



**FORGET EVERYTHING
YOU HAVE EVER HEARD
ABOUT COMPRESSED
AIR FOAM.**



ONE SEVEN IS THE BEST COMPRESSED AIR FOAM SYSTEM WORLDWIDE!



Since 25 years fire brigades all over the world fight fires with One Seven – whether building or vehicle fires, forest or bush fires or fires in industrial plants or tunnels. Thousandfold practical experience has been integrated into the further development of our unique One Seven system and has made One Seven the best compressed air foam system in the world.

Firefighters from Europe, Asia and Middle East do not want to miss One Seven in a case of fire since they are convinced of and enthusiastic about the uniqueness and the efficiency of the technology. This makes us proud and motivates us to further permanently develop our One Seven foam extinguishing systems to make the job of firefighters a little easier.

Trust the worldwide technology leader because One Seven is unmatched good:

- Unmatched fast extinguishing success even with low personnel deployment
- Unmatched 98 % less foam agent consumption
- Unmatched 75 % less water consumption
- Unmatched constant foam quality
- Unmatched high mobility due to extremely light hose lines
- Unmatched long-lasting adhesion of the extinguishing foam to combustible material and its environment
- Unmatched reliability due to permanent monitoring of system components
- Unmatched conveying lengths and heights of the foam



Åge Tøndevoldshagen,
Fire Chief Lesja og Dovre Brannvesen;
Norway



Walter Höfle,
Commander at firebrigade Bregenz-Rieden;
Austria

Two of many who do not want to miss One Seven.



OPERATION / CONTROL

- Simplest operation due to single-button-control and automatic pressure and flow control
- Highest reliability due to permanent monitoring of system components with several emergency programs
- Quick operation evaluation due to documentation in electronic log file

VEHICLE SYSTEMS

- Modular firefighting systems for any vehicle type
- Different system capacities for every purpose
- Longer operating time due to particularly efficient water and foam agent consumption

MANIFOLDS

- Guaranteed safe manifold operation
- Automatic adjustment of foam volume to the actual flow rate
- Automatic pressure and flow control

HOSE LINES / NOZZLES

- Large conveying distances over 2,000 m and large throw distances up to 25 m
- High mobility due to particularly light weight hose lines
- Convenient handling due to low flow pressure

HIGH-RISE OPERATION

- Conveying height up to 400 m with normal pressure pumps and compressors
- Effective firefighting with in fact wet foam (no dry foam!)
- All One Seven advantages reliably present for high-rise fires

FIREFIGHTING

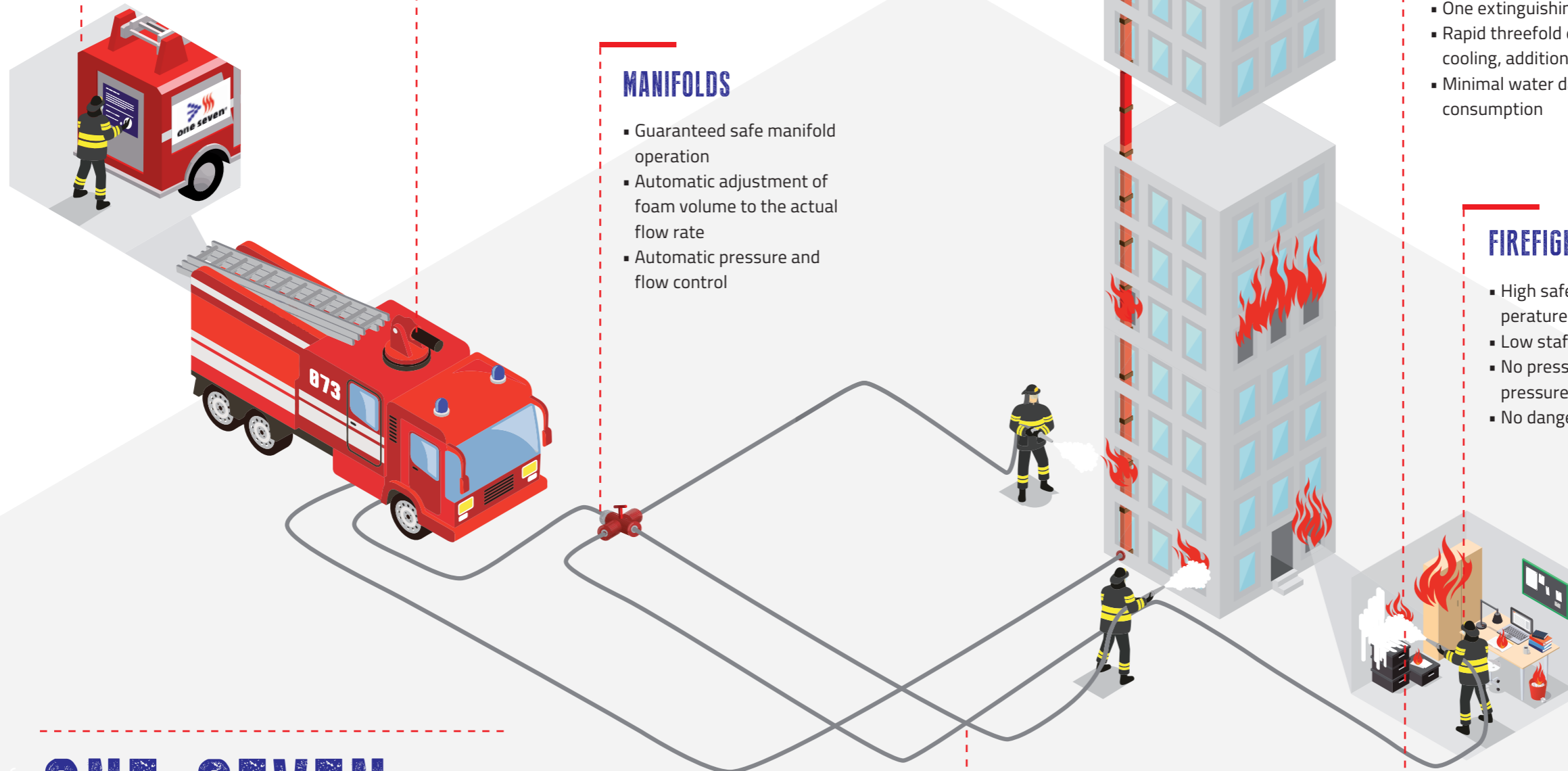
- One extinguishing agent for fires of all kinds
- Rapid threefold extinguishing by extreme fast cooling, additional to isolation and separation effect
- Minimal water damages due to most efficient water consumption

