



# 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

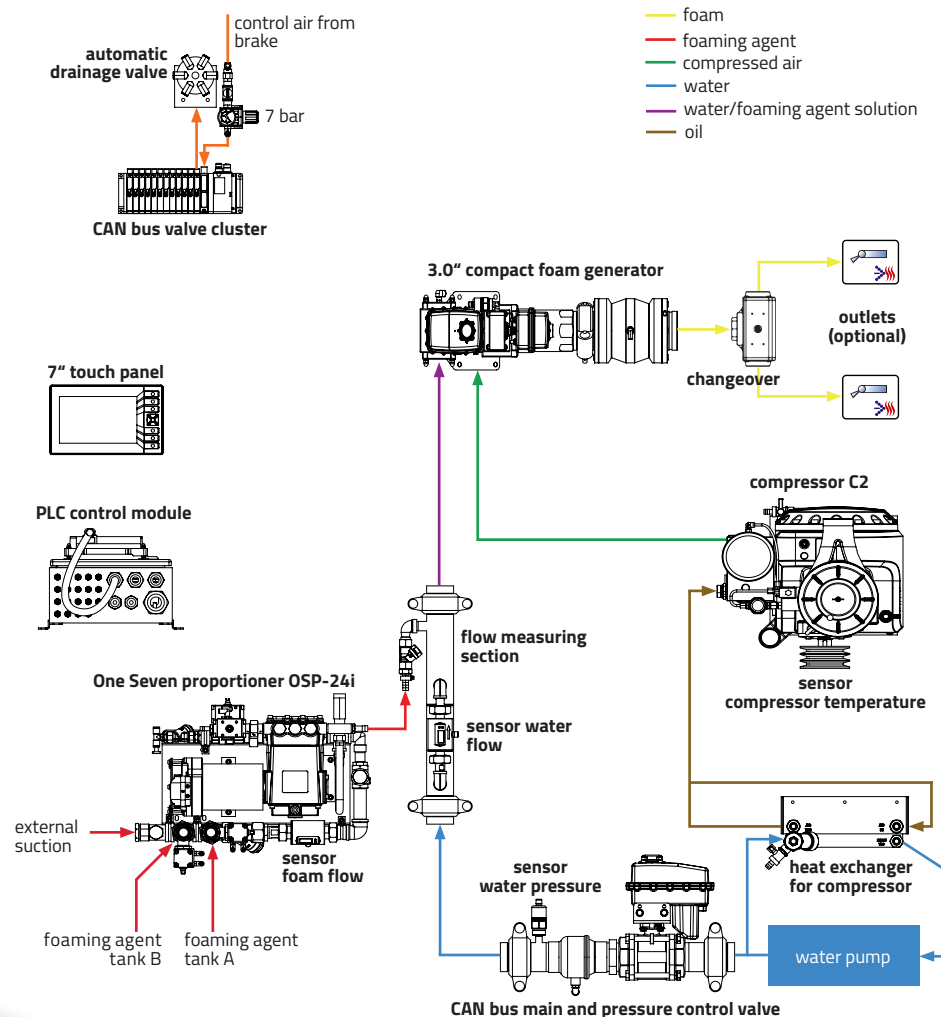
The OS-5500-001-B is a One Seven system for installation in powerful firefighting engines. It is powered by the vehicle's PTO.

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

|                         |                                             |
|-------------------------|---------------------------------------------|
| <b>Standard</b>         | DLS 1200/3600 acc. EN 16327, ISO/DIS 7076-6 |
| <b>Foam capacity</b>    | Max. 5,500 l/min                            |
| <b>Expansion ratio</b>  | Approx. 7 (wet foam), approx. 20 (dry foam) |
| <b>Working pressure</b> | 8 bar                                       |

## SYSTEM CONFIGURATION

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

## FOAM PROPORTIONING SYSTEM

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| <b>Standard</b>             | EN 16327 - PPPS 2400/0.1-1.0                                                  |
| <b>Drive</b>                | Electric brushless synchronous motor 1 kW, CAN bus controlled, variable speed |
| <b>Pump</b>                 | Plunger pump                                                                  |
| <b>Water sensor</b>         | Magnetic-inductive flow meter                                                 |
| <b>Foaming agent sensor</b> | Magnetic-inductive flow meter                                                 |
| <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                                          |

## 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 maximum pump speed<br>3,600 l/min at nominal pump speed |
| <b>Working pressure</b>  | 8 bar                                                                  |
| <b>Cooling</b>           | water cooling                                                          |



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