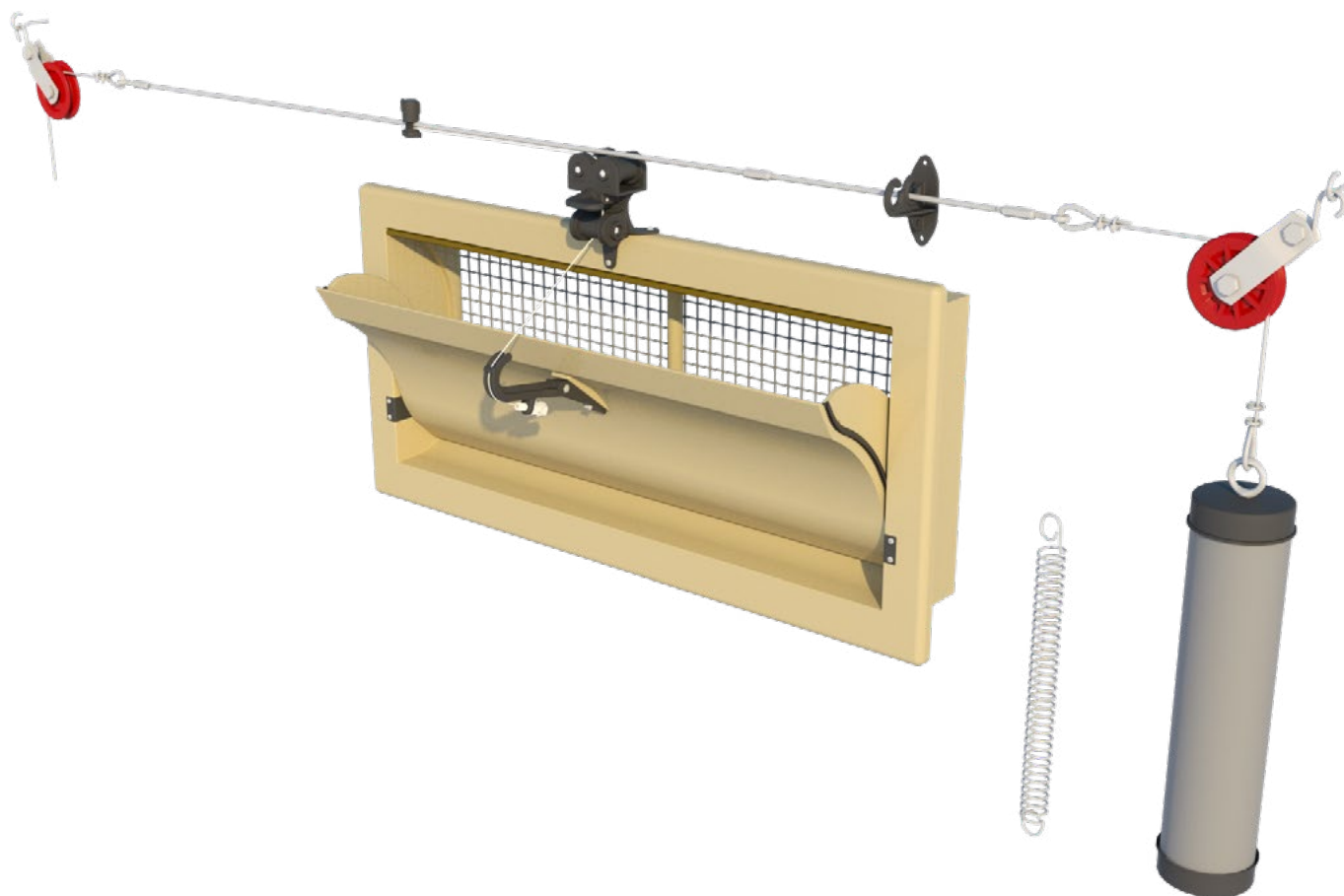


3000-VFG-C

This inlet is suitable mostly for poultry. With a middle hinged inner valve the air will be divided and also flows underneath the valve when it is opened over 35%. The curved inner valve helps to guide air downwards to the animals during maximum ventilation. The valve and house of this inlet are equipped with seals all around to prevent air leakage. Curved inner corners in the house make for a better air flow. The combination of materials and air seals help to make this inlet perfectly suitable for use in extremely low temperatures.



