

# HEOSS Pig Heater

Specialist Heating Units



hydor

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## Specialist Heating Units

Heat is required for two principal reasons, first of all to maximise the pigs feed conversion, but also in reducing the mortality rate amongst piglets.

Where the pigs are kept below their lower critical temperature they will convert more of their food into energy as opposed to body weight. Inevitably the heating systems on the market are as varied as the building designs for Pig Housings. With effective Heating and Control products from Hydor, the precise temperature conditions can be carefully maintained for the pigs.

With three model sizes, Hydor's "Heoss" Pig Heater is a propane gas, hot air generator manufactured completely in stainless steel. The unit consists of a fixed section that is placed in the wall of the room (usually the wall of the corridor) and a mobile section, the actual generator, mounted on the same wall coupling, with it's upper part in the conduit at 90°.

The fixed section of the heater consists of a key; a regulator to 37 mbar; a gas filter and a conduit at 90° that transverses the wall with an air baffle. The additional benefit is that the unit completely seals the air exit thereby preventing dust ingress. The mobile section weighs only 15kg and is fitted with a quick connection to connect the gas supply to the regulator.



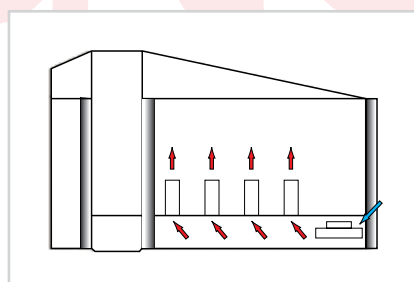
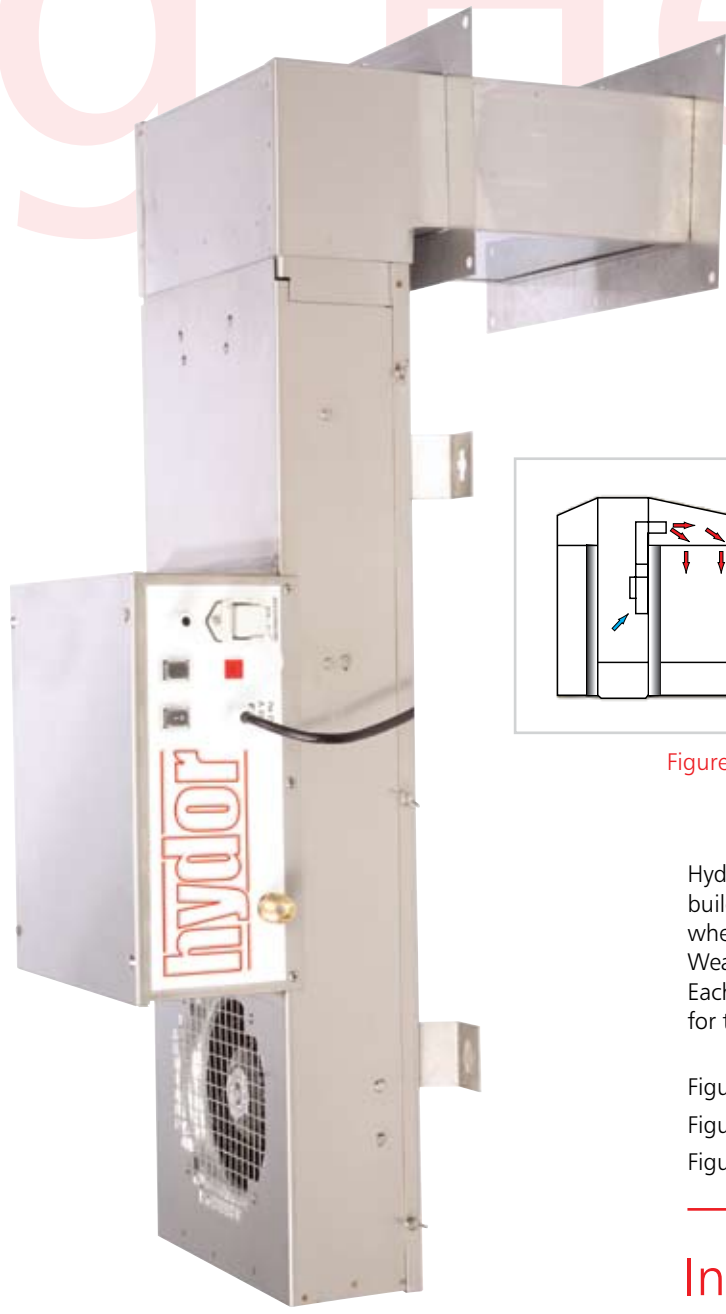


