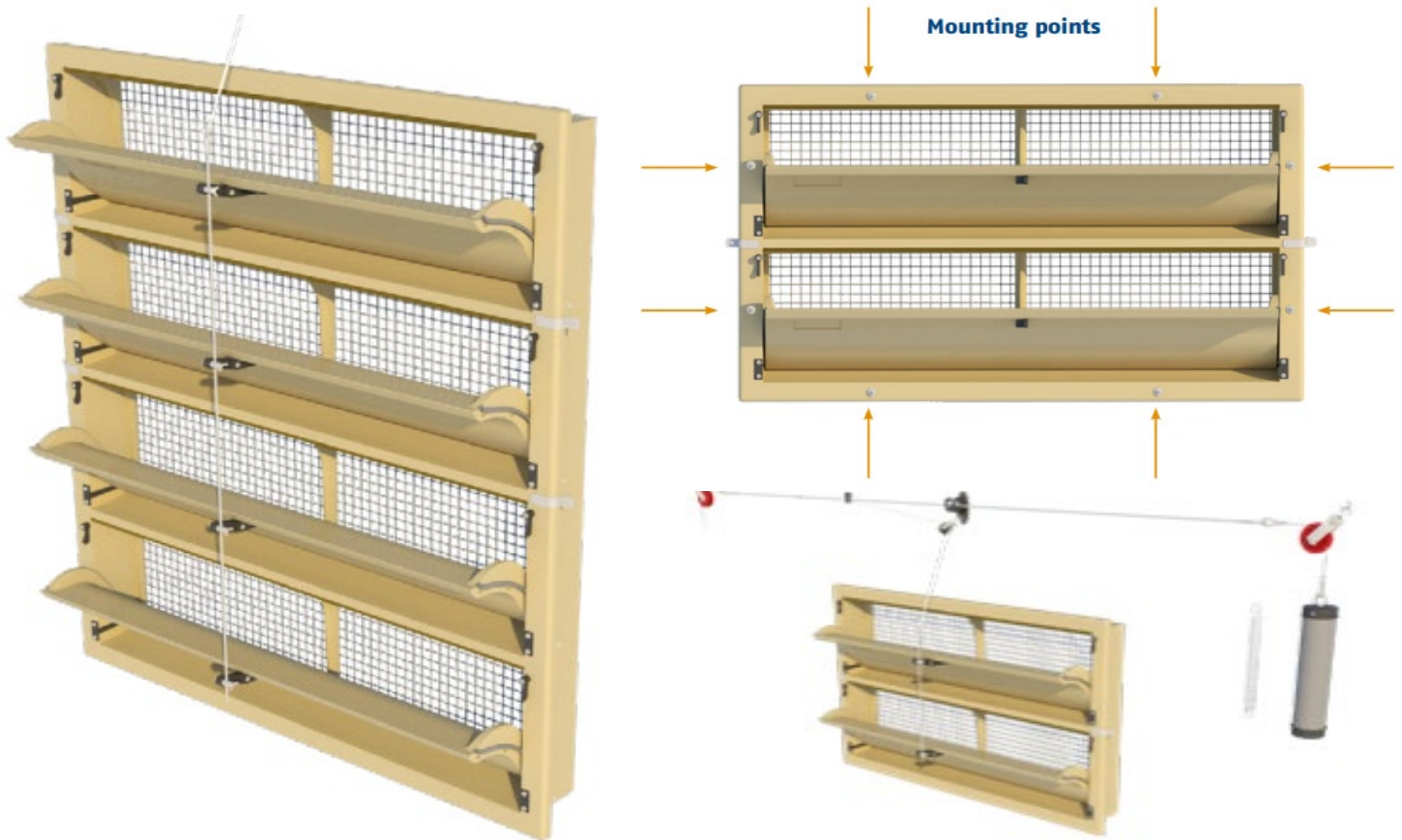


TPI VENTUM TUNNEL INLET

Tunnel ventilation is mostly used in combination with other ventilation concepts. This concept is perfect for cooling birds during hot summer days or when approaching max weight.