INFO

DATASHEET

ASSEMBLY

MOUNTING

WORKING

MAINTENANCE



3000-VFG-C DATASHEET



CAPACITY

Model	m³/h @ 10 Pa	m³/h @ 20 Pa	m³/h @ 40 Pa
3000-VFG-C	2900	4100	5800
	cfm @ 0.05 inH ₂ O	cfm @ 0.1 inH ₂ O	cfm @ 0.15 inH ₂ O
	1908	2693	3297

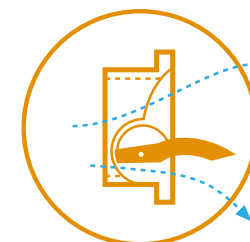
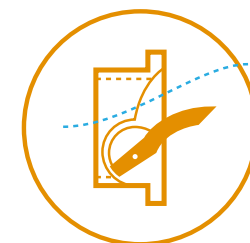
INFORMATION

Run	43 cm / 16.9 inch
Force	2 kg / 19.6 Newton
Number / pallet (1,30 x 1,00 x 2,50m / 51 x 39 x 98inch)	42
Weight / per inlet	4,4 kg / 9.7 lbs
Volume / per box	21
Arm position	3

OPTIONAL ACCESSORIES

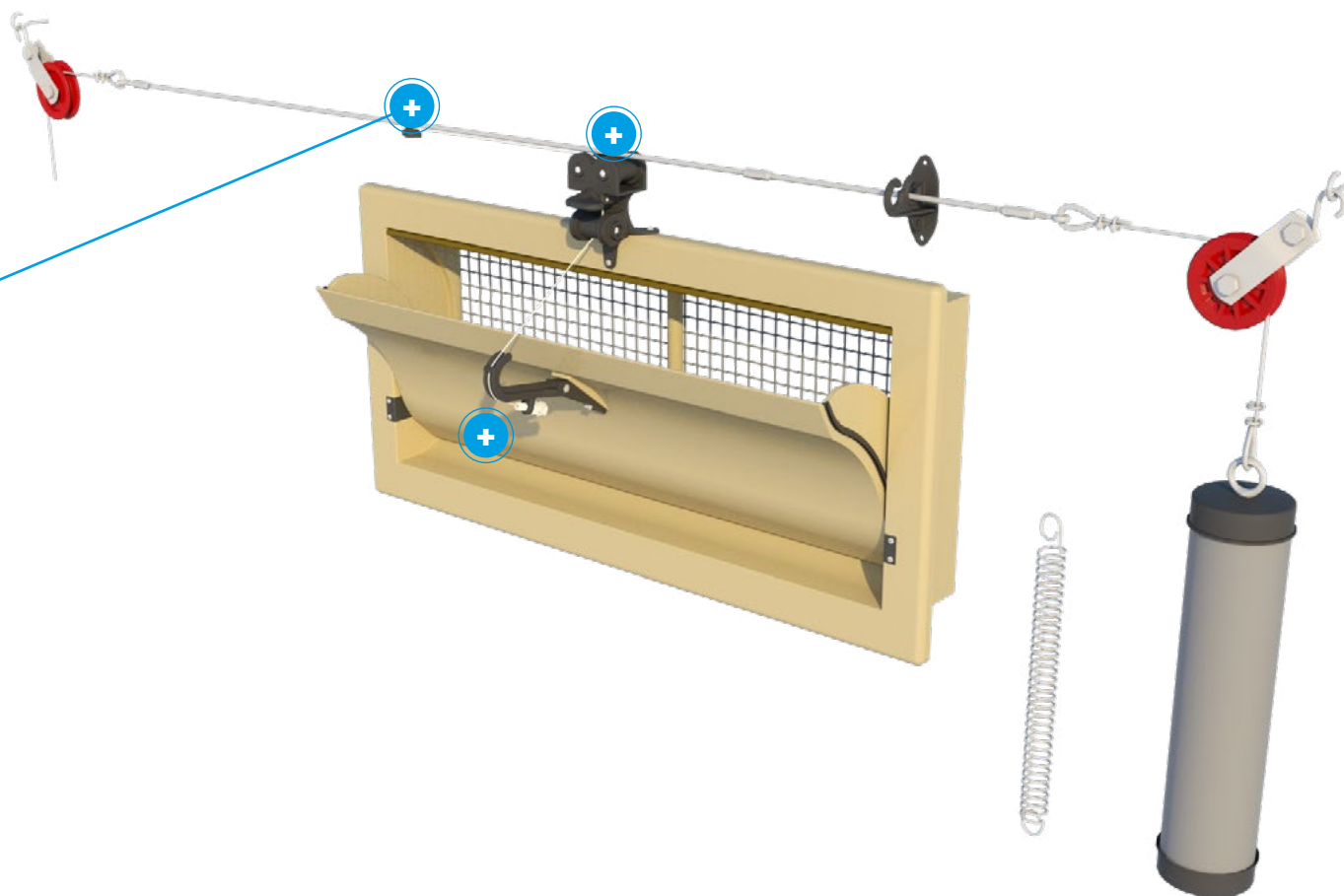
TPI-118	Wire mesh synthetic
TPI-204c	Connection set
TPI-423	Pulley Unit + Closing Catch
TPI-704	Counter flange for inlets in 3000-series

