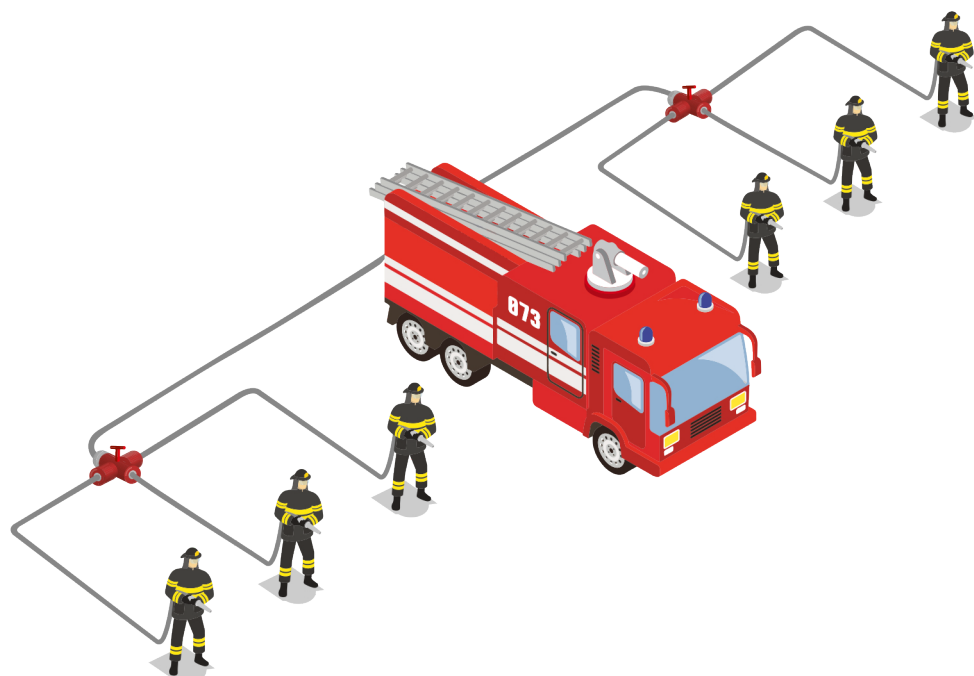




OS-6000-001-OCFP

ONE SEVEN PTO-DRIVEN SYSTEM | MUNICIPAL APPLICATION



- Up to 6,000 l/min foam flow
- Operation of up to two (2) 2.5" discharge outlets
- Simultaneous operation of up to six (6) 1.5" nozzles

DESCRIPTION

The OS-6000-001-OCFP is a fully assembled, ready for installation One Seven system with a NP3000 fire pump according to EN 1028-1 for integration in municipal fire appliances. It is a pre-engineered system with many unique technical features such as fully automated system operation, a discharge manifold with automatic flow control and advanced CAN bus PLC control unit.

The maximum One Seven foam flow is 6,000 l/min, the flow capacity for water/wetting agent is up to 1,600 l/min. The system's working pressure is 8 bar. Fitted with one (1) 3.0" One Seven foam generator it can supply two (2) 2.5" discharge outlets with a foam flow of up to 3,000 l/min 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 6,000 l/min providing a throwing distance of up to 70 m.

In combination with the unique One Seven foaming agents the OS-6000-001-OCFP is a reliable and effective weapon against all kinds of fires.

