



VENTILATION SYSTEM

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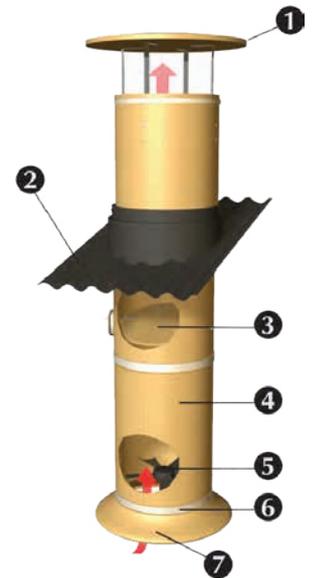
Porktec offers different type of fans adequate for several ventilation systems as they can be controlled for minimum and maximum ventilation. The fans are highly resistant against aggressive climate and harmful substances like ammonia and can be applied for all types of pigs.

CHIMNEYS

Porktec chimneys are made of high-quality polyurethane and designed for a perfect ventilation characteristic. Chimneys are available in the diameters 404, 520, 640, 720, 920 mm and are produced as half shells with a thickness of 25 mm. The half shells are assembled by means of stainless steel tension rings to assure a strong and rigid construction.

Chimney components

- | | |
|--|----------------------------|
| 1- Rain cap for Chimney | 4- Half shell; L= 0.5 / 1m |
| 2- Roof plate undulated or Flat | 5- Multispeed fan |
| 3- Adjusting flap with removable SST shaft ends for actuator | 6- Tightening rings |
| | 7- Air guide |



TUBE MOUNTING FAN

Tube mounting fans can be integrated into existing equipment, placed in pipes or mounted in vents. The flexibility of the mounting options makes them easily adaptable to a variety of applications in an already enclosed space.

The application of these fans can be in a vent pipe for livestock building. They are also used as the propulsion for hot-air blowers, air humidifiers, inlet and outlet pipes, etc.

Specifications

- Available diameters range from 25 cm to 92 cm
- Various frequencies (50 Hz, 60 Hz)
- Air volumes at 0 Pa range from 2.340 m³/h to 21.100 m³/h (50 Hz fans)
- Air volumes at 0 Pa range from 2.390 m³/h to 23.100 m³/h (60 Hz fans)



WALL FANS

Porktec offers a wide range of panel fans, which can be installed in the sidewalls of the building.

The range of fans covers all the possible uses in modern farms, with different motors operating on single or three-phase currents and for 50 or 60 Hz.

Specifications

- Different range of diameters is available, up to 50"
- Various shutter and safety grid options
- Low power consumption
- Long durability
- Easy to install
- Suitable for different applications
- Safe in use



AIR INLETS

For optimal ventilation results, the right type of air inlets must be used in combination with fans.



Porktec provides air inlets made of high quality polyurethane foam to fit any needed size and capacity. The polyurethane construction gives strength added to thermo insulation that prevents water condensation at the inner side of the inlet in cold weather and prevents unwanted heat exchange with the outside.

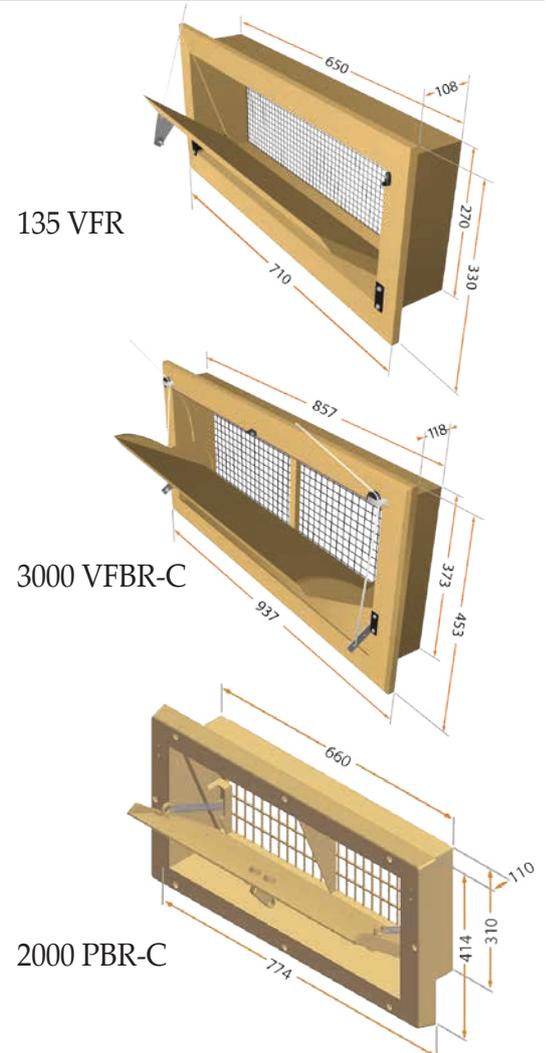
The inlets are available in a wide range of dimensions making projection possible in practically all house concepts and climate conditions. The straight inner flaps are used for pigs preventing the air to be guided directly over the animals.