AIR FLOW

[INFO](#)[DATASHEET](#)[ASSEMBLY](#)[MOUNTING](#)[WORKING](#)[MAINTENANCE](#)



TPI-204C



INFO

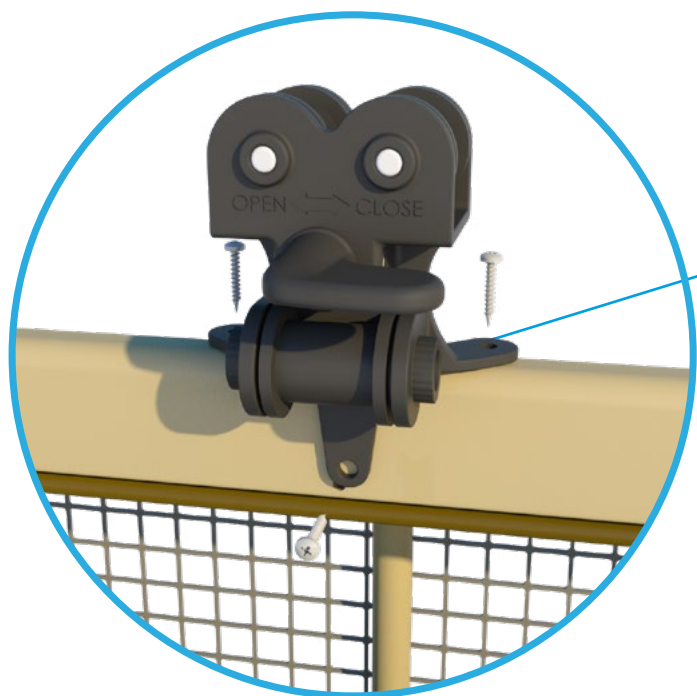
