



OS-9200-021-B

ONE SEVEN PTO-DRIVEN SYSTEM | MUNICIPAL APPLICATION

DESCRIPTION

The OS-9200-021-B is a large PTO-driven One Seven system designed for use at major incidents in municipal or industrial departments. It is usually fitted into tankers with self-sufficient foam supply for up to 60 min.

The maximum One Seven foam volume is 9,200 l/min, the flow capacity for water/wetting agent is up to 4,000 l/min (depending on the configuration of the system). The system's working pressure is 8 bar.

The system has two (2) 2.0" and one (1) 3.0" One Seven compact foam generators. Typically the 2.0" foam generators will be piped directly to the 3.0" discharge outlets, allowing the simultaneous operation of up to six (6) hand lines with a flow of 1,050 l/min One Seven foam each. The 3.0" foam generator is piped usually directly to the monitor, feeding it with a flow of up to 7,000 l/min of One Seven foam and allowing a throwing distance of up to 70 m. It is also possible to install a three-way-valve into the monitor outlet to feed a third discharge outlet from there.

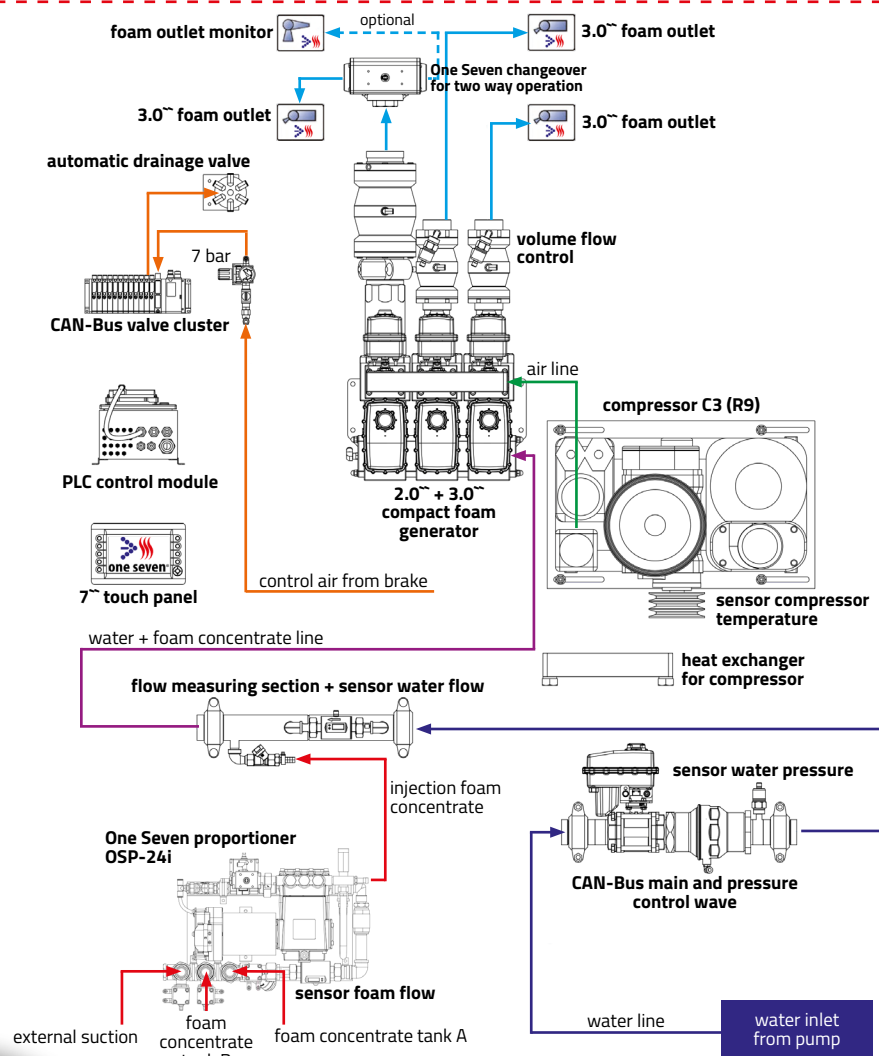
In combination with the unique One Seven foaming agents the OS-9200-021-B is a high-capacity, effective and reliable weapon against all kinds of fire.

ONE SEVEN SYSTEM ADVANTAGES

- Simple, error-free operation due to one-button control
- Operational reliability due to permanent component monitoring and redundancy systems
- Constant foam output due to automatic pressure and flow control
- Consistently optimal foam texture due to automatic control of the mixture of water and foaming agent
- Automatic optimization of system's performance when individual parameters are changed
- Long self-sufficient operating times due to low consumption of water and foaming agent



- Up to 9,200 l/min foam flow
- Operation of up to three 3.0" discharge outlets
- Simultaneous operation of up to nine 1.5" nozzles



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ONE SEVEN SYSTEM

Standard	CAFS 2000/6000 acc. EN 16327, ISO/DIS 7076-6
Foam Capacity	Max. 9,200 l/min
Expansion Ratio	Approx. 7 (wet foam), approx. 20 (dry foam)
Working Pressure	8 bar

SYSTEM CONFIGURATION

Foam Generators	(2) 2.0~ + (1) 3.0~ One Seven Compact Foam Generators (CFG)
Flow Capacity each 2.0~ CFG	Wet foam ^{1,2} : up to 600 l/min Water/Wetting agent: up to 1,000 l/min
Flow Capacity 3.0~ CFG	Wet foam ^{1,2} : up to 1,000 l/min Water/Wetting agent: up to 2,000 l/min
Optionally Available	(2) hose reel switchover, up to 150 l/min with automatic flow adjustment (1) 2.5~ handline outlet switchover up to 510 l/min including automatic flow adjustment (for simultaneous operation of (3) 3.0~ hand line outlets)

¹ amount of water-foam-solution without compressed air

² maximum flow for each CFG but limited to total combined flow of 1,200 l/min

FOAM PROPORTIONING SYSTEM

Drive	Electric synchronous motor 1 kW, CAN bus controlled, variable speed
Pump	Plunger pump
Water Sensor³	Magnetic-inductive flow meter, 50 ... 2,000 l/min
Foam Concentrate Sensor	Magnetic-inductive flow meter, 0.1 ... 100 l/min
Performance	0.3 ... 24 l/min at 10 bar
Working Pressure	Max. 16 bar
Proportioning Rate	0.1 ... 9.9 %, steplessly adjustable

³ bigger water flow sensors are optionally available (e. g. 100 ... 3,000 l/min or 200 ... 6,000 l/min)

COMPRESSED AIR SUPPLY

Source	OS C3 (R9) industrial rotory screw compressor
Drive	Belt drive / hydraulic drive
Power Consumption	Max. 54 kW
Performance	7,900 l/min at maximal pump speed 6,000 l/min at nominal pump speed
Working Pressure	Nom. 8 bar
Cooling	Water cooling