The dimensions of the Ventum are more universal making it easily usable in renovation projects where existing inlets need replacement. This inlet is suitable mostly for poultry houses since the curved inner valve helps to guide air downwards to the birds during maximum ventilation. The valve and frame of this inlet is equipped with wear resistant stripping all around to prevent air leakage and the curved inner corners of the frame help to optimize air intake. The unique polyurethane formula and the use of air seals assures optimum insulation making the inlet ideal for extremely low temperatures



PART #	DESCRIPTION
E65-3050VNT-5	VENTUM-5 TUNNEL INLET
E65-3050VNT-B	VENTUM BOTTOM (NO TOP FLANGE)
E65-3050VNT-M	VENTUM MIDDLE (NO TOP/BOTTOM FLANGE)
E65-3050VNT-T	VENTUM TOP (NO BOTTOM FLANGE)
E65-3050VNT-4	VENTUM-4 TUNNEL INLET
E65-3050VNT-3	VENTUM-3 TUNNEL INLET
E65-3050VNT-2	VENTUM-2 TUNNEL INLET

VENTUM TUNNEL

The Ventum Tunnel makes our unique air inlet features and technologies available for American buildings and ventilation concepts. The dimensions of the Ventum are more universal making it easily usable in renovation projects where existing inlets need replacement. This Ventum tunnel door has 2, 3 or 4 air inlets stacked on top of each other. It is suitable in most cases for poultry houses, as the curved inner valve helps to guide air downwards to the birds during maximum ventilation. The tunnel unit and frame of this inlet have wear-resistant air seals equipped all around to prevent air leakage. The curved aerodynamic inner corners of the frame help to optimize air intake. Our unique polyurethane formula and the use of air seals assures optimum insulation, making the Ventum Tunnel ideal for extremely low temperatures.

Capacity in m³/hour at a static pressure of:

Model	10Pa	20Pa	40Pa
Ventum Tunnel 2	6960	9800	13.900
Ventum Tunnel 3	10.440	14.700	20.850
Ventum Tunnel 4	13.920	19.600	27.800

Product information:

