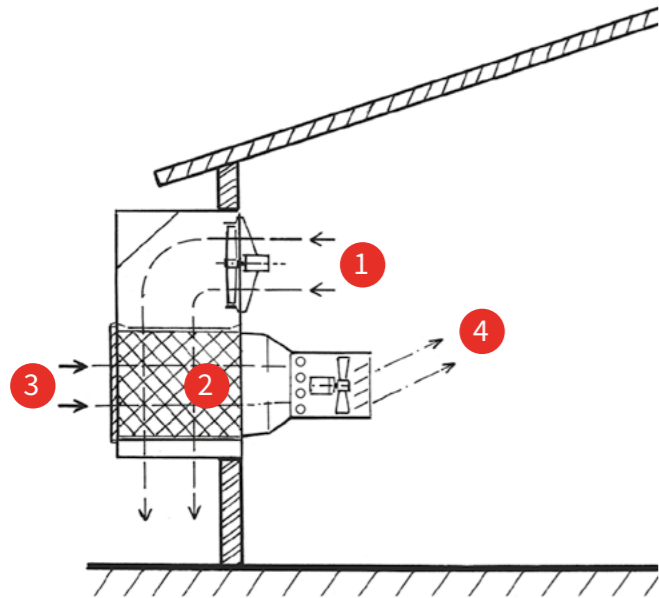
- Available in 2,500 m³/h (1,470 cfm), 5,000 m³/h (2,940 cfm) and 9,000 m³/h (5,300 cfm)
- Various versions for broiler, rearing, layers and parent stock
- Heat recovery efficiency up to 80%
- Stainless steel air supply unit with adjustable louvres
- Compact unit size
- Easy to install (and add to existing ventilation system)
- Easy to operate using the existing climate computer, or with our X-Control computer
- Low maintenance, easy to clean and disinfect

KEEP THE HEAT INSIDE YOUR SHED:
**SAVE DIRECTLY ON ENERGY COSTS
AND IMPROVE YOUR SHED CLIMATE**



HOW IT WORKS

1. Warm, polluted air is taken out of the poultry house by the fan
2. This warm air heats up the exchanger block
3. Cold, fresh outside air is drawn through the warm exchanger block
4. Heated outside air is blown into the poultry house



OUR EXPERTS HELP

Your success is our success, so we only benefit from the best use of our products. Our experts will help you to make the most of the SwitchSuperior®. Depending on the poultry house size, number of animals and their weight, we can calculate the number of heat exchangers needed for the best results.



OPTIONS

ADJUSTABLE LOUVRES

This optional valve set has been developed for different purposes; First of all, the SwitchSuperior® is closed as soon as the unit is not in operation, for example while heating the stable. Also, no unwanted cold air enters through the SwitchSuperior® if it is not in use for a certain period. The valve for the supply air can also be opened automatically by means of 0-10V to the desired position, for example at 20% at the beginning of the flock. However, the supply fan can run faster to achieve good air throw, because warm stable air is drawn in through the holes in the air supply unit. In this way, the heated fresh air can be properly distributed in the stable from the start of the round, without disturbing the animals.



EC FANS

With the optional 0-10V EC fans, the SwitchSuperior® becomes even more energy efficient, and is even easier to connect. The 0-10V signal is sent directly to the fans from the climate computer or the optional X-Control computer, without the need for frequency controllers to be installed.



CLIMATE COMPUTER

If there is a climate computer with a 0-10V output, but no heat exchanger program is integrated, the X-Control computer is the solution. This controller is equipped with a ventilation curve that can be adjusted at your own discretion. If there is no climate computer with a 0-10V output, the X-Control unit can also operate as a stand-alone controller. After installing the 3 supplied temperature sensors, you can now read the efficiency in %, the minimum and maximum ventilation levels, and the current heat recovery in kWh.



TECHNICAL DATA

SwitchSuperior® **WTW-2500**

Heat recovery efficiency: up to 80%

Air capacity: 2,500m³/h (1,470 cfm)

2x fan ø 35 cm (13")

l x w x h = 518 x 822 x 1,231 mm (excl. air supply unit)

Weight: 90 kg

l x w x h = 20" x 32" x 48" (excl. air supply unit)

Weight: 198 lb

SwitchSuperior® **WTW-9000**

Heat recovery efficiency: up to 80%

Air capacity: 9,000m³/h (5,300 cfm)

1x fan ø 63 cm (24") / 1x fan ø 56 cm (22")

l x w x h = 1,089 x 1,118 x 2,101 mm (excl. air supply unit)

Weight: 253 kg

l x w x h = 43" x 44" x 83" (excl. air supply unit)

Weight: 558 lb

SwitchSuperior® **WTW-5000**

Heat recovery efficiency: up to 80%

Air capacity: 5,000m³/h (2,940 cfm)

2x fan ø 50 cm (20")

l x w x h = 789 x 818 x 1,751 mm (excl. air supply unit)

