



OSP-24i-T

PORTABLE ELECTRIC PROPORTIONING SYSTEM



DESCRIPTION

The portable One Seven proportioning system OSP-24i-T is an electrically driven positive pressure proportioning system to deliver and admix foaming agent to water. Up to six nozzles can be supplied with wetting agent simultaneously via manifolds. When using appropriate foam nozzles low expansion foam and medium expansion foam can be produced. The OSP-24i-T can be carried comfortably by two persons and thus be located and used very flexibly. The construction with robust frame and protective housing enables the use under rough operating conditions.

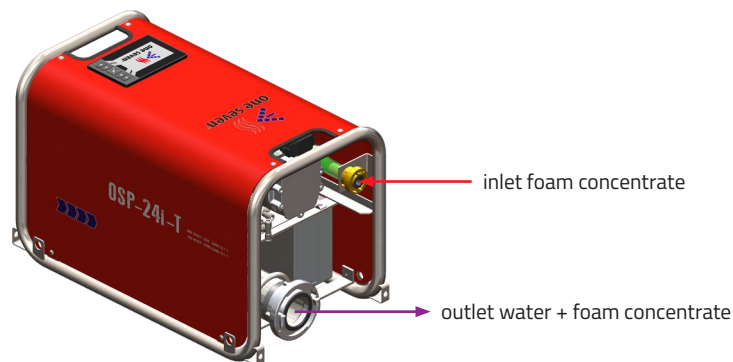
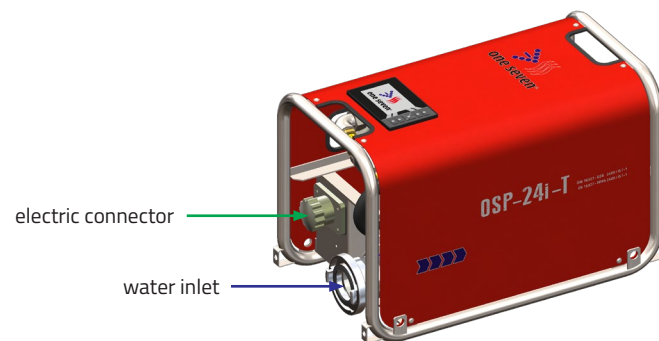
The foaming agent is metered automatically and highly accurate on the basis of the preset proportioning rate and the currently measured water volume flow. Deviations in the calculated delivery volume (e.g. due to viscosity changes caused by temperature fluctuations) are detected by high-precision sensors and are automatically adjusted by the system.

The integrated plunger pump is suitable for all foaming agents approved for firefighting up to a viscosity of 500 mPa*s. Of particular interest is the possibility of using modern „high-performance“ foaming agents with proportioning rates of economical 0.3 – 1.0%.

Intuitive operation is done via an integrated 5-inch color display with touchscreen. This display also shows the measured sensor data for system monitoring.

ADVANTAGES

- No calibration effort necessary
- Highly precise proportioning, even at lowest proportioning rates
- Highly accurate and reliable flow metering
- No manual adjustment necessary when foaming agent is changed
- Always constant, optimum proportioning rate, even when viscosity changes
- Quick restoration of operational readiness due to automatic priming, rinsing and drainage
- Most possible fail-safety, additionally covered by emergency programs



TECHNICAL DATA

Standard	PPPS 2400/0.1-1.0 (in accordance with EN 16327)
Drive	Electric, connection via two-pole NATO cable to the vehicle
Pump	Brass plunger pump
Cooling	Water cooling
Lubrication	Oil
Working pressure	Max. 16 bar
Voltage	24 V DC
Power consumption ¹	Max. 60 A (at max. working pressure)
Water flow measuring section	Magnetic-inductive flow meter, 100 ... 3,000 l/min
Nominal flow rate	100 ... 2,400 l/min
Pressure loss	Max. 1.0 bar (at nominal flow rate)
Foam concentrate sensor	Magnetic-inductive flow meter
Flow rate	0.3 ... 24 l/min at 10 bar
Proportioning rate	0.1 ... 9.9 %, steplessly adjustable
Suction height	Up to 1.50 m
Weight	Approx. 45 kg
Dimensions (L x W x H)	697 x 382 x 442 mm
Protection class	IP65

¹ Dependent on type of foaming agent

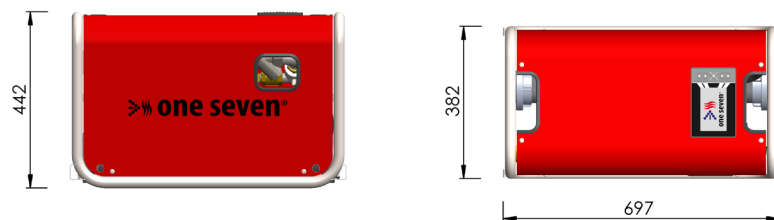
CONNECTIONS

Electronic connector	Two-pole NATO cable
Foam concentrate inlet	1.0" Storz
Water inlet	3.0" BSP, coupling optional
Water/wetting agent outlet	3.0" BSP, coupling optional