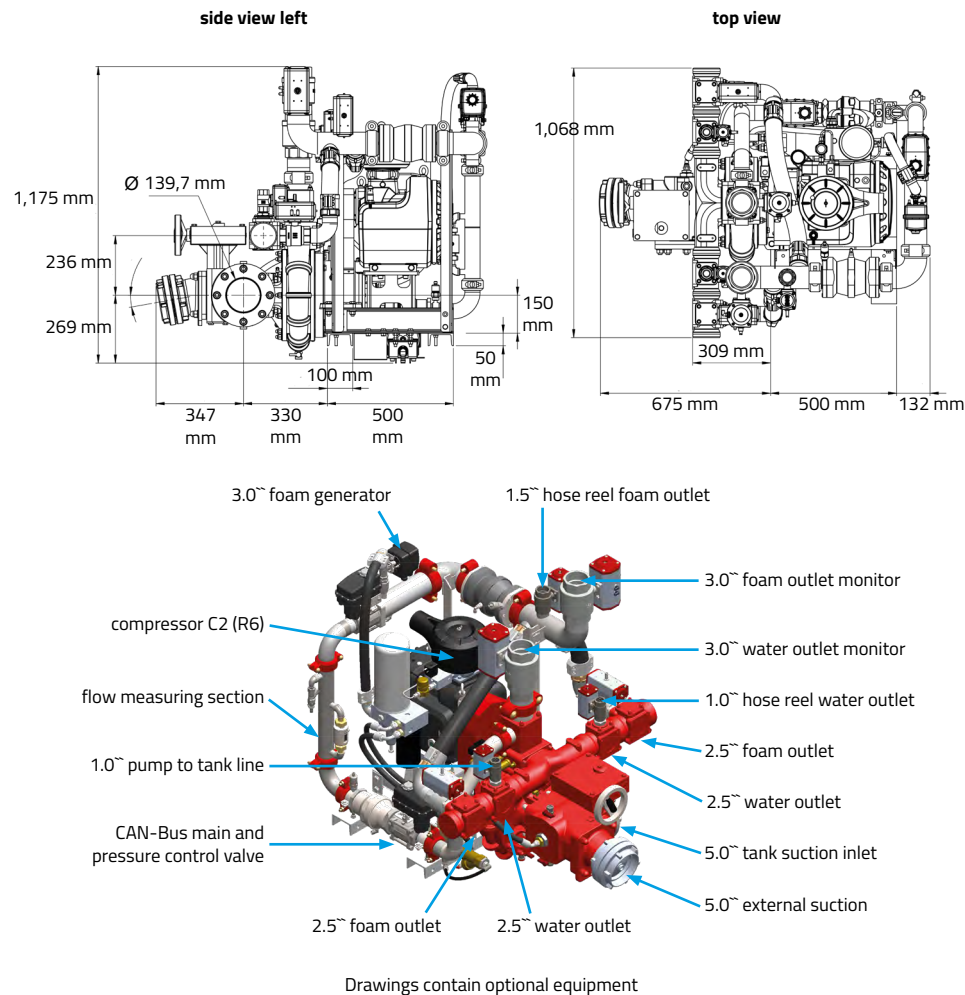
ONE SEVEN SYSTEM ADVANTAGES

- 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 self-sufficient operating times

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WATER PUMP

Type	Firefighting centrifugal pump NP 3000
Nominal Performance	3000 l/min @10bar
Nominal Speed	3000 RPM
Maximal Speed	3400 RPM
Turning Direction	Clockwise (View on the drive flange of the pump)
Power Consumption Water Pump	Nominal 79 kW

ONE SEVEN SYSTEM

Standard	CAFS 1600/4800 acc. EN 16327
Foam Capacity	Max. 6,000 l/min
Expansion Ratio	Approx. 7 (wet foam), approx. 20 (dry foam)
Working Pressure	8 bar
Drive Type	Flange (PTO) DN100
Nominal Power Consumption System (Water Pump + Compressor)	Nominal 118 kW
Voltage	24 VDC
Nominal Current Consumption	50 AMP
Total weight (dry)	500 Kg

SYSTEM CONFIGURATION

Foam Generator	One (1) 3.0" OC Foam Generator
Flow Capacity	Wet Foam ¹ : up to 1,600 l/min Water/Wetting agent ² : up to 1,600 l/min One (1) hose reel switchover, up to 150 l/min with automatic flow adjustment One (1) monitor switchover, up to 1,200 l/min with automatic flow adjustment
Optionally Available	

¹ water-to-air ratio 1:3

² amount of water-foam-solution without compressed air

COMPRESSED AIR SUPPLY

Source	OS C2 (R6) industrial rotary screw compressor
Drive	Belt drive
Performance	4,400 l/min at nominal pump speed 4,800 l/min at maximal pump speed
Working Pressure	Nominal 8 bar
Cooling	Water cooling
Power Consumption Compressor	Maximal 39 kW

FOAM PROPORTIONING SYSTEM

Type	OSP-24i
Standard	EN 16327 - PPPS 2400/0.1-1.0
Drive	Electric synchronous motor 1 kW, CAN bus controlled, variable speed
Pump	Plunger pump
Water Sensor²	Magnetic-inductive flow meter, 50 ... 2,000 l/min
Foam Concentrate Sensor	Magnetic-inductive flow meter, 0.1 ... 40 l/min
Performance	0.3 ... 24 l/min at 10 bar
Working Pressure	Maximal 16 bar
Proportioning Rate	0.1 ... 9.9 %, steplessly adjustable

² bigger water flow sensors are optionally available (e. g. 100 ... 3,000 l/min)