Weight: 174 kg

l x w x h = 31" x 32" x 69" (excl. air supply unit)

Weight: 383 lb

All parts and components
are of industrial class

These standard fans can also be
optionally replaced by EC fans for even
easier control and even lower energy
consumption

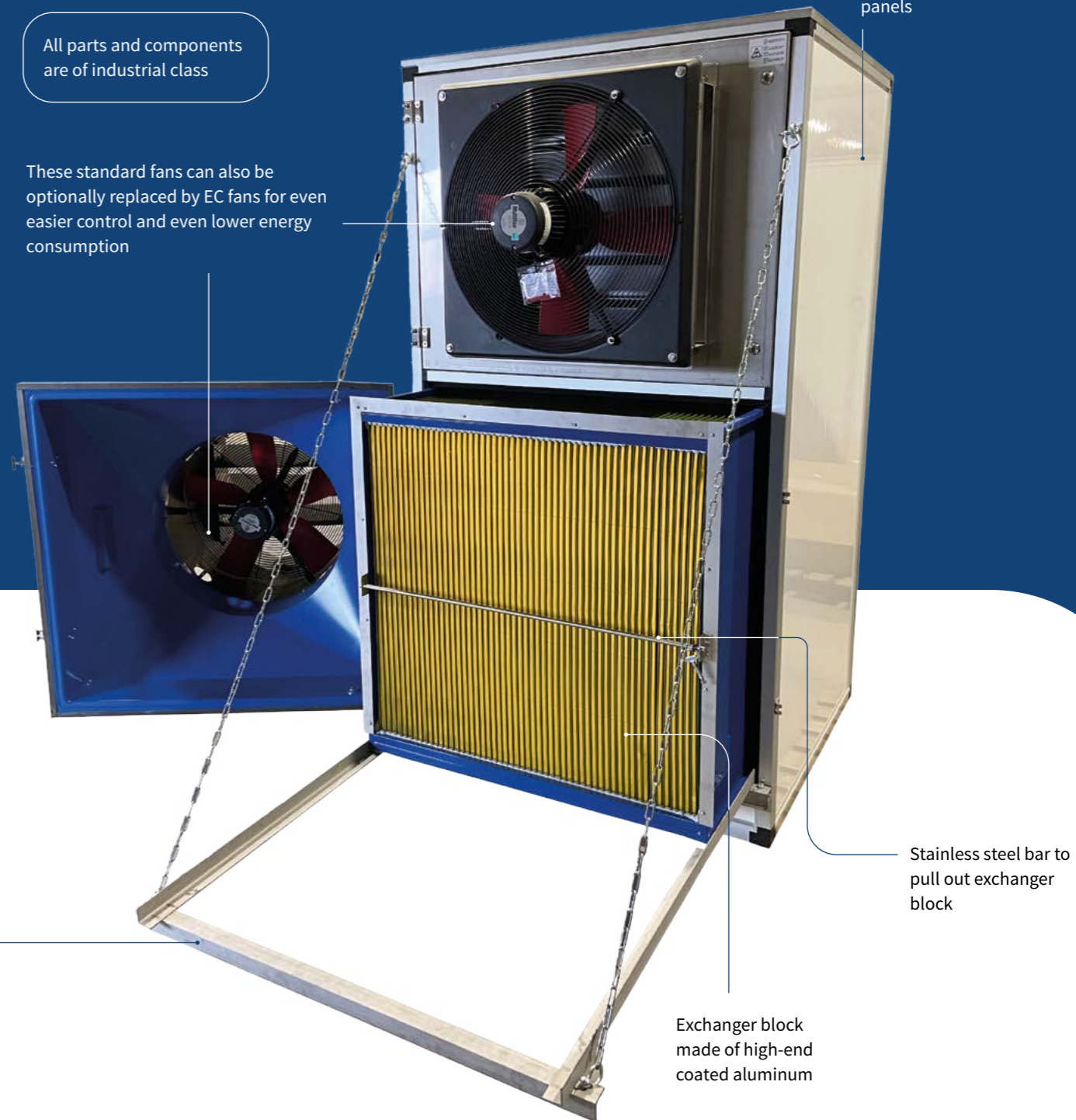
FRAME FOR EASY CLEANING OF EXCHANGER BLOCK

Optionally, the exchanger block can
also be cleaned from the outside of the
house, by using a stainless steel frame.
This can be very useful for rearing, layers
and parent stock, where flocks are long.

Insulated polyester
panels

Stainless steel bar to
pull out exchanger
block

Exchanger block
made of high-end
coated aluminum





Multiheat International is a well-established designer and manufacturer of warm water heaters, heat exchangers and indirect fired gas heaters, serving thousands of pig and poultry farmers all over the world. We pride ourselves in outstanding customer service, top quality and market leading products.

Please contact us as our staff is happy to explain you all the ins and outs of our products.

MULTIHEAT
made by farmers, for farmers

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