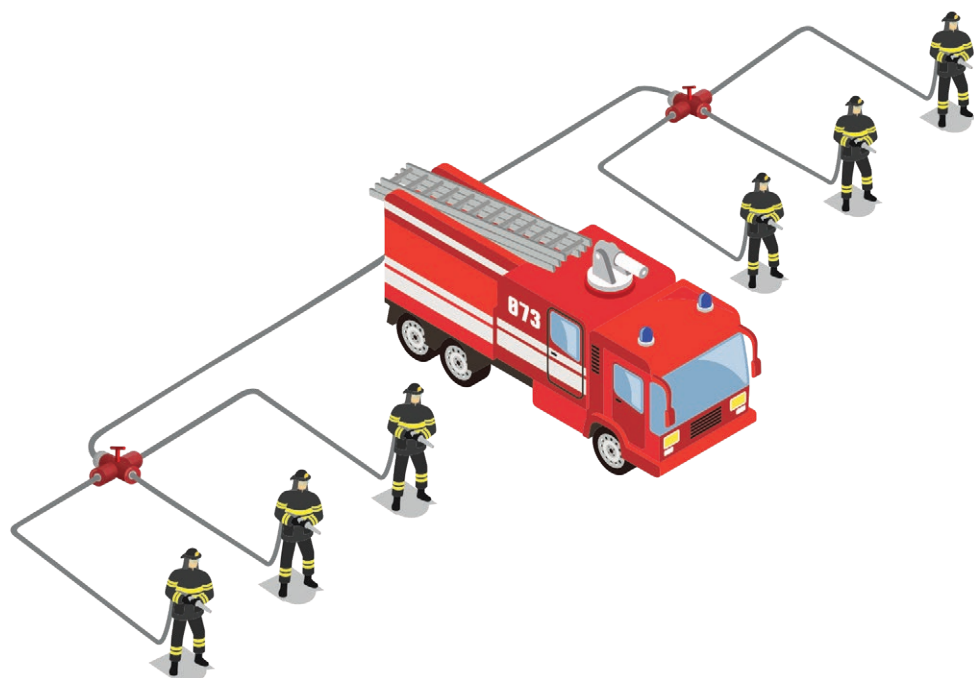




OS-6000-001-OCFP

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

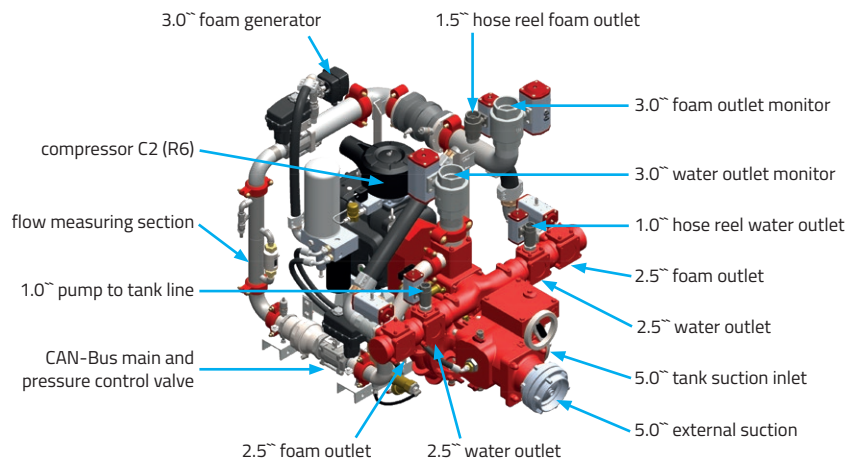
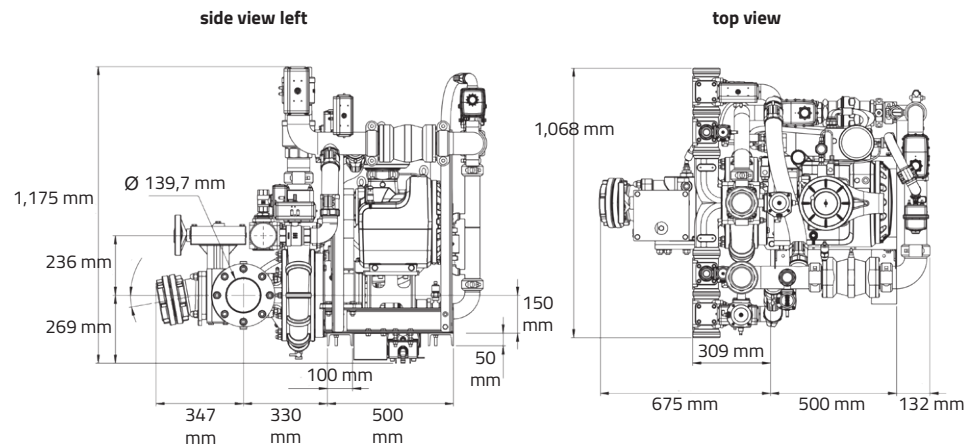
The OS-6000-001-OCFP is a fully assembled, ready for installation One Seven system with a NP3000 fire pump according to EN 1028-1 for integration in municipal fire appliances. It is a pre-engineered system with many unique technical features such as fully automated system operation, a discharge manifold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



Drawings contain optional equipment

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
Optionally Available	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

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)

Schmitz One Seven GmbH

Am Honigberg 31
14943 Luckenwalde | Germany
Phone: +49 3371 6913-0
Fax: +49 3371 6913-99
E-mail: info@oneseven.com

www.oneseven.com



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