

HIGH-RISE APPLICATIONS



CHALLENGE HIGH-RISE FIRE

The dimensions of modern high-rise buildings are getting higher and higher. Several hundred meters is today's standard for new buildings. But even older high-rise buildings with significantly less floors already confront fire departments with major challenges.

- Many people are in danger in a confined space, even in apartments not yet directly affected by the fire.
- Exterior wall cladding and thermal insulation are often made of highly combustible material. As a result the fire spreads particularly fast to higher floors.
- Evacuation options are very limited. Common turntable ladders are only sufficient for lower floors.
- As limited as the escape options for occupants are the access options for the fire departments to fight the fire by interior attack.

The special challenges of high-rise applications have always played a major role for One Seven in its research work and in numerous practical tests of the systems. Today One Seven provides an unmatched compressed air foam technology and a unique extinguishing foam for fighting high-rise fires quickly, effectively and safely.

ONE SEVEN HIGH-RISE FEATURES



Verified delivery height 400 m



Use of normal pressure pumps and compressors



Optimal One Seven foam quality even at highest floors



Best extinguishing properties by usage of wet foam



Capacity: water-foam-solution 300 l/min + compressed air 3,000 l/min



High throwing distance of One Seven foam remains



All One Seven system advantages reliably existing in high-rise operation



Foam delivery possible in hose lines or in-house dry pipes

ONE SEVEN SYSTEM ADVANTAGES

- Quick start of the whole system by just one touch of a button
- Fully automated system control according to optimum values, no manual intervention required
- Permanent flow and pressure control, automated adjustment if necessary
- Always constant, optimum One Seven foam quality due to automated adjustment of mixing ratio
- Highest functional reliability due to permanent monitoring of all electrical components and parameters, automated emergency programs for continuous operation

ONE SEVEN FOAM ADVANTAGES

- Maximum cooling, separation and covering effect due to always constant, particularly dense and homogenous bubble structure
- Maximum isolation effect due to excellent adhesion properties to objects, walls and ceilings
- High throwing distance due to high kinetic energy and therefore high safety for firefighters
- Huge delivery lengths and heights due to high kinetic energy
- High mobility of firefighters due to hose lines filled with particularly light foam



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