Figure 1.0

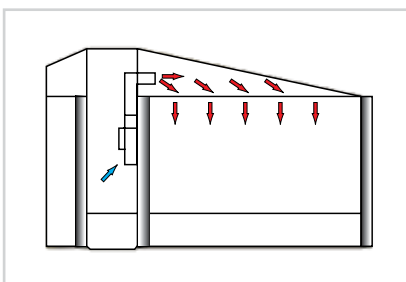


Figure 2.0

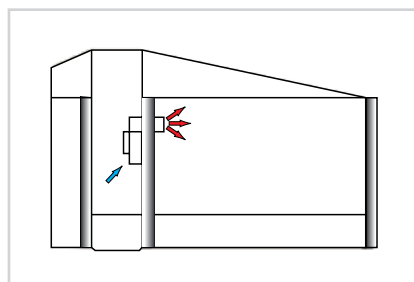


Figure 3.0

Hydor 'HEOSS' Pig Heaters are designed to be located within a pig building by blowing heated air into those rooms within the farm where it is needed for the pigs, in particular, the Farrowing and Weaning Houses. Each of the drawings above illustrates typical mounting arrangements for the 'HEOSS' unit, also highlighting the flexibility in installation.

Figure 1.0 mounted under the floor, heating the room from below.  
Figure 2.0 mounted above the ceiling, heating the room from above.  
Figure 3.0 mounted into the room, heating the room directly.

## Installation

- Very simple and economical.
- HEOSS is for outside, inside or corridor installations. The unit can be installed on the exterior of the Piggery, the interior, for example, Weaner accommodation, or, the most common location, the corridor or central passageway.
- Horizontal and vertical position allowing the installation where it is most convenient or where space is at a premium.

## Heating Quality

- Homogeneity – By progressive heating, this allows "HEOSS" to maintain the desired temperature for the accommodation with oscillations of less than 0.5°C.
- The air introduced is a dry air, which improves the environmental quality by vastly diminishing the humidity of the air and the beds.

## Features & Benefits

- Versatility.
- Suitable for all types of farms, particularly Pig Farms.
- "HEOSS" works well with low-pressure propane gas supply.
- Where required Hydor can provide a 9kW electric model with identical dimensions.
- Horizontal or vertical mounting arrangement.
- The heat output is infinitely variable from 1.4 kW to 10 kW via a 0-10 volt control signal. Automatic OFF switching is optional.
- The unit automatically resets after a power failure, with illuminated lights indicating the operational status of the "HEOSS" unit. The ignition circuits are isolated from the main electrical circuit for safety and EMC Interference legislation.

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## Specialist Heating Units

### Portability and Economy

- With a fixed section of the Pig Heater for each room, as well as a transportable section, the unit can be disconnected and moved from one room to another, leaving the gas supply and the inlet section in place, thereby utilising the heater section to its maximum potential in other parts of the pig building. If the pig farmer does not need to heat all of the rooms at the same time, he can determine the number of heaters to order. Normally 50% of the rooms require heating, which means only investing in additional fixed utility lines and inlet sections.



### Resistance

- Unit is constructed from stainless steel for longevity of use, as well as being hygienic and easy to clean, particularly the burner and ventilation parts.
- The electrical and electronic components are protected against humidity and the corrosive atmosphere, which is particularly prevalent in a Pig Farm.



### Security

- By producing the flame outside the room, this can increase safety on the farm thereby diminishing the risks associated with the use of gas.
- Potential reduction in the insurance costs on the farm.
- The unit works with low-pressure gas.

In essence, Hydor "HEOSS" Pig Heaters are -

- Easy to install.
- Easy to clean.
- Easy to transport from one room to another.
- Work with bottled gas.

Quite simply it is one of the highest quality and lowest cost pig heaters on the agricultural market today.



[www.hydor.co.uk](http://www.hydor.co.uk)

Hydor Ltd · Unit 8 · Parkers Close · Downton Business Centre  
Downton · Salisbury · Wiltshire · SP5 3RB  
Tel: +44 (0) 1725 511422 · Fax: +44 (0) 1725 512637  
e-mail: [info@hydor.co.uk](mailto:info@hydor.co.uk) · [www.hydor.co.uk](http://www.hydor.co.uk)

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FANS

CONTROLS

SYSTEMS