

HEFT

MODULE H1

AN APPLICATION FOR ON FARM ROUTINES

For the daily routine to stun and end the life of pigs and poultry.
Ready to be immediately used as a first response.



**NITROGEN
BASED METHOD
ACCORDING TO
EU 1099/2009**

LESS PAIN AND STRESS

The HEFT Module H1 application has been developed to minimize pain and stress and to reduce handling. No restraining is necessary.

SCALABLE SOLUTION

The HEFT Module H1 is built with two stackable tiers. This makes the space adaptable after the size of the animals.

VISIBILITY

The transparent lid on the HEFT Module H1 makes it possible to monitor the whole process.

EASY AND SAFE TO USE

The HEFT Module H1 runs with simple instructions and always comes with S.O.P. and user instruction. To make sure users fully understand our system and are able to run it safely, a certification is done online by HEFT.

TIME EFFECTIVE

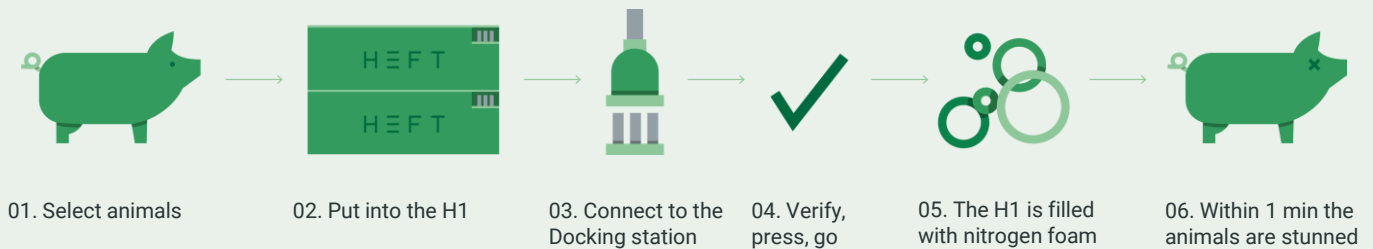
The HEFT Module H1 can be used both to process individual animals and to process a group of animals at the same time. Either way, the time to run the application only takes a few minutes.

THE HEFT TECHNOLOGY

For the purpose to stun and end the life of pigs and poultry the HEFT technology is based on the inclusion of **100% nitrogen gas** in high expansion foam. To control the gas, large bubbles are produced and fill the container from the bottom up to replace the air with nitrogen. When the container is filled, the bubbles gets destructed by a nitrogen pulse which creates an atmosphere with nothing but nitrogen. The animals have no receptors for nitrogen and do not respond to the sudden change and lose their posture and consciousness within 15-30 seconds – without any additional stress or pain.

THE PROCEDURE

The procedure looks the same with poultry



NOT JUST A TECHNICAL DEVICE

Being a user of the HEFT method means more than just using a machine. By selecting a HEFT application depending on the needs, a list of things are included.



HEFT MODULE H1

To complete the whole system Module H1 will be delivered with the HEFT DS1 to run and control the process.



EDUCATION AND CERTIFICATION

To use the HEFT MODULE H1 a education and certification is needed. These are made online by HEFT.



HEFT FARM CERTIFICATION

Together with the delivery of the H1, a local vet will be in place to do a test run of the system together with the farm operator and eventual users.



S.O.P.

Standard operating procedure with steps to analyse situation so right measures are taken.



HANDBOOK

Complete informational guide with user instructions.



HEFT FOAM AGENT

10 l of HEFT Foam Conc. is included in the start up kit.



LIFECLEAN DISINFECTION

10 l of LifeClean Disinfection is included in the start up kit.*



SUPPORT

As a HEFT Farm Certificated company or farm, support is always available for all of the users.

**only on LifeClean approved markets*

TECHNICAL DATA AND MEASUREMENTS

Information

Data

General

Size L x W	1150x750mm
Animal area	850x600mm
Height external	520/820mm
Height internal	280/580mm
Capacity (weight)	30 kg per tier
Animals	Pigs and poultry up to 6 kg with a shoulder height of 26 cm when using one tier. 52 cm shoulder height when using the height of both tiers
Model name	H1
Usage certification	HEFT Certification H1
Control unit	DS1
Filling time (foam):	30 seconds

Maintenance

Service	Once every 18 months
Cleaning	Run the system with clean water before storage or once a week in regular use
Storage	Store dry, not to be exposed to major changes in temperature

Design data

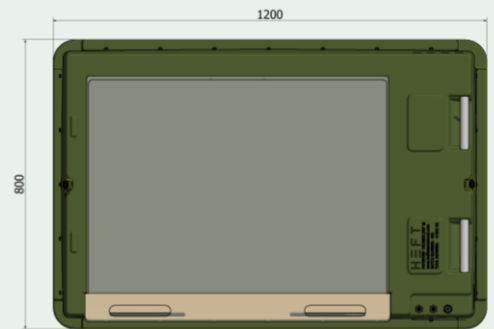
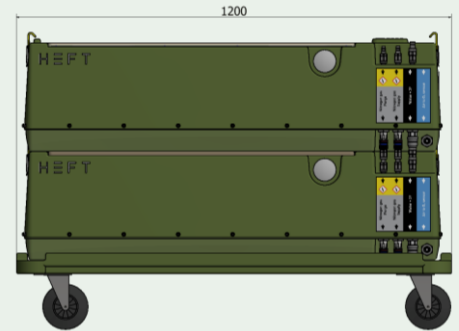
Max temp	50C
Min temp	-5C
Max pressure	10Bar(g)
Min pressure	4,5Bar(g)
Nozzles	1-2

Connections on unit

Gas	CEJN male Series 320 eSafe, DN7.6
Liquid	CEJN male Series 467 eSafe, DN6
O2	CEJN male Series 320 eSafe, DN7.6
Power	N/A
Camera	N/A

Compatible consumables

Foam	HEFT foam agent
Disinfectant	LifeClean
Cleaning	Mild detergents



For more information about research and test results visit heftinternational.com



PATENTED TECHNOLOGY



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DS1

DOCKING STATION 1



Information

General

Size L x W x H
Cabinets

Liquid tank
Power
Compatible unit

Maintenance

Service
Cleaning
Storage

Design data

Max temp
Min temp
Max pressure
Min pressure

Data

900x600x1625mm
Pump, control system
Optional oxygen measurement

20 litre
110-240V, 50-60Hz
C1, C2, H1, V1, V2

Once every 18 months
Wipe with a damp cloth
Store dry, not to be exposed to major changes in temperature

50C
-5C
10Bar(g)
4,5Bar(g)

DS1 is the docking station for distributing control, power, and consumables into the applications. The connections and the fitting tubes are colour market for easy assembling. The DS1 is delivered with a special designed rack for convenient and safe storing of the power units, consumables and nitrogen tanks. The rack is mobile to able the DS1 to be stored away when not used or moved to different places when used for larger procedures.

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TECHNOLOGY



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