Model	Ventum Tunnel 2
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Run	47 cm / 18.5 Inch
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Force	6 kg / 59 Newton
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Model	Ventum Tunnel 3
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Run	47 cm / 18.5 Inch
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Force	9 kg / 88 Newton
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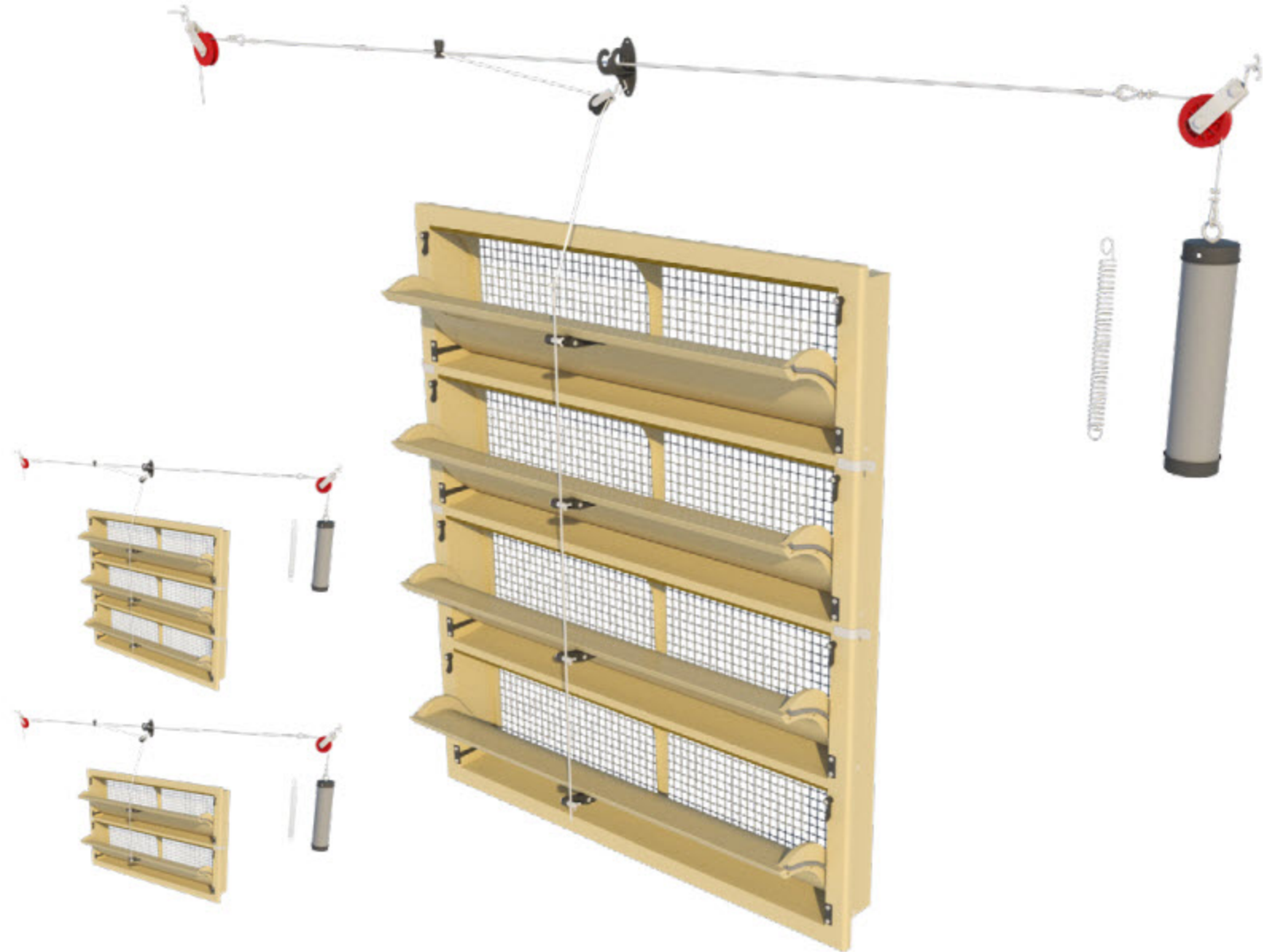
Model	Ventum Tunnel 4
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Run	47 cm / 18.5 Inch
-----	-------------------

Force	12 kg / 118 Newton
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VENTUM tunnel

The Ventum is developed to make our unique air inlet features and technologies available for American building and ventilation concepts. The dimensions of the Ventum are more universal making it easily usable in renovation projects where existing inlets need replacement. This inlet is suitable mostly for poultry houses since the curved inner valve helps to guide air downwards to the birds during maximum ventilation. The valve and frame of this inlet is equipped with wear resistant stripping all around to prevent air leakage and the curved inner corners of the frame help to optimize air intake. Our unique polyurethane formula and the use of air seals assures optimum insulation making the inlet ideal for extremely low temperatures.

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VENTUM DATASHEET



CAPACITY

Capacity in m³/hour at static pressure of:

Model	10 Pa	20 Pa	40 Pa
Ventum-Tunnel-2:	6960m ³ /h	9800m ³ /h	13.900m ³ /h
Ventum-Tunnel-3:	10.440m ³ /h	14.700m ³ /h	20.850m ³ /h
Ventum-Tunnel-4:	13.920m ³ /h	19.600m ³ /h	27.800m ³ /h

INFORMATION

Ventum-Tunnel-2

Run	47 cm / 18.5 Inch
Force	6 kg / 59 Newton
Weight / per tunnel	10,4kg / 22Lbs

Ventum-Tunnel-3

Run	47 cm / 18.5 Inch
Force	9 kg / 88 Newton
Weight / per tunnel	15,6kg / 33Lbs

Ventum-Tunnel-4

Run	47 cm / 18.5 Inch
Force	12 kg / 118 Newton
Weight / per tunnel	20,8kg / 44Lbs

