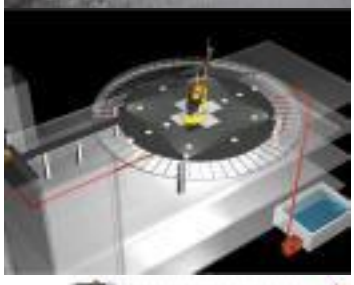
Stable foaming fire brigade device She Seven

German manufacturer company Seven of Germany produces this highly an effective mobile system based on the CAFS (Compressed Air Foam Systems) principle , which with installs in destination objects or outside in special ones containers .

The principle of the system

The principle of this modern system of creating compressed air foam is such that the foam is not formed until the end of the hose line in foam-forming streamlines , as is the case with ordinary ones foaming systems , but arises in mixing chamber .



As a source of compressed air they are used screw compressors. Pipe distributions are then already distributed ready - made foam that contains approx . 80% air. They don't use with none foaming streamers or nozzles.

The device produces dry and wet foam and stands out for its high extinguishing efficiency and very low consumption foaming agent and water.

Systems requiring power supply

Standard implementation stable firefighters systems She Seven is a combination of compressor, pump, foaming module and outlets fire-fighting elements (monitors, streamlines , rotors, nozzles) controlled by the control unit. The system can be either installed directly in the building or ready for use in a container.

System power supply will be designed engineers that companies She Seven based on each specific customer request .

Autonomous foaming fire extinguishing systems

Autonomous foaming fire extinguishing system One Seven is complete firemen system , which is powered without a pump and compressor. The system consists of the following components :

- Foaming module
- Tank with compressed water
- Foamer tank
- Pressure cylinder with nitrogen
- Control unit

Nitrogen from the pressure vessel is used to create compressed air foam . The necessary water is stored in a pressure vessel and can also be pressurized with the help of nitrogen, and when it is afterwards being added during of the foaming process balances the pressure ratio .

Using this system se used in places where a source for powering the pump or compressor is not possible. He is needed only the power source for the control unit. Of course, it is possible to design a unit with a pump that will create the necessary water pressure and pressure vessel with nitrogen will only be for creating compressed air foam .

This system is also used on heliports . Of course can but also be useful to others places . Operating time is limited depending on the limited amount of nitrogen and water. To make it possible what most effective firefighting , the required operating time will be adjusted depending on the object to be hereby system secured , as well as necessary amount fire extinguishers .