

# OS-900-TeC

ONE SEVEN SELF-CONTAINED SYSTEM



## DESCRIPTION

The OS-900-TeC is a stand-alone One Seven system powered by a gasoline engine. Its compact design and low weight enable a wide range of applications, both in new vehicles and for retrofitting. It is predestined for installation in vans, on pick-ups, on trailer platforms or on speedboats.

## 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
- Flexible system installation due to freely selectable positioning of the control panel
- Long operating times due to low foam concentrate and 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 insulation 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

<b>Dimensions (mm)</b>	L x W x H = 1,030 x 650 x 800
<b>Weight</b>	Approx. 220 kg
<b>Foam capacity</b>	Max. 900 l/min
<b>Expansion rate</b>	Approx. 7 (wet foam), approx. 20 (dry foam)
<b>Working pressure</b>	8 bar
<b>Foam generator</b>	(1) 1.5" One Seven mini foam generator
<b>Water flow</b>	Wet foam: up to 130 l/min Water/Water-foam-solution: up to 150 l/min
<b>Connections</b>	<ul style="list-style-type: none"><li>▪ (1) 1.5" suction inlet</li><li>▪ (1) 1.5" combined outlet for foam, water-foam-solution or water</li></ul>

## FOAM PROPORTIONING SYSTEM

<b>Drive</b>	Water-hydraulically driven
<b>Pump</b>	Proportional dosing pump
<b>Performance</b>	0.02 ... 2.6 l/min at 8 bar
<b>Working pressure</b>	Max. 8 bar
<b>Proportioning rate</b>	0.2 ... 2.0 %, steplessly adjustable

## COMPRESSED AIR SUPPLY

<b>Source</b>	C0 (R1) Industrial screw compressor
<b>Drive</b>	Belt drive
<b>Power consumption</b>	Max. 6 kW
<b>Working pressure</b>	8 bar
<b>Capacity</b>	780 l/min at 8 bar
<b>Cooling</b>	Water cooling, seawater resistant

## ENGINE

<b>Type</b>	EFI gasoline engine
<b>Performance</b>	17.2 kW (23 HP)
<b>Torque max.</b>	48 Nm at 3,600 RPM
<b>Starter</b>	Electric, 12 V
<b>Speed control</b>	Automatic, self-regulating
<b>Cooling</b>	Air cooling
<b>Fuel tank</b>	External fuel canister (fuel consumption 6 l/h at full load)

## WATER PUMP

<b>Type</b>	Single stage stainless steel centrifugal pump
<b>Performance</b>	350 l/min at 8 bar
<b>Priming system</b>	Automatic, ejector pump

## OPTIONS

- Switchover for hose reel
- Skid unit-module inkl. water tank and hose reel
- Separate 18-liter aluminum fuel tank
- Fuel pump with connection to vehicle fuel tank
- Internal 12V battery with connection to the internal alternator
- Second control panel for driver's cabin



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