ACCESSORIES

Ventum-Tunnel-2

1 * TPI-222	Connection Set
1 * TPI-519	Main Cable SupportTPI-119
2 * TPI-119	Wire Mesh

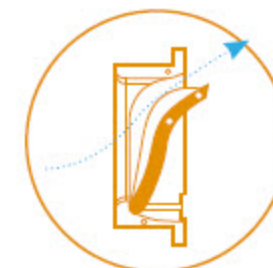
Ventum-Tunnel-3

1 * TPI-223	Connection Set
1 * TPI-519	Main Cable SupportTPI-119
3 * TPI-119	Wire Mesh

Ventum-Tunnel-4

1 * TPI-224	Connection Set
1 * TPI-519	Main Cable SupportTPI-119
4 * TPI-119	Wire Mesh

AIR FLOW

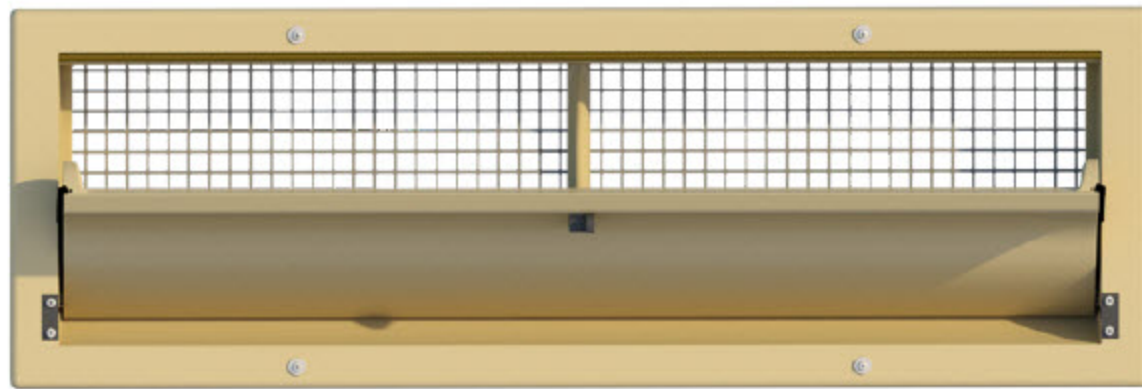

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VENTUM MOUNTING

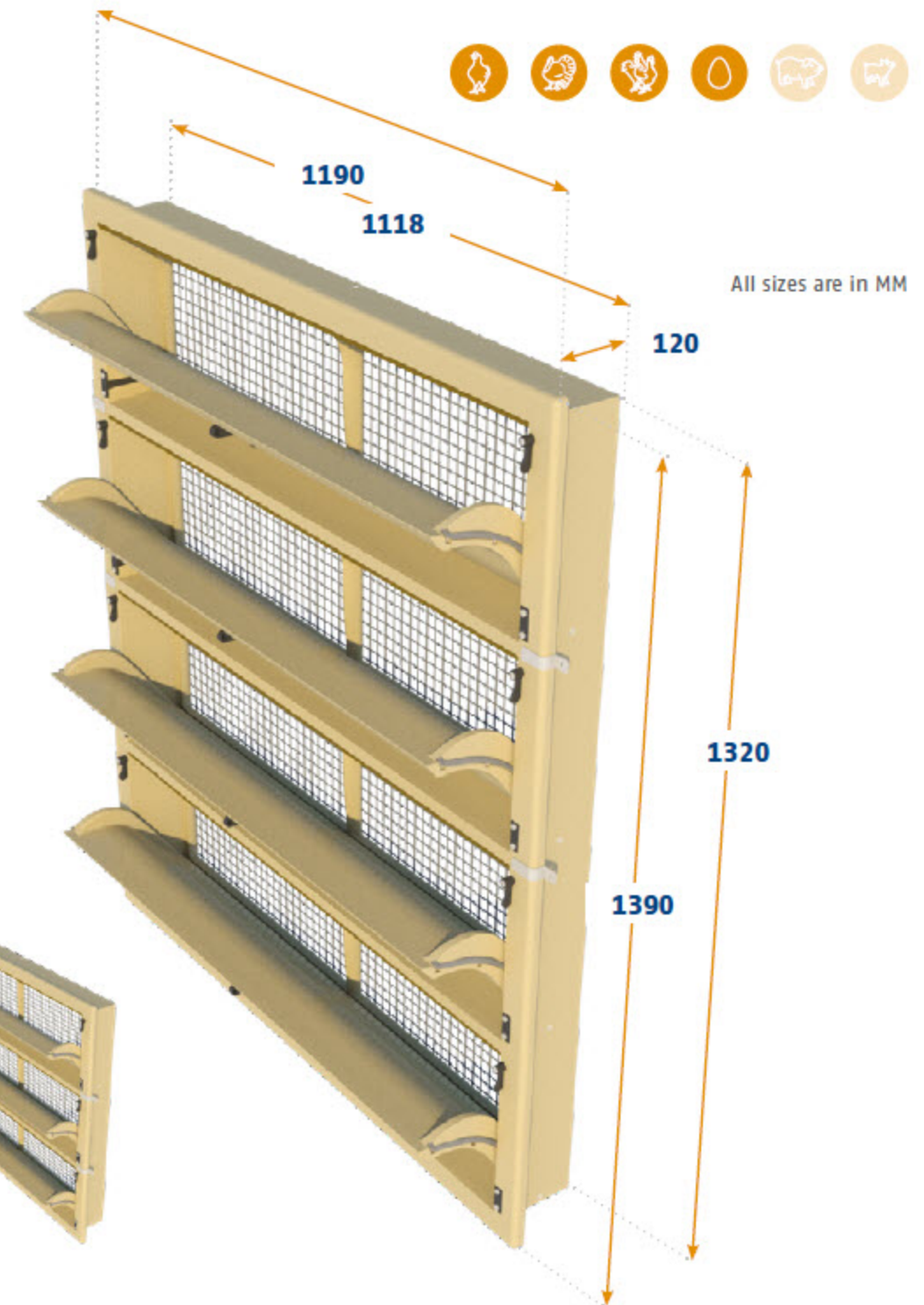


Mounting points



MOUNTING

Mounting type	Wall
Mounting hole size	Ventum-Tunnel-2: W 1190mm H 660mm
	Ventum-Tunnel-3: W 1190mm H 990mm
	Ventum-Tunnel-4: W 1190mm H 1320mm



INFO

DATASHEET

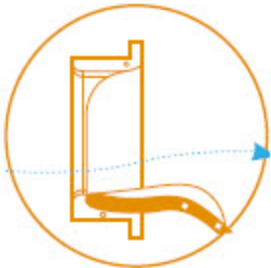
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AIR FLOW



Bottom hinged inlet

Ventum inlets are bottom hinged, therefore also these modular tunnel units are bottom hinged. This means that at an early opening stage air does not flow underneath the inner flaps towards the animals. Instead air is guided upwards into the house.

Curved inner flap

This inlet is equipped with a curved inner flap. Curved flaps guide the air upwards during minimum ventilation, but also downwards after a certain point of opening. This is ideal for houses where air should be directed directly towards or over the animals during maximum ventilation.

Working with end-weights or springs

We offer two products which can be used to keep tension on the main cable. A PVC cylinder which can be filled with concrete or sand to act as end-weight, or a spring that holds tension on the cable.

Balanced set-up

When placing the motor winch or actuator we normally suggest to divide the inlets in two groups. It is preferable to place the winch or actuator in the middle to equally divide the forces on the main cable.

(see ventilation concepts page for an example)

Use of closing catches

The closing catch on the inlet can be used to permanently close inlets for example during pre-heating. The closing catches can also be used to close certain inlets while continuing to use others. In that case the used inlets can be opened a bit further. In colder climates this can help to offer better resistance to freezing effects.


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