

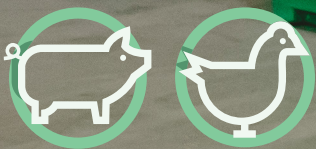
HEFT

A SYSTEM 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.

C1

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NITROGEN BASED
METHOD



LESS PAIN
AND STRESS



TRANSPARENCY
AND VISIBILITY



EASY AND
SAFE TO USE

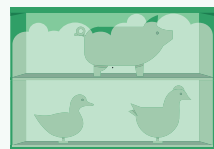


TIME
EFFECTIVE

THE HEFT TECHNOLOGY

TECHNICAL DATA AND MEASUREMENTS

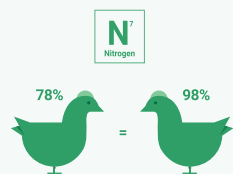
PATENTED
TECHNOLOGY



Foam is filled up in a container.
The bubbles contain nitrogen.

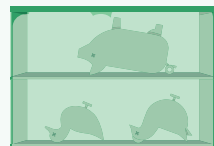


A burst of nitrogen is added, the bubbles break
and the gas is released.



Animals have no receptors that make them react
to changed levels of nitrogen in the air

10-20 sec



The animals lose total consciousness within 10-20 seconds

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 get 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 10-20 seconds - without any additional stress or pain.

GENERAL

Model name	C1
Size	L x W x H 1200x800x910 mm
Animal area	0,78 m ²
Height internal	706 mm
Usage certification	HEFT Certification C1
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, do not expose to major changes in temperature

DESIGN DATA

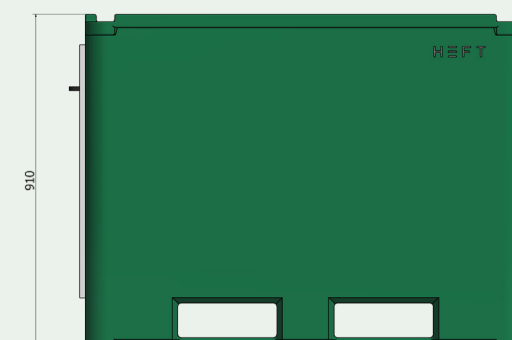
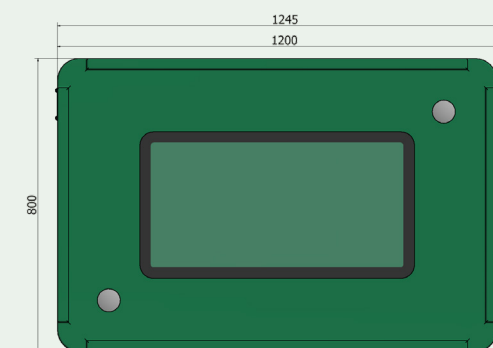
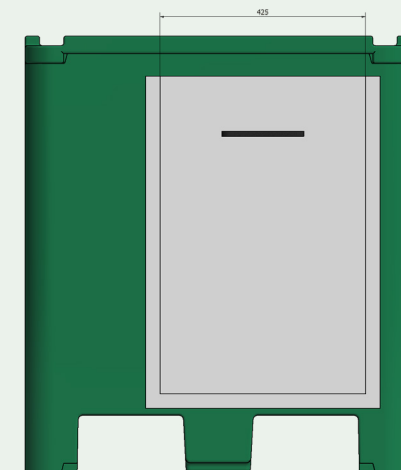
Max temp	45°C
Min temp	5°C
Max pressure	10 Bar(g)
Min pressure	4,5 Bar(g)
Nozzles	2

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



DS1 (DOCKING STATION 1)

DS1 is the docking station for distributing control, power, and foam agent into the applications. The connections and the fitting tubes are color marked for easy assembling

The DS1 is delivered with a specially designed rack for convenient and safe storage. The rack is mobile to enable the DS1 to be stored away when not used or moved to different places.

GENERAL

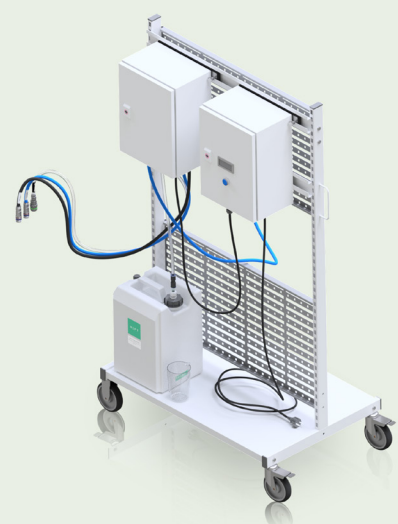
Size L x W x H	900x600x1625 mm
Cabinets	Pump, control system
Liquid tank	Optional oxygen measurement
Power	20 litre
Compatible unit	110 240V, 50 60Hz
	C1, C2, H1

MAINTENANCE

Service	Once every 18 months
Cleaning	Wipe with a damp cloth
Storage	Store dry, do not expose to major changes in temperature

DESIGN DATA

Max temp	45°C
Min temp	5°C
Max pressure	10 Bar(g)
Min pressure	4,5 Bar(g)



HEFT



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