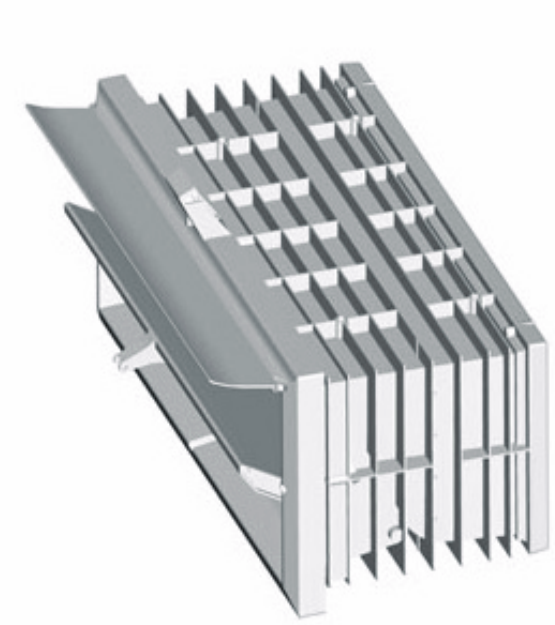
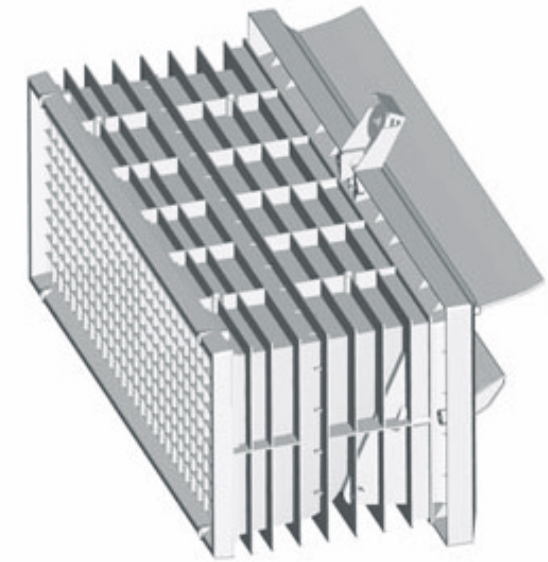
Wall inlet WI

Air intake for negative pressure ventilation systems
The wall inlet is designed to regulate intake air in all stable types with negative pressure systems.
The purpose of the system is to mix fresh air with the air in the stable without causing draught problems for the animals within the stable. The positioning of the fresh air intake is therefore the most important aspect when installing a good ventilation system. At the same time, the distribution of air must be optimal throughout the entire stable and the system must have the lowest possible energy consumption.



Material
The inlet is fabricated in polystyrene. It is dimensionally stable and UV stabilized.
The open, smooth design ensures rapid cleaning using, for example, a high-pressure cleaner.

Benefits
- Stable design with reinforced frame
- Extremely stable in cold conditions
- Highest resistance to cleaning agents
- Environmentally-friendly material, polystyrene
- 1 standard size with a depth of 26 cm, which can be cut to a depth of 15 cm
- Adapter to increase depth
- Single flap model
- Curved upper guide flap is adjustable and reversible
- Fits all wall thicknesses
- Can be embedded in concrete
- No comparable products on the global market
- Competitive price