FIREFIGHTING FORCES

- High safety level due to particularly fast temperature reduction
- Low staff deployment due to easy hose handling
- No pressure based impacts due to automatic pressure control in fractions of a second
- No danger of slipping on One Seven foam

EXTINGUISHING FOAM

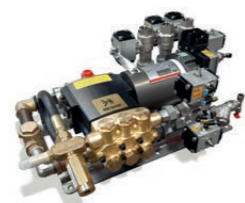
- Consistent, optimal foam quality due to automatic mixing pressure control
- Excellent adhesion on walls and ceilings
- High penetration power



ONE SEVEN AT A GLANCE.

UNIQUE TECHNOLOGY

AT A GLANCE.



PROPORTIONER

- Automatic adjustment of the proportioning rate when the foaming agent is changed
- No calibration effort
- Automatic priming, automatic rinsing, automatic drainage
- Permanent measurement of the flow rate of water and foaming agent
- Monitoring and indication of all operation-relevant parameters of motor and sensors
- Automatic adjustment of the flow rate in case of viscosity changes due to temperature fluctuation or change of foaming agent



MAGNETIC-INDUCTIVE SENSORS

- No moving parts that can adhere or could be damaged
- Small, compact and insusceptible to contamination design by partial volume measuring method
- Large flow measuring range
- Highly accurate measuring data