DATASHEET

ASSEMBLY

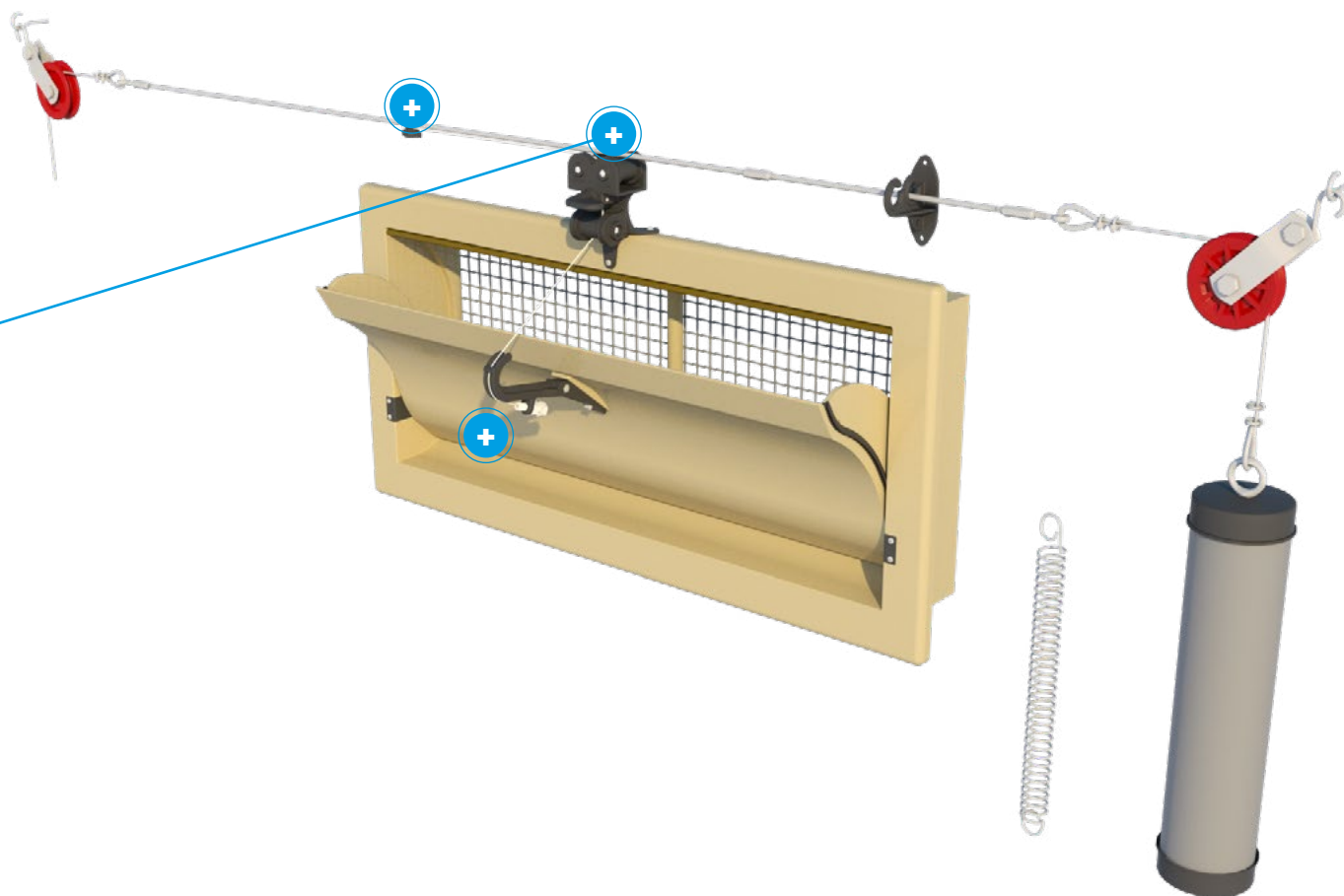
MOUNTING

WORKING

MAINTENANCE



TPI-423



INFO