WALL INLETS

135 VFR / 3000 VFBR-C

- 🔧 Made of high density polyurethane foam
- 🔧 Flange on the front side, executed with a straight, bottom-hinged inner flap
- 🔧 Incorporated stainless steel spring opens the inlet, so the inlet is pulled to close

	10 Pa	20 Pa	40 Pa
135 VFR	1,450 m ³ /h	2,050 m ³ /h	2,900 m ³ /h
3000 VFBR-C	2,900 m ³ /h	4,100 m ³ /h	5,800 m ³ /h



2000 PBR-C

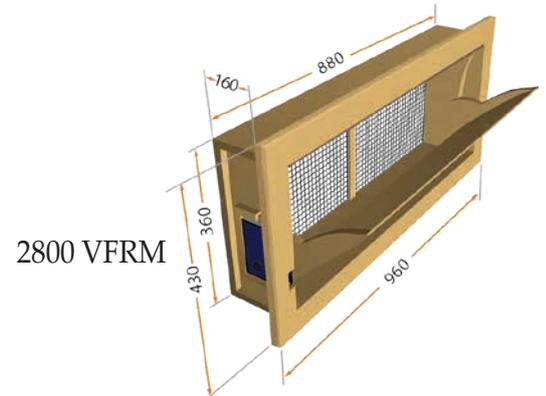
- 🔧 Made out of UV-Stabilized ABS
- 🔧 Specially designed for those areas where the insulation factor is not or less relevant.

	10 Pa	20 Pa	40 Pa
2000 PBR-C	1,800 m ³ /h	2,500 m ³ /h	3,600 m ³ /h

2800 VFRM

- 🔧 Motor controlled inlet

	10 Pa	20 Pa	40 Pa
2800 VFRM	2,800 m ³ /h	4,000 m ³ /h	5,600 m ³ /h

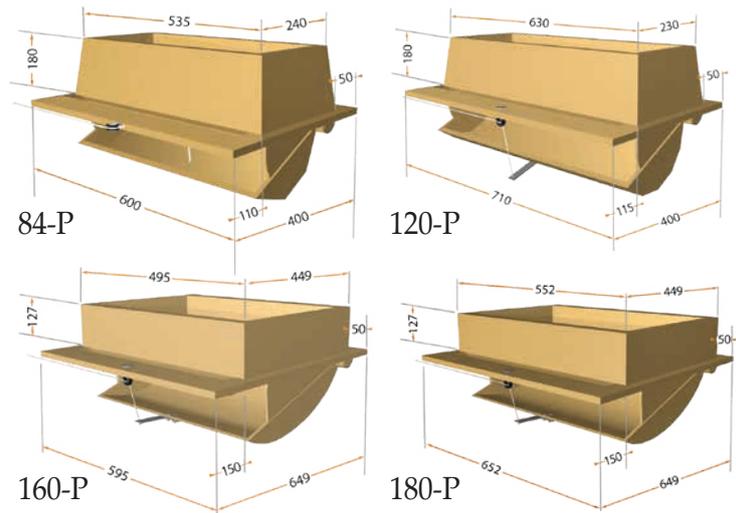


AIR INLETS

CEILING INLETS

- Made of high density polyurethane foam
- Control by means of a bracket mounted on the valve

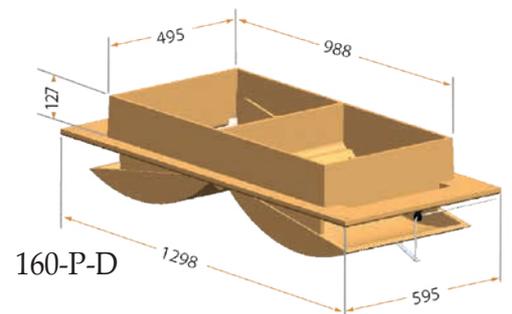
	10 Pa	20 Pa	40 Pa
PTC84	760 m ³ /h	1,070 m ³ /h	1,520 m ³ /h
PTC120	1,100 m ³ /h	1,560 m ³ /h	2,200 m ³ /h
PTC160	1,600 m ³ /h	2,250 m ³ /h	3,200 m ³ /h
PTC180	1,800 m ³ /h	5,550 m ³ /h	3,600 m ³ /h



PTC160-D

- Double valve inlet
- Air can be guided in two opposite directions

	10 Pa	20 Pa	40 Pa
PTC160-D	3,200 m ³ /h	4,500 m ³ /h	6,400 m ³ /h



MOTOR WINCHES

The opening / closing of air inlets is controlled by motor winches.

Characteristics

- Control signal 0 - 10 V DC
- Traction force of 340 kg
- Power supply 0 - 10 V DC, option with 24 V emergency opening
- Torque of 90 Nm



ROOF VENTILATION

Porktec provides ceiling ventilation that is suitable for almost every type of stable with a suspended ceiling.

Fresh air supply is enabled by the principle of displacement ventilation. The relatively high perforated surface area enables low entry speed of the air into the compartment. As result, a low pulse inflow is obtained. In addition, pressure losses are reduced due to the special geometry of the conical holes and in consequence the risk of draughts is minimized.



Advantages

- Low velocity of air
- Partial perforation possible
- Openings with nozzle function
- Individual perforation, depending on the number of animals
- Easy installation due to prefabricated channel side parts