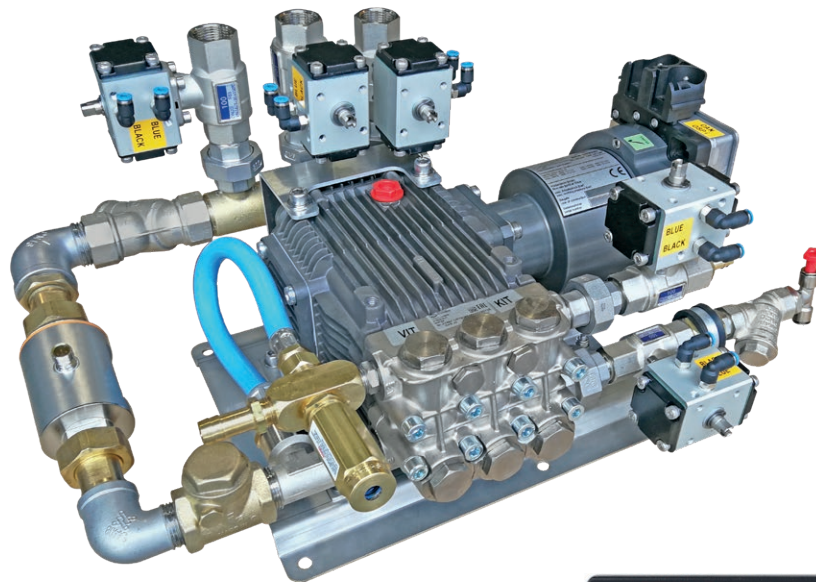




# OSP-24i

ELECTRIC POSITIVE PRESSURE PROPORTIONING SYSTEM



## DESCRIPTION

The One Seven proportioner OSP-24i 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.

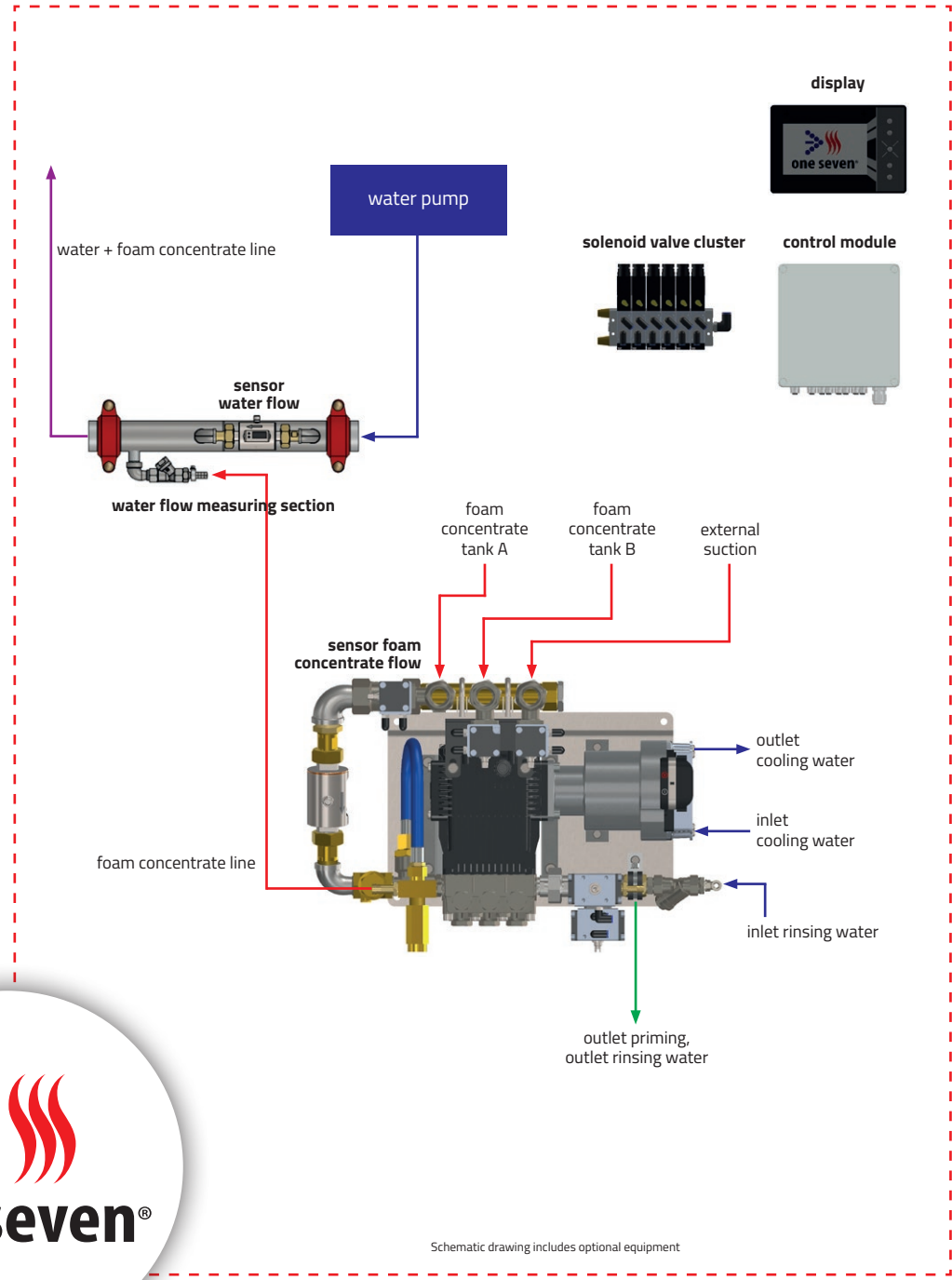
The color display allows intuitive operation. The sensor data for system monitoring are also displayed here. If necessary emergency programs for all essential functions of the proportioning system can be started at the push of a button.

The flow rate is between 0.3 and 24 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-24i. 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

<b>Standard</b>	EN 16327 - PPPS 2400/0.1-1.0
<b>Drive</b>	Electric brushless synchronous motor 1 kW, CAN bus controlled, variable speed
<b>Pump</b>	Brass plunger pump
<b>Cooling</b>	Water cooling
<b>Lubrication</b>	Oil
<b>Working pressure</b>	Max. 16 bar
<b>Voltage</b>	24 V DC
<b>Power consumption <sup>1</sup></b>	Max. 60 A (at max. working pressure)
<b>Water sensor</b>	Magnetic-inductive flow meter, 50 ... 2,000 l/min
<b>Foam concentrate sensor</b>	Magnetic-inductive flow meter, 0.1 ... 40 l/min
<b>Flow rate</b>	0.2 ... 24 l/min at 10 bar
<b>Proportioning rate</b>	0.1 ... 9.9 %, steplessly adjustable
<b>Weight</b>	Approx. 20 kg
<b>Dimension (L x W x H)</b>	545 x 360 x 245 mm

<sup>1</sup> Dependent on type of foaming agent

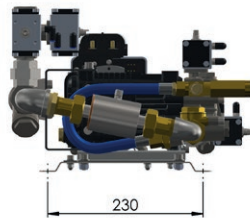
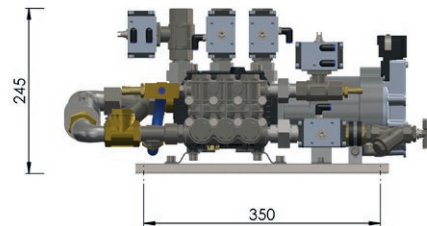
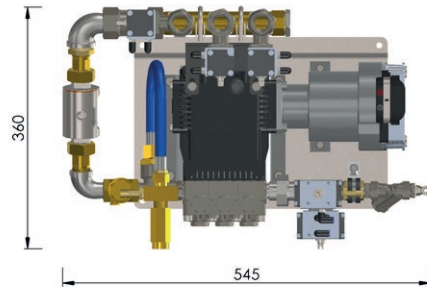
## CONNECTIONS

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

## OPTIONAL CONFIGURATION

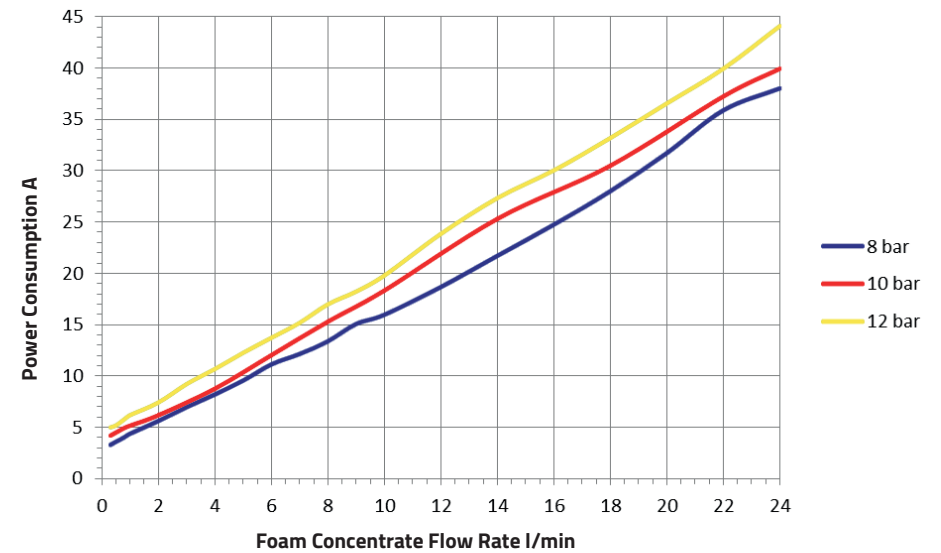
<b>Water sensor</b>	<ul style="list-style-type: none"> <li>▪ Magnetic-inductive flow meter, 15 ... 900 l/min</li> <li>▪ Magnetic-inductive flow meter, 100 ... 3,200 l/min</li> </ul>
<b>Changeover for foam concentrate inlets</b>	<ul style="list-style-type: none"> <li>▪ For two (2) foam concentrate inlets</li> <li>▪ For three (3) foam concentrate inlets</li> </ul>
<b>Tank filling pump</b>	Connection of up to two (2) tank filling pumps
<b>Tank level indicator</b>	Connection of up to two (2) tank level indicators
<b>Intensive rinsing</b>	Additional rinsing connection at the changeover valve

## DIMENSIONS

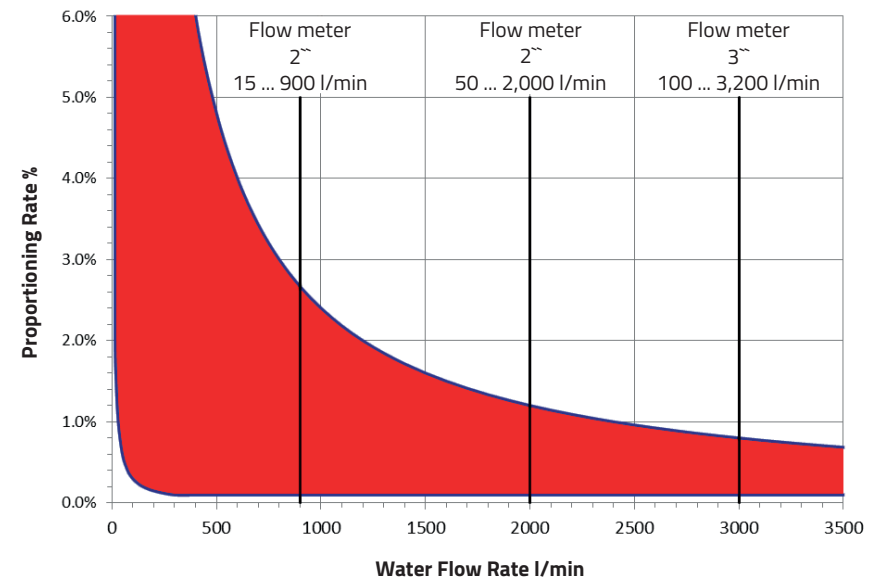


Drawings show configuration with three (3) foam concentrate inlets

## POWER CONSUMPTION



## PERFORMANCE



**one seven®**

**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](http://www.oneseven.com)