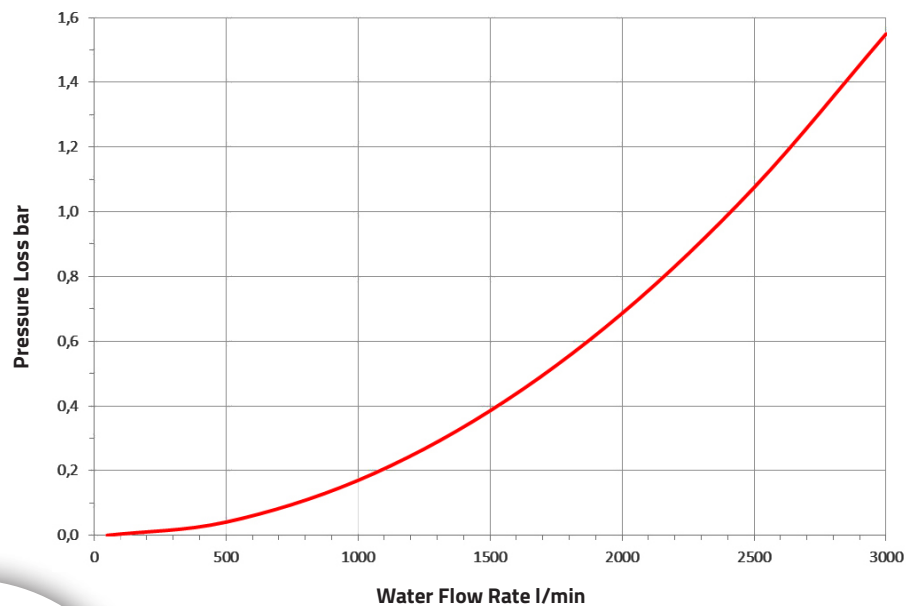
OPTIONAL EQUIPMENT

- Mounting rails for self-assembly
- Cable for power supply, on both sides with two-pole NATO connector

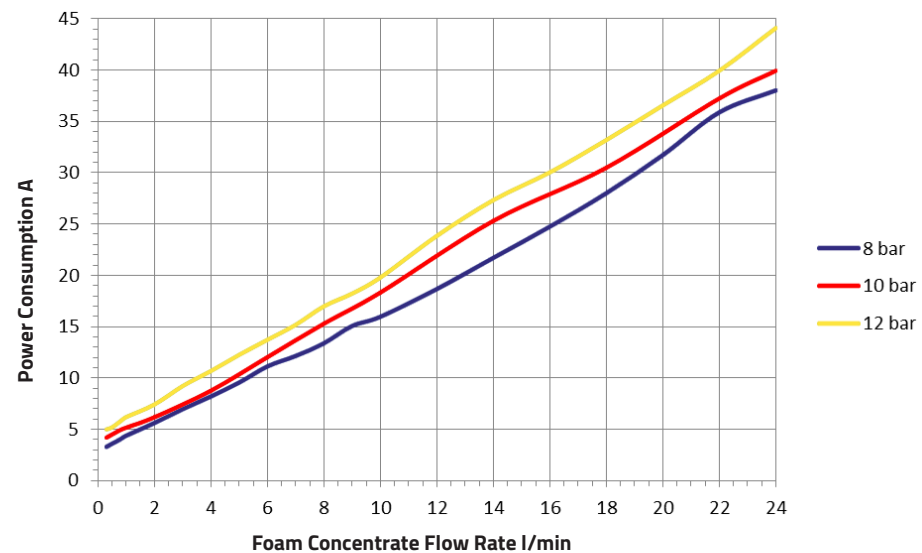
DIMENSIONS



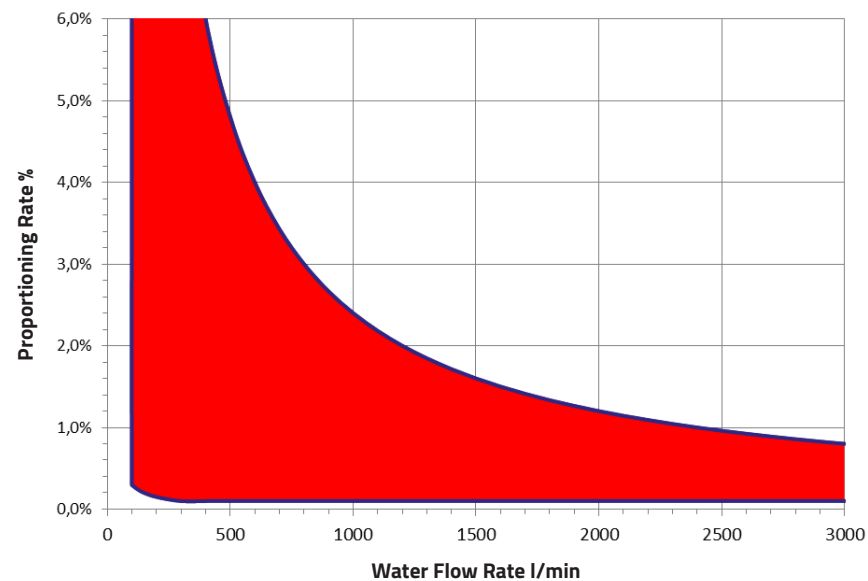
PRESSURE LOSS



POWER CONSUMPTION



PERFORMANCE



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