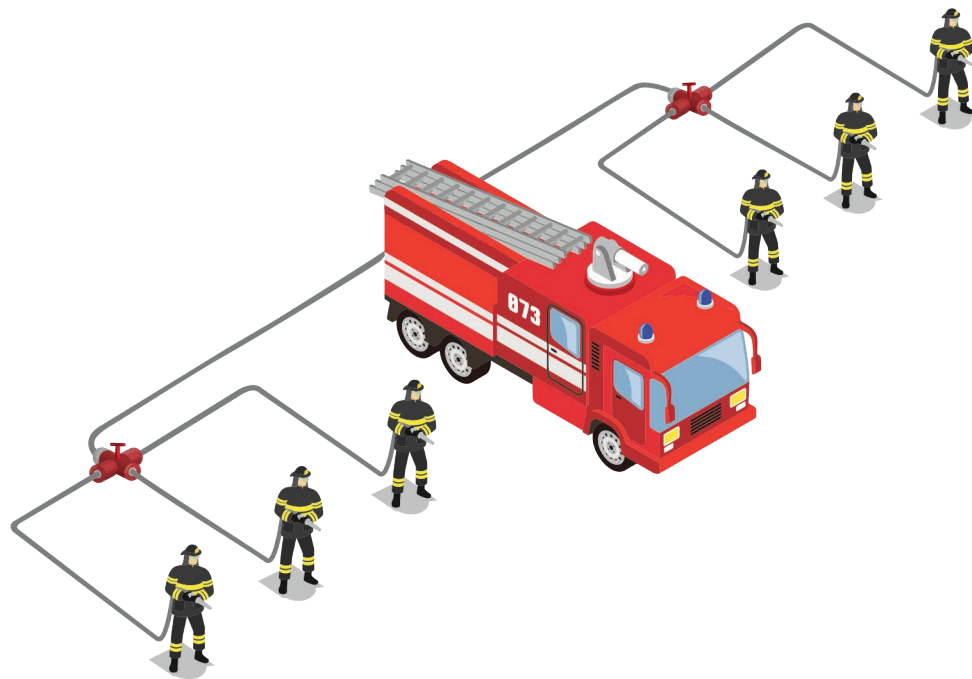




OS-5500-020-B

ONE SEVEN PTO-DRIVEN SYSTEM | MUNICIPAL APPLICATION



- **Up to 5,500 l/min foam flow**
- **Operation of up to two 3.0" discharge outlets**
- **Simultaneous operation of up to six 1.5" nozzles**

DESCRIPTION

The OS-5500-020-B is our standard PTO-driven One Seven system for installation in municipal frontline fire appliances.

The maximum One Seven foam volume is 5,500 l/min, the flow capacity for water/wetting agent is up to 2,000 l/min. The system's working pressure is 8 bar.

