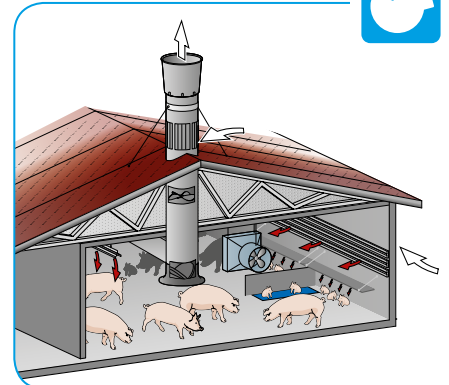




»Heat-X« Water-air heat exchanger from 30 to 95 kW

at 20° / 68° F room temperature – Heating without CO₂ production in the pig house



ADVANTAGES

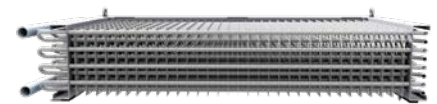
- Resistant lamella – easy to clean



- Stainless steel pipe system

- Universal applicability: Horizontal and vertical air guidance

- **ZIEHL-ABEGG** Fan
Durable and efficient



Sectional view heat exchanger unit

The »Heat-X« air-water-heat exchangers are amongst the most powerful on the market. When compared with similar devices Reventa® has succeeded in halving the power consumption with the same heating capacity. Thus the »Heat-X« heat exchangers are the perfect choice for using the exhaust heat from biogas plants or CHP plants.

Hot-water driven heat exchangers are always advantageous compared to gas canons because they do not burn oxygen and produce CO₂ and water vapour in the stable during heat generation.

The Reventa® heat exchangers are available in many different configurations – vertical / horizontal / sucking / blowing as well »Heat-X« compact. As such they fulfil numerous requirements. Flexible fastening options facilitate variable application within the stable. A connection set for the heat exchanger completes the product range.

Easy cleaning at the end of the cycle is possible due to the optimum lamella spacing on the heat exchanger. The complete heat exchanger range »Heat-X« impresses with its energy efficiency.

»Heat-X« heating capacity

Capacity at 20 °C / 68 °F room temperature.
Supply / return temperature 80/60 °C (176/140 °F)

Capacity	30 kW 100,000 Btu	50 kW 170,000 Btu	95 kW 325,000 Btu
Fan performance	3.000 m ³ /h 1,800 cfm	5.000 m ³ /h 3,000 cfm	7.500 m ³ /h 4,500 cfm

»Heat-X« horizontal installation



»Heat-X« on a mobile unit



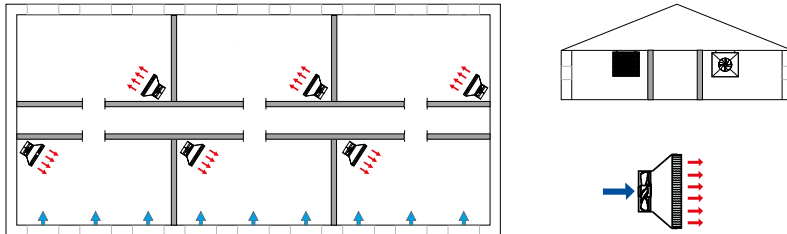
The alternative: »Heat-X« compact





»Heat-X«® Water-air heat exchanger

Type H: Horizontal installation



Ingested air is pressed through the exchanger. Thereby low air velocities are generated. Ideal for heating in ante-rooms and small cabins.

The heat exchanger is very robust, as it is manufactured exclusively from noncorroding stainless steel or plastic materials with smooth surfaces, which are easy to clean.

Installation horizontale	Type 2 H	Type 3 H	Type 4 H
Fan capacity	3.000 m ³ /h 1,800 cfm	5.000 m ³ /h 3,000 cfm	7.500 m ³ /h 4,500 cfm
Fan connected load	400V; 0.75A; 350W	400V; 1.1A; 530W	400V; 1.25A; 630W
Fan type	M450-ST-D4-4	M500-ST-D4	M630-FN-D6
Fan Ø	450 mm 17.7 inch	500 mm 19.7 inch	630 mm 24.8 inch
Air intake/capacity	20 °C / ~ 30 kW 68 °F / 100,000 Btu	20 °C / ~ 50 kW 68 °F / 170,000 Btu	20 °C / ~ 95 kW 68 °F / 325,000 Btu
Heating medium flow and return temp.	80/60 °C 176 / 140 °F	80/60 °C 176 / 140 °F	80/60 °C 176 / 140 °F
Water pressure drop	0,24 bar 3.48 psi	0,34 bar 4.93 psi	0,25 bar 3.62 psi
Water flow-through	1,10 m ³ /h 0.64 cfm	1,76 m ³ /h 1.03 cfm	3,36 m ³ /h 1.97 cfm
Heat exchanger dimens. HxWxD horizontal	700 x 760 x 766 mm 28 x 28 x 30 inch	800 x 964 x 996 mm 32 x 38 x 39 inch	1.025 x 1.197 x 1.095* mm 40 x 45 x 43* inch
Pipe thread connection	3/4"	3/4"	1"
Pipe thread connection**	ca. 30 m	ca. 45 m	ca. 45 m

*Measured up to pipe connection **throwing ranges are circa-data depending on circumstances of the ambient temperature without consideration of built-in components.

»Heat-X«® compact heat exchanger



Heat exchanger »Heat-X«® compact with 15 kW / 50,000 Btu (approx. 25 kg). An optimised pre-heating of air is possible in small sections as a result of the compact construction. The product is easy to handle and compact which allows also a flexible usage in operation as warm water heating canon. The piping system is made of stainless steel and the exchanger lamella are very strong.

»Heat-X«® compact is also available with plug-in coupling for comfortable handling and a even more flexible utilization. The corresponding dust cover avoids the pollution of the plug-in coupling.

»Heat-X«® compact heat exchanger technical data

»Heat-X«® compact		Typ 1 H/C
Fan capacity	m ³ /h cfm	1,500 m ³ /h 880 cfm
Fan connected load		230V; 1.25A; 170W
Air intake/capacity	°C / kW °F / Btu	20 °C / ~ 20 kW 68 °F / 50,000 Btu
Heating medium flow and return temp.	°C °F	80 / 60 °C 176 / 140 °F
Water pressure drop	bar psi	0,034 bar 0,5 psi
Water flow-through	m ³ /h cfm	0.62 m ³ /h 0,35 cfm
Heat exchanger dimens. LxWx H	mm inch	1,065 x 485 x 475 mm 42 X 19,5 X 19
Pipe thread connection		1/2"



now even more versatile with plug-in couplings

Do you have any questions or do you require advice concerning your own projects? – We shall be happy to assist you: