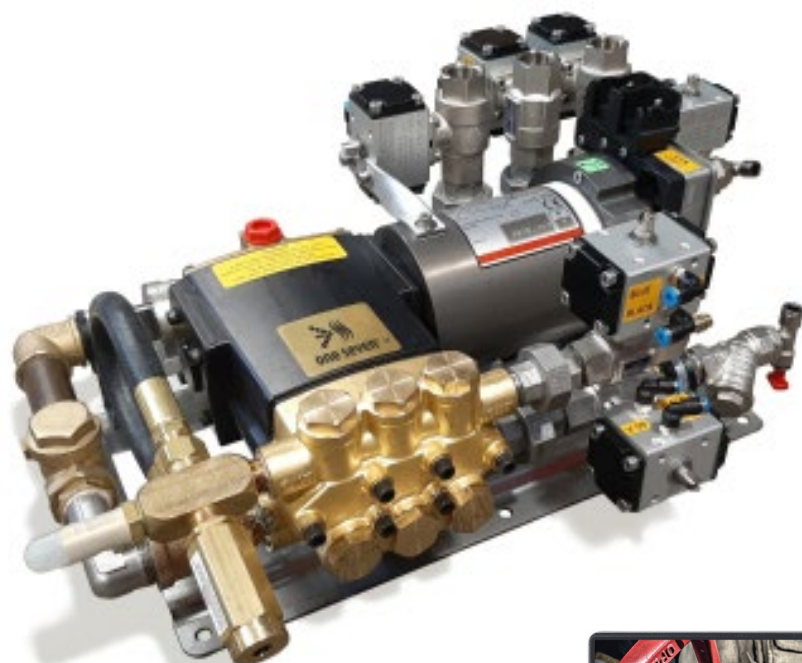




OSP-16i

ELECTRIC POSITIVE PRESSURE PROPORTIONING SYSTEM



DESCRIPTION

The One Seven proportioner OSP-16i is an electrically driven pressure proportioning system to deliver and mix foam concentrate to water. The foam concentrate is metered automatically 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 and automatically corrected by innovative sensor technology.

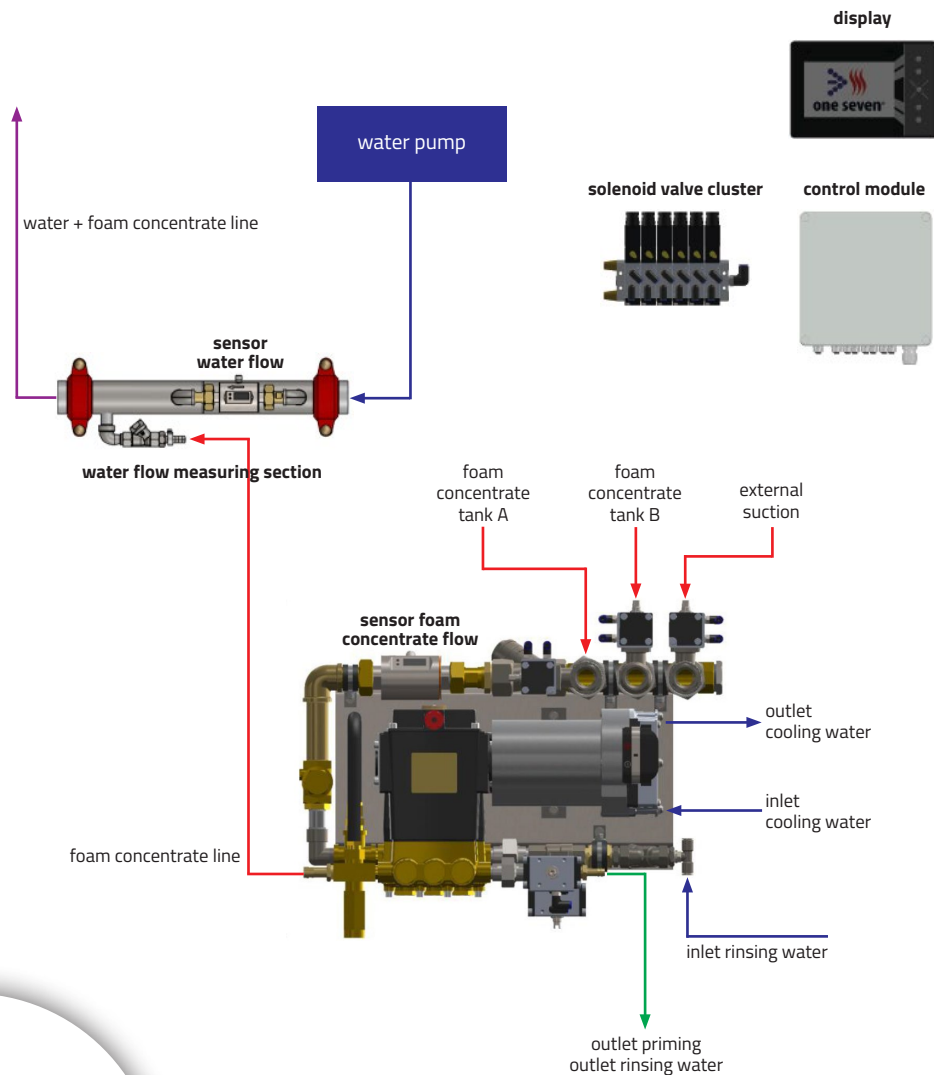
The color display allows intuitive operation. The sensor data for system monitoring are also displayed here. If necessary emergency programs for all essential functions of the proportioning system can be started at the push of a button.

The flow rate is between 0.2 and 16 l/min. The suction height with external suction is up to 1.50 m. The integrated plunger pump is suitable for all foaming agents approved for firefighting up to a viscosity of 500 mPa*s.

Several optional extras are available for the OSP-16i. These include tank filling pumps, tank level indicators and changeover valves for up to three foam concentrate tanks to enable a quick change of foam concentrate classes during firefighting operation.

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



Schematic drawing includes optional equipment

TECHNICAL DATA

Standard	EN 16327 - PPPS 1600/0.1-1.0
Drive	Electric brushless synchronous motor 1 kW, CAN bus controlled, variable speed
Pump	Brass plunger pump
Cooling	Water cooling
Lubrication	Oil
Working pressure	Max. 16 bar
Voltage	24 V DC
Power consumption ¹	Max. 40 A (at max. working pressure)
Water sensor	Magnetic-inductive flow meter, 50 ... 2,000 l/min
Foam concentrate sensor	Magnetic-inductive flow meter
Flow rate	0.2 ... 16 l/min at 10 bar
Proportioning rate	0.1 ... 9.9 %, steplessly adjustable
Weight	Approx. 20 kg
Dimension (L x W x H)	515 x 410 x 210 mm

¹ Dependent on type of foaming agent

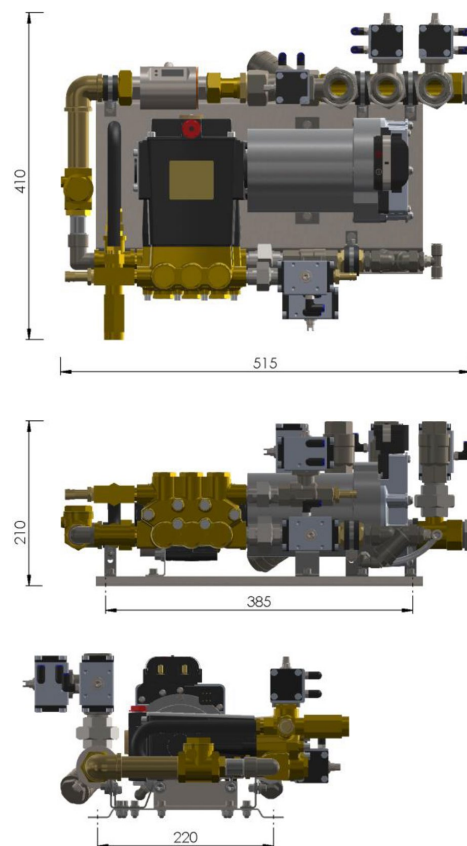
CONNECTIONS

Foam concentrate inlet	25 mm hose connection
Foam concentrate outlet	13 mm hose connection
Rinsing inlet	8 mm hose connection (quick connector)
Priming outlet	9 mm hose connection
Water cooling	8 mm hose connection (quick connector)

OPTIONAL CONFIGURATION

Water sensor	■ Magnetic-inductive flow meter, 15 ... 900 l/min ■ Magnetic-inductive flow meter, 100 ... 3,200 l/min
Changeover for foam concentrate inlets	■ For two (2) foam concentrate inlets ■ For three (3) foam concentrate inlets
Tank filling pump	Connection of up to two (2) tank filling pumps
Tank level indicator	Connection of up to two (2) tank level indicators
Intensive rinsing	Additional rinsing connection at the changeover valve
Display	7" touchscreen

DIMENSIONS



Drawings show configuration with three (3) foam concentrate inlets



One Seven Premium CAFS GmbH

Am Honigberg 31 | 14943 Luckenwalde | Germany

Phone: +49 3371 6913-0

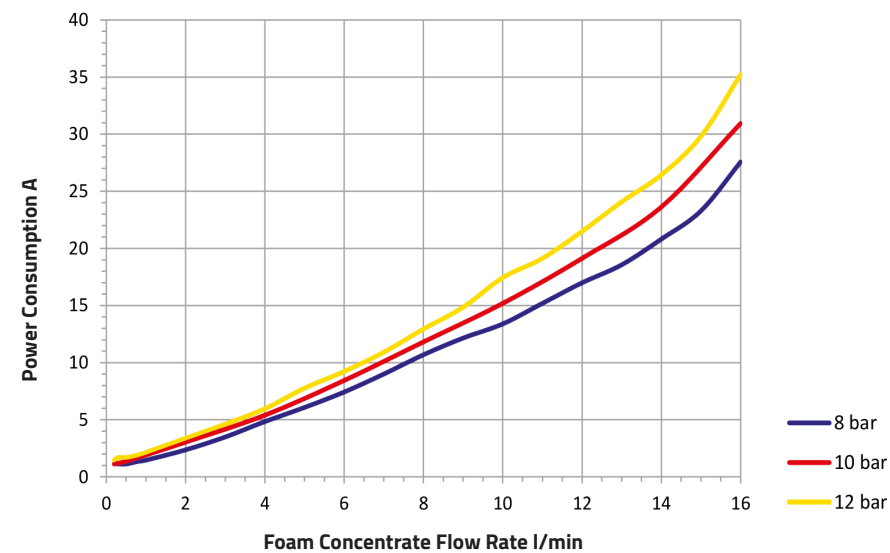
Fax: +49 3371 6913-99

E-mail: info@oneseven.com

www.oneseven.com



POWER CONSUMPTION



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