

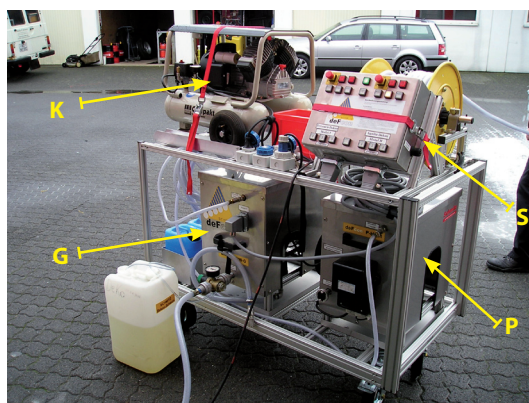
deFcon® 200-G/P foam decontamination system

...built to save lives!



deFcon® 200-G foam decontamination system with additional module deFcon® P-Skin for the decontamination of persons

An additional module for generating a deFcon® P foam for the decontamination of persons can be integrated if required.



Mobile trolley for the loading at a HazMat truck

deFcon® 200 G foam decontamination system (back) with deFcon P – modules
S = control panel,
K = compressor
G = deFcon® G module,
P = deFcon® P module (optional)

Mostly water had been used as decontamination agent after nuclear, biological and chemical contaminations in the past. However, the efficiency is limited as an equally good decontamination of i. e. water-soluble and oily contaminants is impossible due to the surface tension of the water.

Acting on that assumption, Gimaex developed new decontamination agents on the basis of chosen ingredients for the ideal decontamination. These are the deFcon® decontamination foams of the G series (for equipment, material and environment) as well as the deFcon® P foams for the decontamination of persons.

The deFcon® foams will be generated and especially developed systems. In addition to the smaller deFcon® 40 T foam decontamination unit, the Gimaex deFcon® 200G has been developed for a continuous production of the highly efficient deFcon® decontamination foams. This provides an optimal decontamination for large areas and volumes of

- nuclear
- biological and / or
- chemical

contaminations of equipment, environment and people!



The Gimaex foam decontamination system deFcon® 200 G consists of the following components:

- deFcon® G module for generating the deFcon® G - decontamination foams
 - control panel for controlling and regulating the system (incl. deFcon® P optional)
 - compressor (electrically driven or motor-driven)
 - profile frame
- or optionally of:

- deFcon® P module for generating the deFcon® P – decontamination foams for the decontamination of persons
- electrically 12 kW boiler or
- diesel driven 71 KW boiler

When using the boilers it is possible to discharge the deFcon® foams adjusted to i. e. the weather.

The Gimaex foam decontamination system deFcon® 200 G can be used mobile or stationary as required. It can especially easy be integrated into: **vehicles, Ro/Ro-Containers, trolleys and trailers.**



Application of the deFcon® 200 G system at the Hungarian Army in a trailer



Installation of the deFcon® 200 system in a firefighting vehicle

Boiler

For the operation the specific deFcon® agents for equipment or skin have to be added.



deFcon® G additive for the foam decontamination

The deFcon® 200 G systems feature the following characteristics:

- one-man operation
- quick availability
- no power supply due to pneumatical operation
- low water and decon additive requirement, therefore environment friendly due to low disposal effort (only approximately 10% of the usual water quantities)
- compressed air generation by high-performance compressors (motor-driven or electrically)
- no aerosol formation by the generated and discharged deFcon® foams
- the deFcon® 200 G system can be self-decontaminated

The deFcon® decontamination foams generated by the deFcon® 200 G system are according to the VFDB guideline (10/04) very suitable for the decontamination.

The tested deFcon® G foams can reach a decontamination success of 99.9% when applying appropriately and according to the basic conditions. This had been certified by an independent test laboratory.

Therefore the Gimaex deFcon® 200 G foam decontamination system is especially suitable for the generation of deFcon® decontamination foams within the scope of operations:

- after accidents with nuclear substances (i. e. incidents at nuclear plants, transport accidents...)
- after epizootics (like foot-and-mouth disease virus, bird flu...) or human epidemics (SARS, influenza...)
- after incidents in chemical plants (i. e. averages, explosions, uncontrolled release of chemical substances...)
- after terroristical attacks with NBC warfare agents (i. e. chemical warfare agents like sarin; attack in Tokyo on March 20th, 1995)



Cleaned separator (outside and inside)

The Gimaex deFcon® 200 G foam decontamination systems have proven themselves in many cases in the past and therefore they have been purchased and operated due to their quality and efficiency from different consumers like:

- municipal fire brigades
- plant fire brigades
- voluntary fire brigades
- airport fire brigades
- civil defence organisations
- disaster management organisations as well as
- different companies and institutions

home and abroad, i. e. in:

- Germany
- Iceland
- Italy
- The Netherlands
- Austria
- Switzerland
- Hungary
- China.



Mobile oil separator foamed with decontamination foam after the operation during the flood catastrophe



Foamed peristaltic pump

Various military consumers decided to use the deFcon® technology due to its quality and proven efficiency.

The German Army has also decided to use the foam based technology on there decon trucks after extensive tests.

Furthermore, the Hungarian Army purchased various deFcon® systems.



Order information:

#600140	deFcon® 200-G foam decon mobile unit for the decontamination of equipment
#600332	deFcon® 200-P skin decontamination system for the mobile operation
#600139	230V compressor type 320, mobile, 10bar, priming performance=310 lpm, filling performance=240 lpm
#600218	deFcon® water heater, 230V/50Hz, 71kW, diesel driven

The decontamination additives depend on the fields of application:

Decontamination of equipment	
#600133	20l canister deFcon additive deFcon® GT1, neutral for the deFcon 40T or deFcon® 200
#667017	20l canister deFcon® additive deFcon GT2, alkaline for the deFcon® 40T or deFcon® 200
#600096	20l canister deFcon® additive deF GB1, contains formaldehyde, for the deFcon® 40T or deFcon® 200
#600097	20l canister deFcon® additive deF GB2, contains formic acid, for the deFcon® 40T or deFcon® 200
#600060	20l canister deFcon® additive deF GC1, contains hydrogen peroxide, for the deFcon® 40T or deFcon® 200



EKfz of the German Army



Hungarian Army - deFcon® 200 G



deFcon® 200-G

Decontamination of persons	
#600316	5l canister deFcon® additive deFcon-PA for the decontamination of skin and persons at radioactive substances
#600317	5l canister deFcon® additive deFcon-PB for the decontamination of skin and persons at biological substances
#600318	10l canister deFcon® additive deFcon®-PC for the decontamination of skin and persons at chemical substances

More accessories are available on demand, like decon showers, decon trays etc..

Disclaimer

The determination and composition of the data as well as the evaluation about the deFcon® 200 system had been realised with high diligence. However, we assume no liability for mistakes and errors as well as for consequences thereof!



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