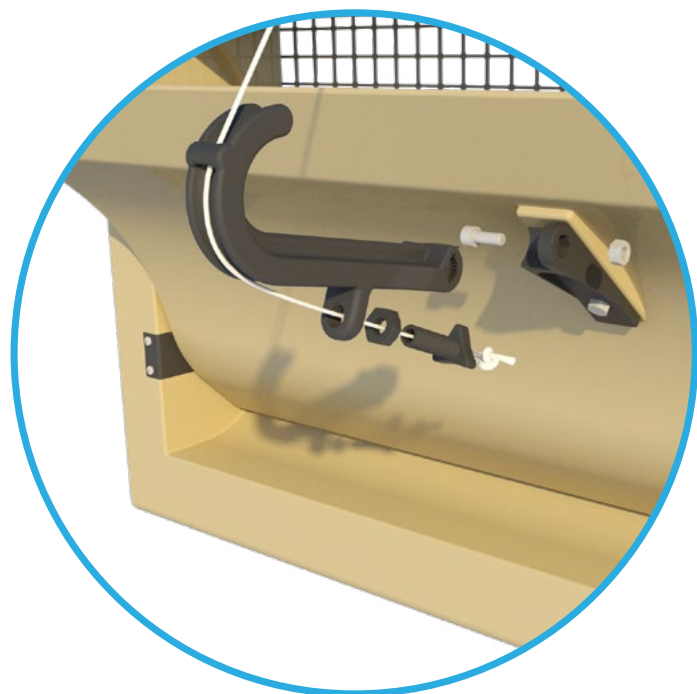
DATASHEET

ASSEMBLY

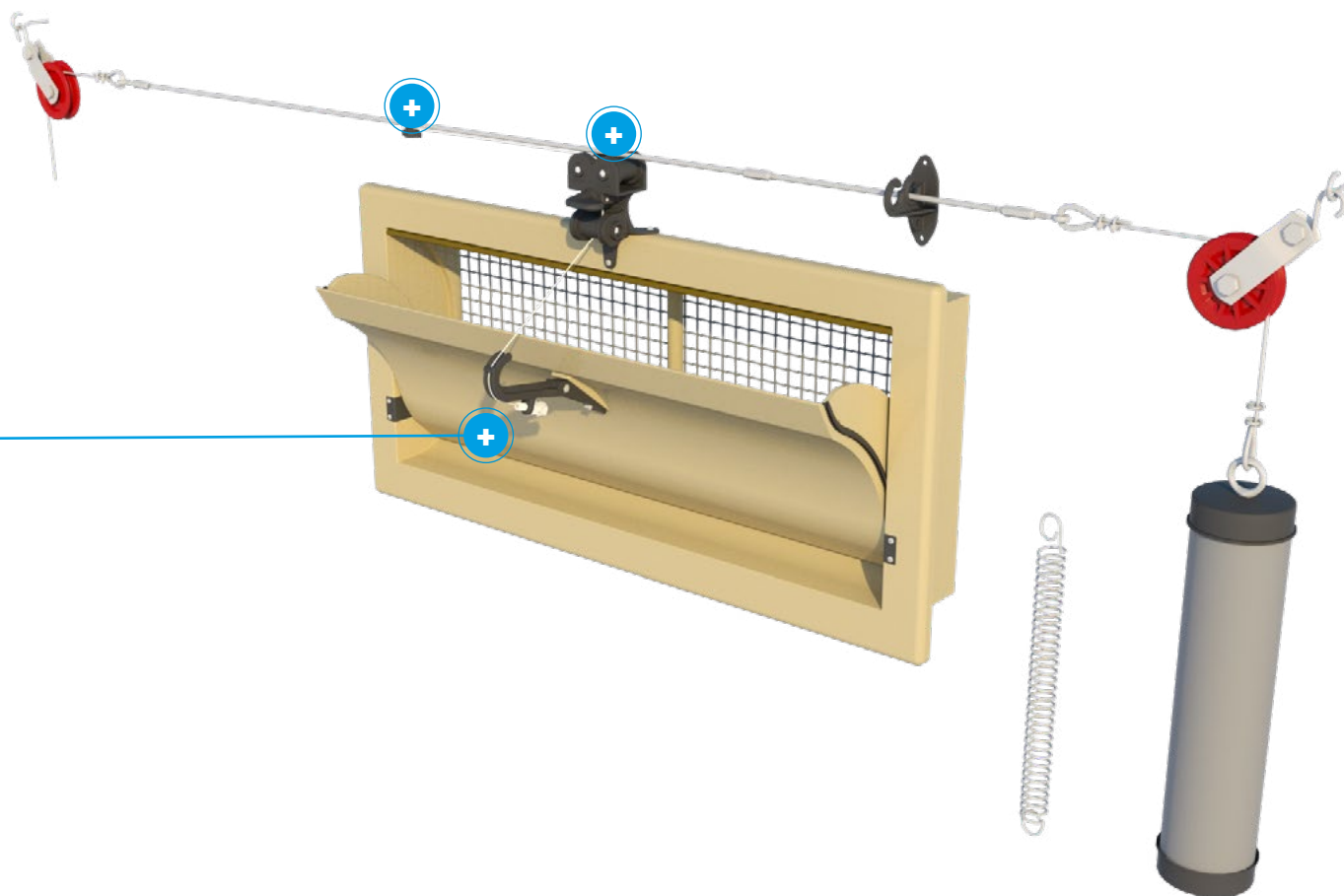
MOUNTING

WORKING

MAINTENANCE