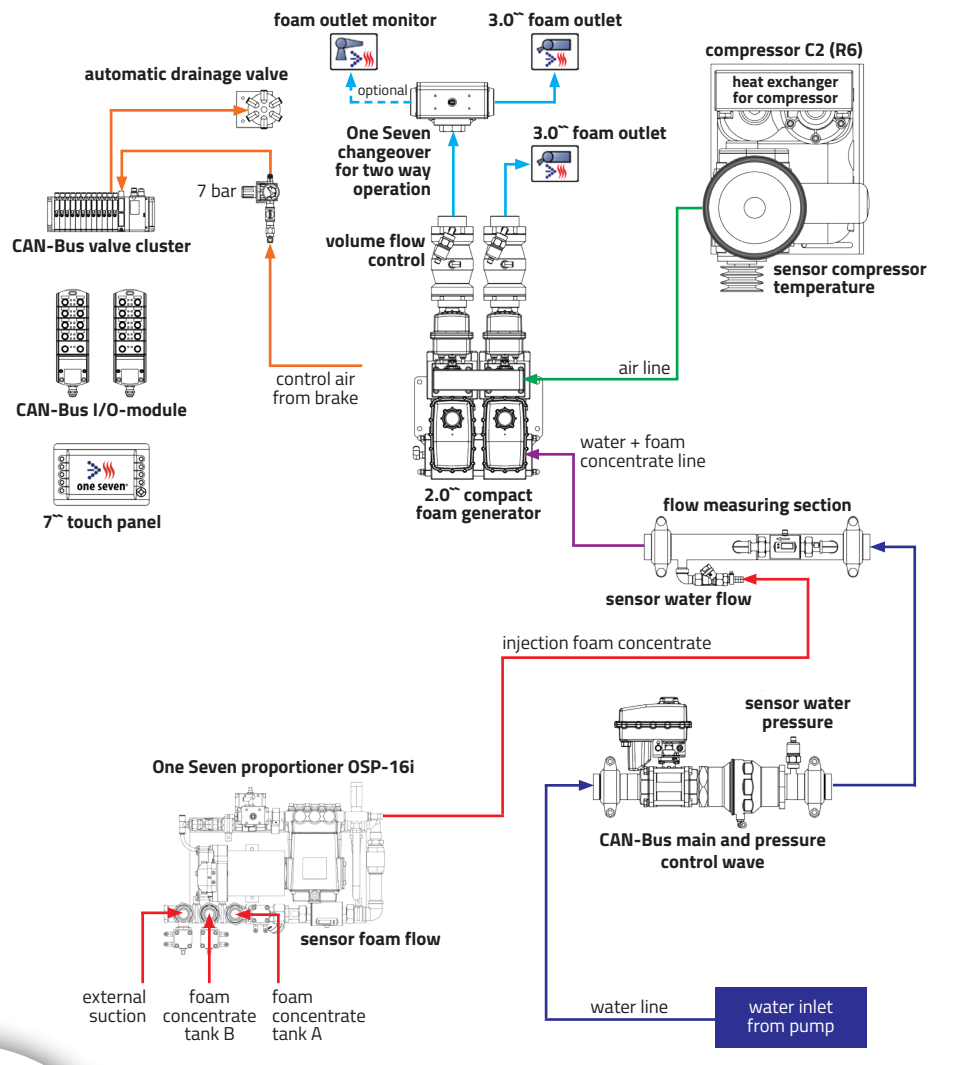
The system is fitted with two (2) 2.0" One Seven compact foam generators which allow the simultaneous operation of one wet foam and one dry foam outlet, e.g. in case of exposure protection combined with firefighting operation.

The OS-5500-020-B can supply two (2) 3.0" discharge outlets with a foam flow of up to 2,800 l/min (400 l water, 2,400 l air) each. The system allows the simultaneous operation of up to six (6) One Seven hand lines, respectively a monitor with a foam flow rate of up to 5,500 l/min.

In combination with the unique One Seven foaming agents the OS-5500-020-B is a reliable and effective 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 operating times due to lowest consumption of water and foaming agent



ONE SEVEN SYSTEM

Standard	CAFS 1600/4800 acc. EN 16327, ISO/DIS 7076-6
Foam Capacity	Max. 5,500 l/min
Expansion Ratio	Approx. 7 (wet foam), approx. 20 (dry foam)
Working Pressure	8 bar

SYSTEM CONFIGURATION

Foam Generators	Two (2) 2.0 One Seven Compact Foam Generators (CFG)
Flow Capacity each CFG	Wet Foam ^{1,2} : up to 400 l/min Water/Wetting agent: up to 1,000 l/min
Optionally Available	Two (2) hose reel switchover, up to 150 l/min with automatic flow adjustment Two (2) monitor switchover, up to 600 l/min with automatic flow adjustment

¹ amount of water-foam-solution without compressed air

² maximum flow for each CFG but limited to total combined flow of 800 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	0.2 ... 16 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 C2 (R6) industrial rotary screw compressor
Drive	Belt drive / hydraulic drive
Power Consumption	Max. 37 kW
Performance	4,700 l/min at maximal pump speed 3,600 l/min at nominal pump speed
Working Pressure	Nom. 8 bar
Cooling	Water cooling



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