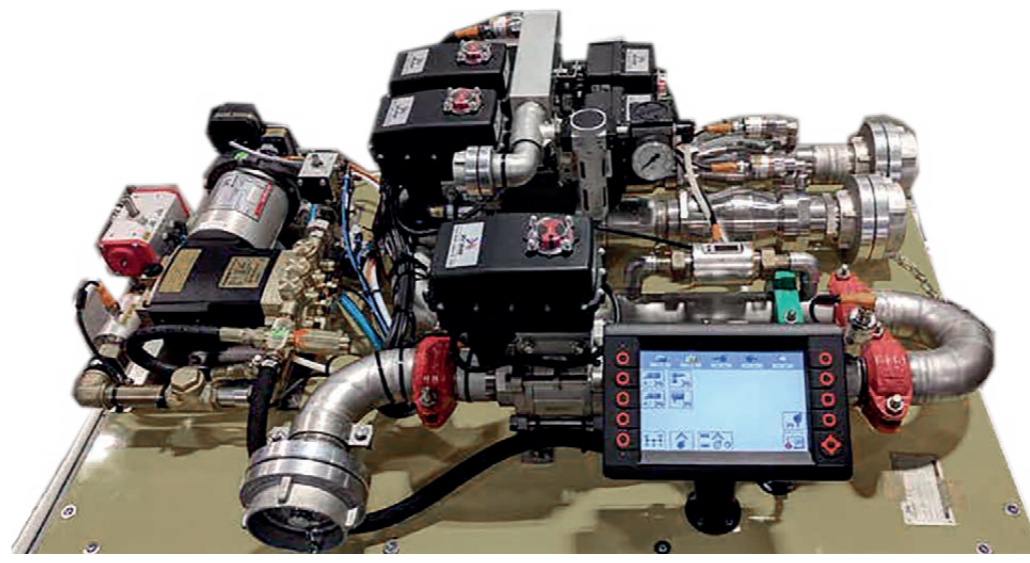
COMPRESSOR

- Compressor modules designed to meet specific requirements, thus no compressed air reservoir necessary
- Small installation volume and low weight due to compact design
- Incl. electro-pneumatic pressure control, temperature sensor with optical-acoustic warning



MAIN VALVE / PRESSURE REGULATING VALVE

- Permanent monitoring and automatic adjustment for constant inlet pressure
- No filtration required, insusceptible to contamination
- Automatic drainage
- CAN bus controlled, monitoring of the actuator



TOUCH SCREEN CONTROL PANEL

- Genuine one-touch-operation, can also be used with gloves
- Intelligent, optimized page layout with momentarily relevant control panels
- Self-explanatory icons, optimized visualization for error-free operation
- Storage of operation protocols with the most important parameters
- Error management with indication of the source of error for rapid troubleshooting and simplified service



CONTROL SYSTEM

- PLC with CAN communication
- Reliable functionality, high reliability
- Permanent monitoring of electrical components
- Monitoring of all sensors for wire breakage and damage
- Emergency programs to guarantee the continuation of the operation



MIXING PRESSURE REGULATION VALVE

- Unique One Seven mixing pressure control technology
- Guarantees a reproducible, consistent foam quality and volume
- Change of the hose line lengths has no influence on the One Seven foam quality



FOAM GENERATOR

- Variable flow control via CAN bus valves
- Automatic adjustment of foam quantity for the capacity of the selected outlet
- Re-adjustment of the foam quantity when switching between different outlets
- Each One Seven outlet is a multi-purpose outlet for One Seven wet and dry foam, water or wetting agent



AUTOMATIC VOLUME FLOW CONTROL

- Automatic regulation of foam production, appropriate to foam output
- Consistent foam quality, also in manifold operation
- Safe manifold operation

READY FOR OPERATION?

		OUTLETS	MAX. ONE SEVEN FOAM VOLUME*	MAX. WATER CONSUMPTION FOR ONE SEVEN FOAM*	MAX. VOLUME WATER/WETTING AGENT*
BUILT-IN SYSTEMS	OS-1400-100-B	1 x 1.5"	1,400	200	400
	OS-2700-010-B	1 x 2.5" or 2 x 1.5"	2,700	390	1,000
	OS-3000-010-OCFP	1 x 2.5" or 3 x 1.5"	3,000	430	800
	OS-4200-010-B	1 x 2.5" or 3 x 1.5"	4,200	600	1,000
	OS-5500-020-B	2 x 2.5" or 6 x 1.5"	5,500	790	2,000
	OS-6000-001-OCFP	2 x 2.5" or 6 x 1.5"	6,000	860	1,600
	OS-9200-021-B	3 x 2.5" or 9 x 1.5"	9,200	1,300	4,000
	OS-14400-022-B	4 x 2.5" or 12 x 1.5"	14,000	2,000	6,000
RETROFIT SYSTEMS	OS-1000-MR	1 x 1.5"	1,000	140	150
	OS-2600-MR	1 x 2.5" or 2 x 1.5"	2,600	370	1,000
	OS-3900-MR	1 x 2.5" or 3 x 1.5"	3,900	560	1,000
SELF-CONTAINED SYSTEMS	OS-300-TZ	1 x 1.0"	300	40	50
	OS-900-Tplus	1 x 1.5"	900	130	150
	OS-900-T SkidUnit	1 x 1.5"	900	130	150
	OS-900-TeC	1 x 1.5"	900	130	150
	OS-1000-T SkidUnit	1 x 1.5"	1,000	140	150
	OS-1000 HydDrive	1 x 1.5"	1,000	140	150
	OS-1800-TeC	1 x 1.5"	1,800	400	800

* (l/min)

Schmitz One Seven GmbH

Am Honigberg 31 | 14943 Luckenwalde | Germany

Phone: +49 3371 6913-0

Fax: +49 3371 6913-99

E-mail: info@oneseven.com



one seven®

www.oneseven.com