Arm angle position : 3



INFO

DATASHEET

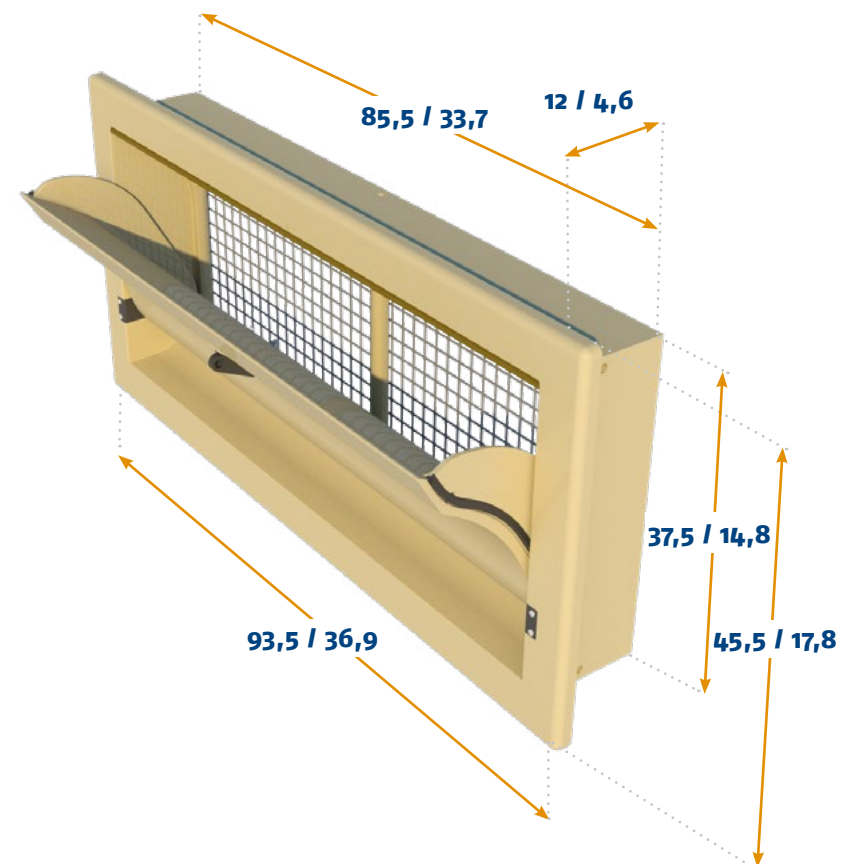
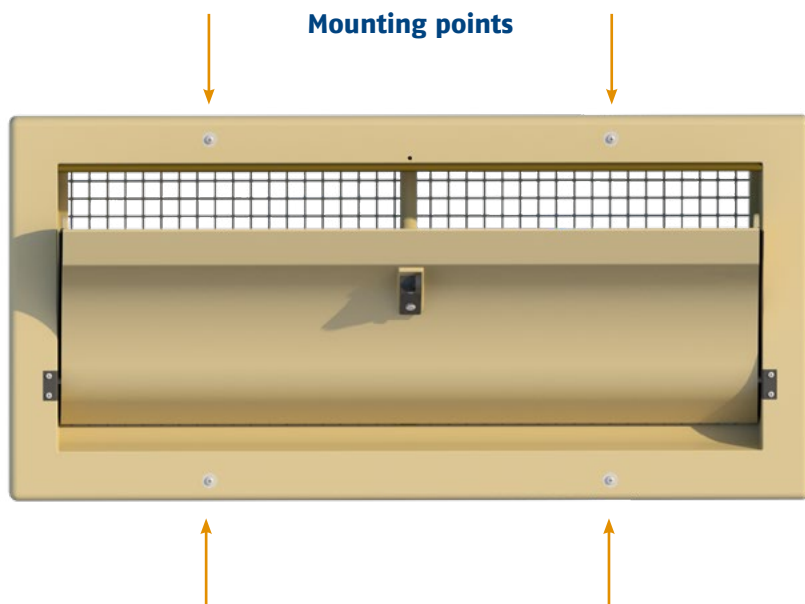
ASSEMBLY

