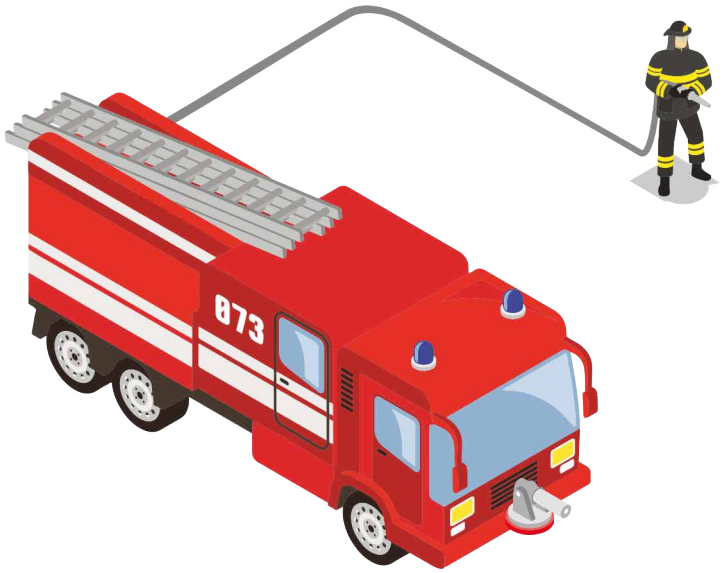
OS-1400-100-B

ONE SEVEN PTO-DRIVEN SYSTEM | MUNICIPAL APPLICATION



- **Up to 1,400 l/min foam flow**
- **One (1) 1.5˝˝ discharge outlet**
- **Operation of one (1) 1.5˝˝ nozzle**

DESCRIPTION

The OS-1400-100-B is a small PTO-driven One Seven system for installation in fire appliances.

The maximum One Seven foam volume is 1,400 litres per minute, the flow capacity for water/wetting agent is up to 400 litres per minute. The system´s working pressure is 8 bar.

The system has one (1) 1.5˝´ foam generator which supplies one (1) 1.5˝˝ discharge outlet with a foam flow of 1,050 l/min (150 l water, 900 l air), respectively a small monitor with a foam flow rate of up to 1,400 l/min.

In combination with the unique One Seven foaming agents the OS-1400-100-B is a compact but 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
- Automatic pressure and flow control for constant foam output
- Automatic control of the mixture of water and foaming agent for consistently optimal foam texture
- Automatic optimization of system´s performance when individual parameters are changed
- Lowest consumption of water and foaming agent for long operating times

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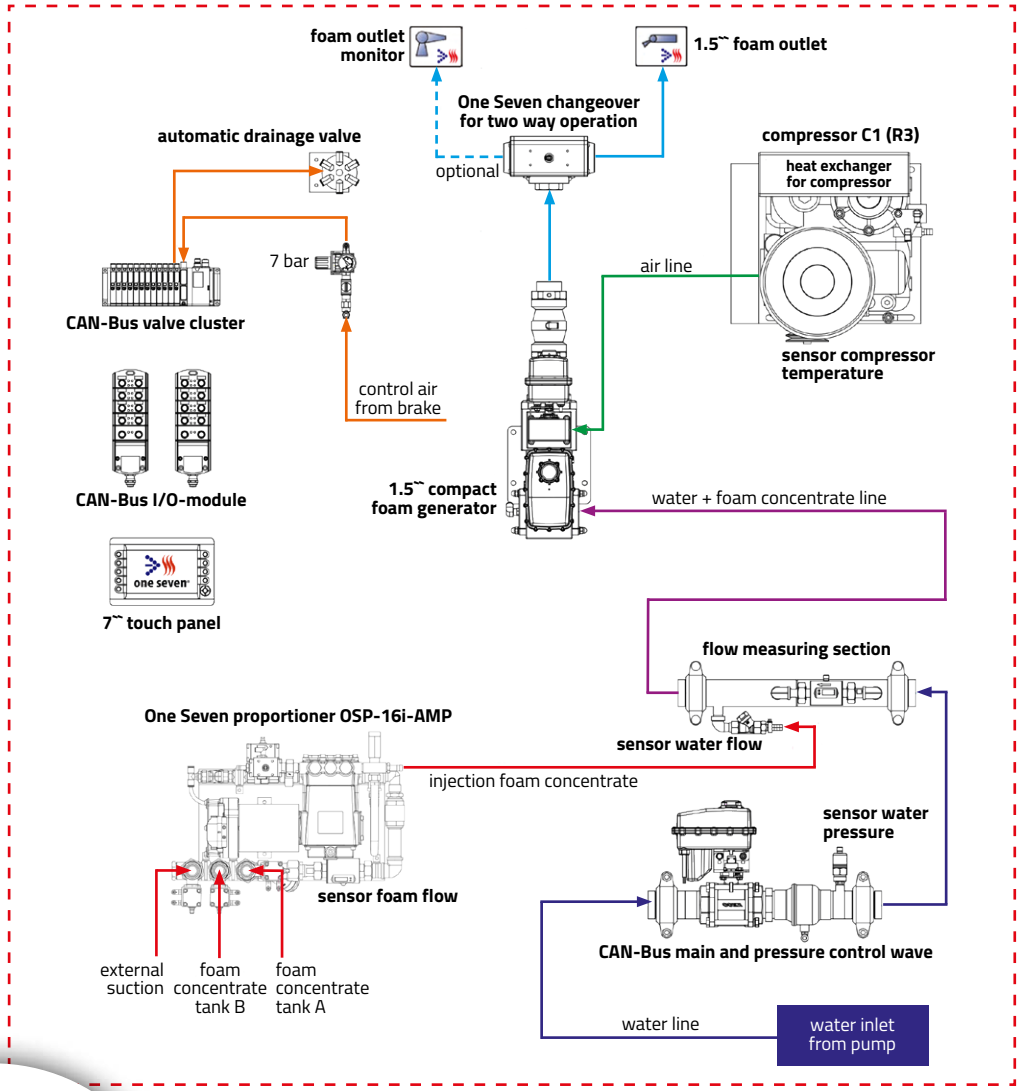

ONE SEVEN SYSTEM

Standard	CAFS 300/900 acc. EN 16327, ISO/DIS 7076-6
Foam Capacity	Max. 1,400 l/min
Expansion Ratio	Approx. 7 (wet foam), approx. 20 (dry foam)
Working Pressure	8 bar

SYSTEM CONFIGURATION

Foam Generators	One (1) 1.5˝ One Seven Compact Foam Generator (CFG)
Flow Capacity	Wet Foam[1]: up to 200 l/min Water/Wetting agent: up to 400 l/min
Optionally Available	One (1) hose reel switchover, up to 150 l/min with automatic flow adjustment

[1] amount of water-foam-solution without compressed air

FOAM PROPORTIONING SYSTEM

Drive	Electric synchronous motor 1 kW, CAN bus controlled, variable speed
Pump	Plunger pump
Water Sensor	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 ... 6.0 %, steplessly adjustable

COMPRESSED AIR SUPPLY

Source	OS C1 (R3) industrial rotory screw compressor
Drive	Belt drive / hydraulic drive
Power Consumption	Max. 19 kW
Performance	1,200 l/min at maximal pump speed 900 l/min at nominal pump speed
Working Pressure	Nom. 8 bar
Cooling	Water cooling

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