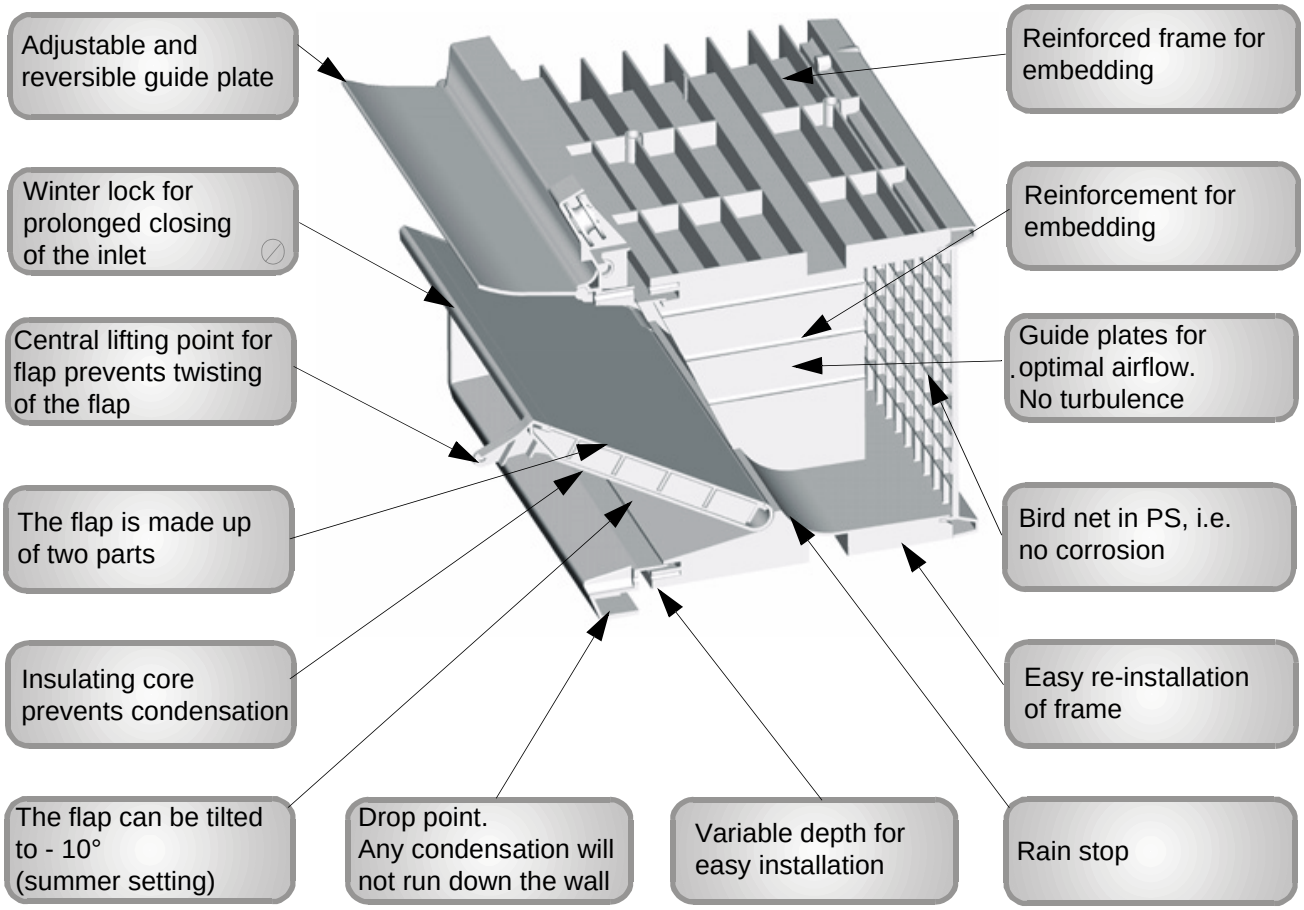


Positioning of inlets
The wall inlet can be set in brickwork, embedded in wall elements or fixed into the wall using silicone or another type of sealing material. Positioning the inlet correctly with regard to the correct height above the floor, the distance from the ceiling and the distance between each inlet is of paramount importance.

Product description
The inlets are available in a module system consisting of a basic module of 26 cm plus one or more 9 cm adapters which can be connected consecutively such that they match the thickness of the wall in question.
A reversible guide flap is mounted at the top of the inlet and attached such that it can be adjusted according to the type of stable and slope of the ceiling. The flap is infinitely adjustable and is retained by means of a locking system at the bottom of the flap.
The inlet flap opens downwards unaided, which means that the flap is closed by pulling it up. This provides the highest degree of safety since the flap will always open if there should be a fault in the wire system.

A nylon chord is fitted at a central lifting point in order to open and close the flap.
Owing to the negative pressure in the stable, fresh air is sucked in through the inlet and is then distributed in the stable according to the settings of the individual flaps.
The inlet is completely sealed when in a closed state, and is fitted with protective external netting which prevents animals from getting into the stable.

General information



Standard dimensions:

Standard wall inlet		
Length	**Height**	**Depth**
650 mm	260 mm	260 mm
Adapter		
650 mm	260 mm	90 mm

Other dimensions:

The depth of the standard inlet can be cut to min. 150 mm and with an interval of 25 mm.
The standard inlet can also be increased in depth using an adapter with an interval of 90 mm. The depth of the adapter can also be cut with an interval of 25 mm.

Output:

Wall inlet depth	**150 mm**	**260 mm**	**350 mm**
Cap. m3/h at complete open			
-10Pa	1330	1410	1420
Cap. m3/h at complete open			
-20Pa	1860	2020	2030