MOUNTING

WORKING

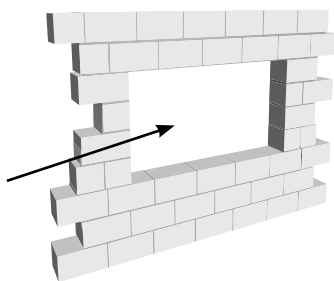
MAINTENANCE

All sizes are in cm and inches



MOUNTING

Mounting type	Wall
Mounting hole size	87,5 cm / 34,5 inch x 39,5 cm / 15,5 inch



INFO

DATASHEET

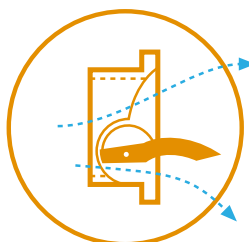
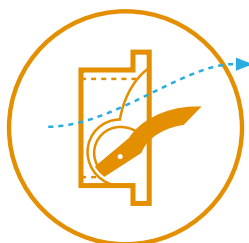
ASSEMBLY

MOUNTING

WORKING

MAINTENANCE

AIR FLOW



Middle hinged inlet

This middle hinged inlet is made to allow air to also flow underneath the inner flap after opening further then 35%. This helps to guide air downwards to the animals and provide a cooling effect during maximum ventilation.

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.

Making adjustments

By using the nylon bolt and nut small adjustments can be made to make sure all inlets are closing and opening correctly. The nylon cable clamp and cord can also be used to make small adjustments.

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.


[INFO](#)
[DATASHEET](#)
[ASSEMBLY](#)
[MOUNTING](#)
[WORKING](#)
[MAINTENANCE](#)



WARRANTY / MAINTENANCE

WARRANTY

TPI-Polytechniek offers a 1 year warranty on manufacturers defects. This warranty covers any defects caused by faulty production or design flaws. For parts that are designed to move, wear and tear there is no warranty as these parts are intended and designed to be replaceable. To find details on which parts are marked as replaceable please contact TPI-Polytechniek for further information.

Since TPI-Polytechniek products are meant to be installed by professionals there is no warranty over installation mishaps or any damage caused by incorrect installation of the products herein. TPI-Polytechniek does offer a service warranty of 1 years over correctly and professionally installed products, therefore we strongly advise to use professional personnel.

Our polyurethane formula guarantees high insulation values but does not in any case guarantee that our products cannot freeze when in low temperatures. To ensure optimal functioning of your product(s) please contact your dealer or TPI-Polytechniek for information on installation, set-up adjustments and functionality.

Please note that under no circumstance TPI-Polytechniek is responsible for injuries or loss of life due to malfunction of our products!

INSTALLATION – SET-UP – MAINTENANCE

Make sure to mount inlets on a flat wall surface

A flat wall surface ensures optimal fitment and therefore air leakage will be reduced to a minimum. For optimal functioning make sure to caulk all sides of the inlet with a silicon sealant.

Layout Main Cable

In the layout, straight lines are recommended. Avoid additional pulleys. For additional information, please consult our support department.

Do not use foams or fillers to fill space in between the inlet and the wall

Foams and fillers might cause damage to the inlet or cause it to jam as they have different expansion values due to temperature differences. When in doubt, please ask your supplier for additional information.

Use screws with rivets for mounting the inlets into the wall, be aware of the polyurethane skin

With the use of rivets for mounting the inlets into the wall one can prevent the screw to sink into the flange or skin of the inlet. The outer skin of the polyurethane is hard but the force exerted on screws during installation might penetrate the skin.

For the set-up, connect the inlet to the main cable when in closed position

Make sure the inlet is closed when connecting it to the main cable, this will ensure all inlets are connected in the same modus and less adjustments are needed to optimize the set-up.

Cleaning

Pay close attention while cleaning the inlets, avoid using corrosive cleaning solutions that might harm the polyurethane. Also make sure not to use too much pressure with the pressure washers as it might damage the skin of the inlets. Use max. 120 bar at a minimal distance of 10cm and temperatures not exceeding 40°C

[BACK](#)