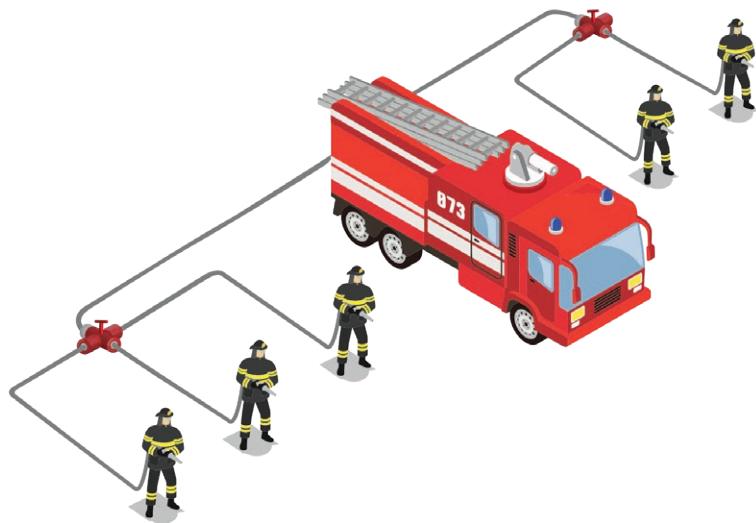




OS-5500-001-B

ONE SEVEN PTO-DRIVEN SYSTEM SERIES



- **Up to 5.500 l/min foam flow**
- **Operation of up to two 3.0" discharge outlets**
- **Simultaneous operation of up to five 1.5" nozzles**

DESCRIPTION

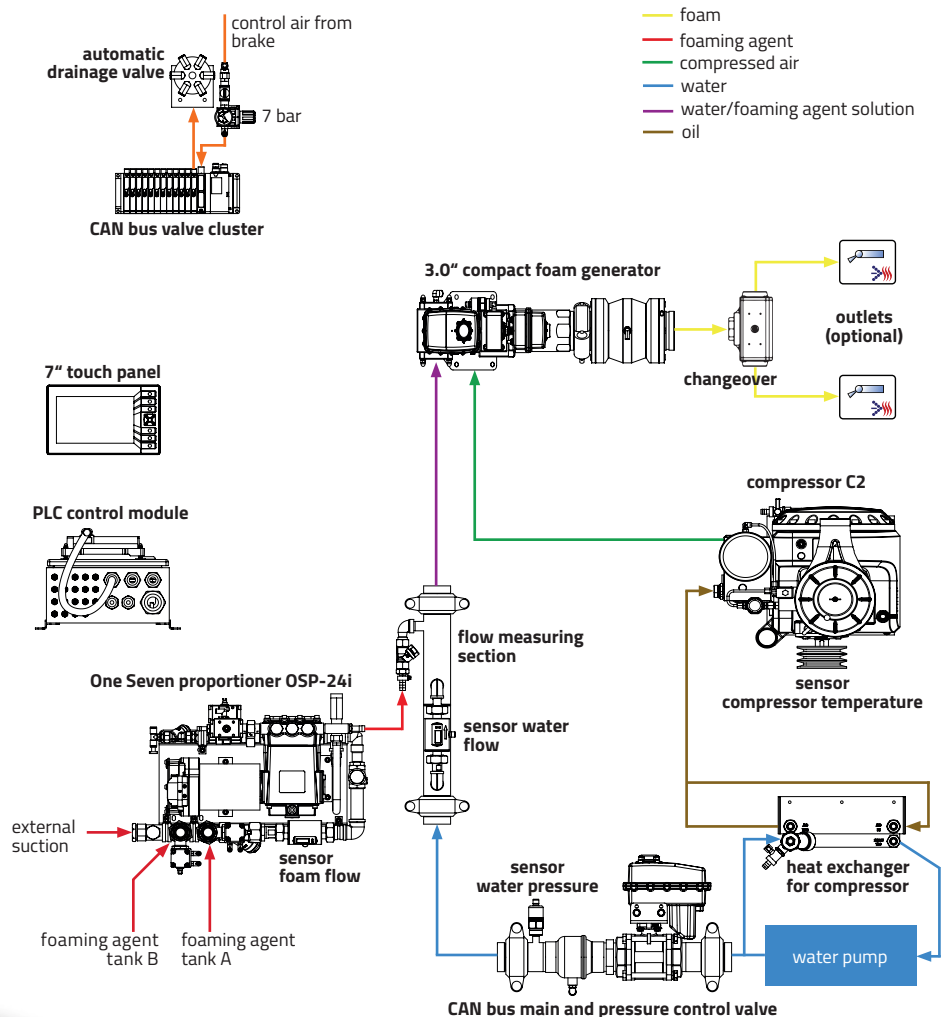
The OS-5500-001-B is a One Seven system for installation in powerful firefighting engines. It is powered by the vehicle's PTO.

The OS-5500-001-B is equipped with a 4,800 l/min compressor and one 3.0" One Seven compact foam generator (for comparison: OS-5500-020-B: 2x2.0" CFG). The system can produce a One Seven foam volume of up to 5,500 l/min. The maximum delivery rate of water or wetting agent is 2,000 l/min.

Several outlet variants are available which can be configured according to customers' needs.

ONE SEVEN SYSTEM ADVANTAGES

- Flexible „all-in-one system“ for One Seven compressed air foam, wetting agent or water
- Start of the whole system by just one touch of a button
- Fully automated system, no manual action required
- Permanent flow and pressure control, automated adjustment if necessary
- Always constant, optimum One Seven foam quality due to automated adjustment of the mixing ratio
- Highest functional reliability due to permanent monitoring of all electrical components and parameters, automated emergency programs for continuous operation
- Serial possibility of remote access for fast service



ONE SEVEN SYSTEM

| | |
|-------------------------|---|
| Standard | DLS 1200/3600 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 generator | (1) 3.0" One Seven Compact Foam Generator (CFG) |
| Water flow | Wet foam (water:air = 1:3): up to 1,200 l/min Wet foam (water:air = 1:6): up to 1,000 l/min Water/wetting agent: up to 2,000 l/min |
| Optionally available | <ul style="list-style-type: none"> Switchover for hose reel, monitor, front or back spray bar Outlet manifold for simultaneous operation of up to (5) 1.5" outlets and up to (2) 3.0" outlets |

FOAM PROPORTIONING SYSTEM

| | |
|-----------------------------|---|
| Standard | EN 16327 - PPPS 2400/0.1-1.0 |
| Drive | Electric brushless synchronous motor 1 kW, CAN bus controlled, variable speed |
| Pump | Plunger pump |
| Water sensor | Magnetic-inductive flow meter |
| Foaming agent sensor | Magnetic-inductive flow meter |
| Performance | 0.3 ... 24 l/min at 10 bar |
| Working pressure | Max. 16 bar |
| Proportioning rate | 0.1 ... 9.9 %, steplessly adjustable |

COMPRESSED AIR SUPPLY

| | |
|--------------------------|--|
| Source | OS C2 (R6) industrial rotary screw compressor |
| Drive | Belt drive / hydraulic drive |
| Power consumption | Max. 37 kW |
| Performance | 4,800 l/min at maximum pump speed 3,600 l/min at nominal pump speed |
| Working pressure | 8 bar |
| Cooling | water cooling |



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