



# OS-4200-010-B

ONE SEVEN PTO-DRIVEN SYSTEM | MUNICIPAL APPLICATION



- **Up to 4,200 l/min foam flow**
- **One 3.0" and one 1.5" discharge outlet**
- **Simultaneous operation of up to four 1.5" nozzles**

## DESCRIPTION

The OS-4200-010-B is a medium-sized PTO-driven One Seven system for installation in fire appliances.

The maximum One Seven foam volume is 4,200 l/min, the flow capacity for water/wetting agent is up to 1,000 l/min. The system's working pressure is 8 bar.

The system has one (1) 2.0" foam generator which can supply one (1) 3.0" and one (1) 1.5" discharge outlet with One Seven foam (3,150 l/min + 1,050 l/min), respectively a monitor with the maximum foam flow.

In combination with the unique One Seven foaming agents the OS-4200-010-B is a medium-sized, 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 lowest consumption of water and foaming agent



**Schmitz One Seven GmbH**

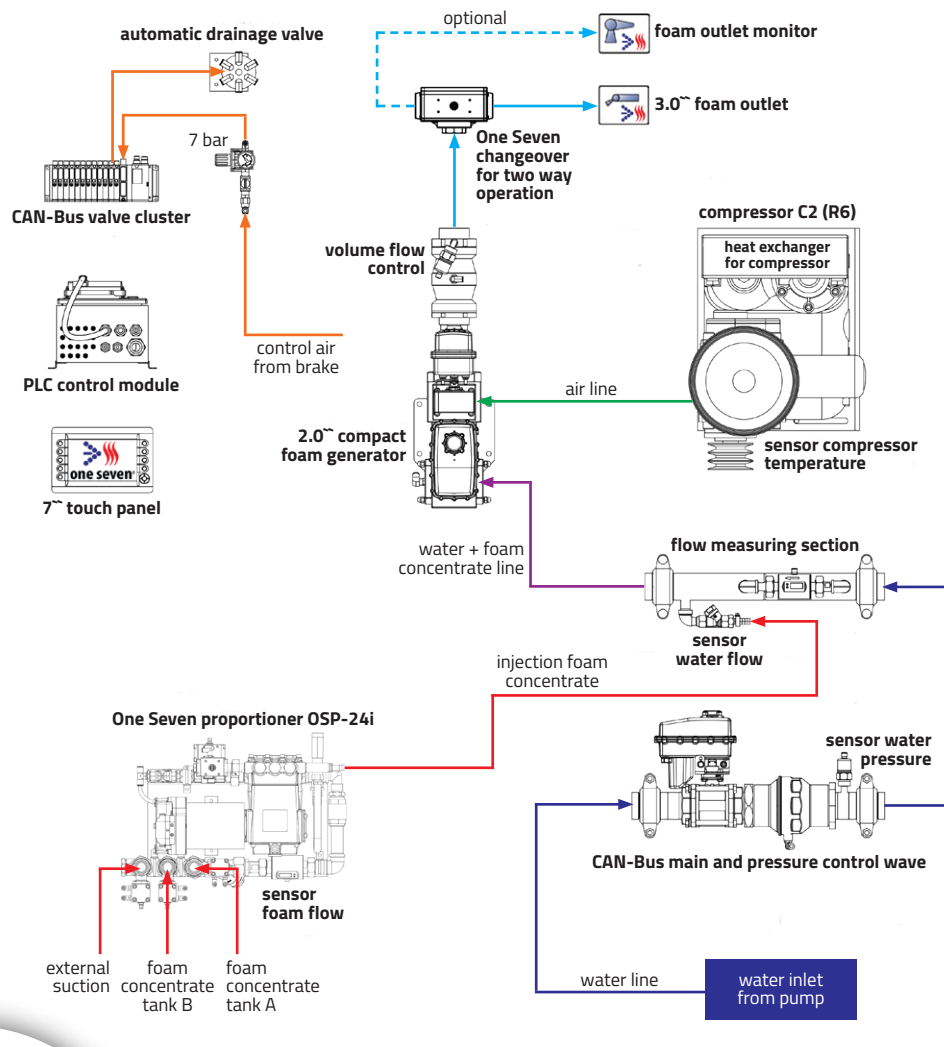
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## ONE SEVEN SYSTEM

<b>Standard</b>	CAFS 800/2400 acc. EN 16327, ISO/DIS 7076-6
<b>Foam Capacity</b>	Max. 4,200 l/min
<b>Expansion Ratio</b>	Approx. 7 (wet foam), approx. 20 (dry foam)
<b>Working Pressure</b>	8 bar

## SYSTEM CONFIGURATION

<b>Foam Generators</b>	One (1) 2.0" One Seven Compact Foam Generator (CFG), incl. outlet distributor for up to three (3) 1.5" outlets
<b>Flow Capacity</b>	Wet Foam <sup>1</sup> : up to 600 l/min Water/Wetting agent: up to 1,000 l/min
<b>Optionally Available</b>	One (1) hose reel outlet, up to 150 l/min with automatic flow adjustment One (1) monitor switchover, up to 600 l/min with automatic flow adjustment

<sup>1</sup> amount of water-foam-solution without compressed air

## FOAM PROPORTIONING SYSTEM

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

<sup>2</sup> bigger water flow sensors are optionally available (e. g. 100 ... 3,000 l/min or 200 ... 6,000 l/min)

## COMPRESSED AIR SUPPLY

<b>Source</b>	OS C2 (R6) industrial rotary screw compressor
<b>Drive</b>	Belt drive / hydraulic drive
<b>Power Consumption</b>	Max. 37 kW
<b>Performance</b>	4,800 l/min at maximal pump speed 3,600 l/min at nominal pump speed
<b>Working Pressure</b>	Nom. 8 bar
<b>Cooling</b>	Water cooling