

OS-1800-TeC

ONE SEVEN SELF-CONTAINED SYSTEM



DESCRIPTION

The OS-1800-TeC is a gasoline engine driven self-contained One Seven system. It allows multiple possibilities of use, in new vehicles as well as for retrofitting. It is designed for the installation in vehicles independent of a PTO and suitable for RIVs, vans, pick-ups, trailer platforms and even boats.

ONE SEVEN SYSTEM ADVANTAGES

- Flexible all-in-one system for One Seven compressed air foam, wetting-agent or just water
- Always the same premium class, most effective One Seven foam by automated component regulation
- Unrivalled ease of operation due to one-button control
- Flow and pressure monitoring and automatic adjustment without need of actions by operator
- Automatically controlled, gentle opening of the outlets without pressure bumps on people and material
- Flexible system installation due to freely selectable positioning of the control panel with 7" touch screen
- Long self-sufficient operating times due to low foam concentrate and low water consumption

ONE SEVEN COMPRESSED AIR FOAM ADVANTAGES

- Maximum cooling, separation and covering effect due to always constant, particularly dense and homogeneous bubble structure
- Maximum isolation effect due to excellent adhesion to objects, walls and ceilings
- Large throwing distances and thus higher safety for firefighting forces
- Large delivery lengths and heights with normal pressure pumps and compressors
- High mobility of nozzle operators due to hose lines filled with particularly light foam

ONE SEVEN SYSTEM

Dimensions (mm)	L x W x H = 1,200 x 800 x 900
Weight	Approx. 340 kg
Standard	CAFS 400/1200 acc. EN 16327, ISO/DIS 7076-6
Foam capacity	Max. 1,800 l/min
Expansion ratio	Approx. 7 (wet foam), approx. 20 (dry foam)
Working pressure	8 bar
Foam generator	(1) 2.0" One Seven Compact Foam Generator (CFG)
Water flow	Wet foam: up to 400 l/min Water/water-foam-solution: up to 800 l/min
Connections	<ul style="list-style-type: none">▪ (1) 4.5" suction inlet▪ (2) 0.75" foam concentrate inlets▪ (1) 2.0" combined outlet for foam, water-foam-solution or water
Outlet options	Change-over for fast attack, monitor or spray bars

FOAM PROPORTIONING SYSTEM

Standard	EN 16327 - PPPS 800/0.1-1
Drive	Electric brushless synchronous motor 1 kW, CAN bus controlled, variable speed
Foam pump	Plunger pump
Water sensor	Magnetic-inductive flow meter
Foam concentrate sensor	Magnetic-inductive flow meter
Performance	0.2 ... 8.0 l/min at 10 bar
Working pressure	Max. 16 bar
Proportioning rate	0.1 ... 9.9 %, steplessly adjustable

COMPRESSED AIR SUPPLY

Source	C1 (R2) industrial rotary screw compressor
Performance	1,500 l/min at 8 bar
Cooling	Water cooling

ENGINE

Type	EFI gasoline engine
Performance	29 kW (40 HP)
Starter	Electric, 12 V
Speed control	Automatic, self-regulating
Cooling	Air cooling
Fuel tank	External fuel canister

WATER PUMP

Type	Single stage centrifugal pump
Performance	800 l/min at 8 bar
Priming system	Automatic, ejector pump

OPTIONS

- Skid Unit-module including water tank
- Fuel pump for connection to vehicle fuel tank
- Various connection options for inlets and outlets
- Second control panel for driver's cabin



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