



# Modular Sprinkler Pump Unit MSPU

Overview

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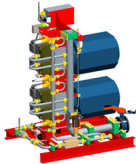

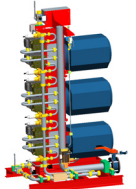

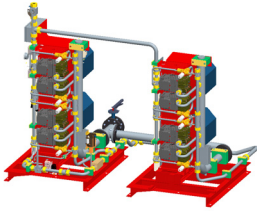

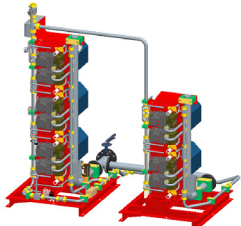

## Description

The Modular Sprinkler Pump Unit (MSPU) is designed to meet the requirements of land-based HI-FOG<sup>®</sup> systems, and is especially suited for systems requiring project-specific approvals by VdS. The modular design allows flexibility in construction: a large variety of different versions and pump unit sizes can be built by using the standard modules. The basic modules are pump modules PU2 and PU3, control cabinet, filter, and optionally break tanks and reservoirs. As the pump unit design is made in accordance with VdS requirements, it can be used as a part of an approved HI-FOG<sup>®</sup> system.

The basic features of the MSPU are:

- Automatic starts, manual start, and remote starts
- Gravity-based (non-electric) water feed to the pump unit
- Break water tank is not normally needed, but can be supplied on request
- Possibility to check the pump unit max pressure and flow on periodic testing

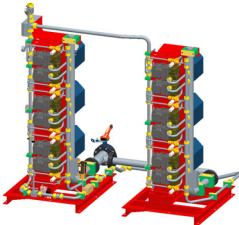

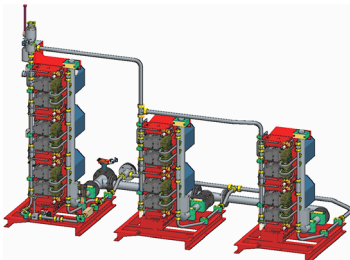

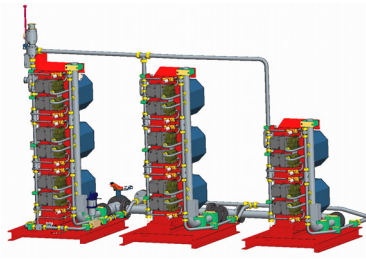

The specifications for the MSPU products are as follows:

Product	Pump unit	Starter Cabinet	Standard features	Standard options
MSPU2	 E012601.1	 O92031.A1	<ul style="list-style-type: none"> <li>• flow 195 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 160 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>
MSPU3	 E012602.1	 O93031.A1	<ul style="list-style-type: none"> <li>• flow 292 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 250 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>
MSPU4	 E012603 (MSPU2 + MSPU2 slave)	 O94031.A1	<ul style="list-style-type: none"> <li>• flow 390 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 315 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>
MSPU5	 E012604 (MSPU3 + MSPU2 slave)	 O95031.A1	<ul style="list-style-type: none"> <li>• flow 487 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 400 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>

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Product	Pump unit	Starter Cabinet	Standard features	Standard options
MSPU6	 E012605.1 (MSPU3 + MSPU3 slave)	 O96031.A1	<ul style="list-style-type: none"> <li>• flow 584 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 400 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>
MSPU7	 E012606 (MSPU3 + MSPU2 slave + MSPU2 slave)	 O97031.A1	<ul style="list-style-type: none"> <li>• flow 682 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 400 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>
MSPU8	 E012607 (MSPU3 + MSPU3 slave + MSPU2 slave)	 O98031.A1	<ul style="list-style-type: none"> <li>• flow 779 lpm</li> <li>• 140 bar pressure</li> <li>• 27 kW motors</li> <li>• 400 V, 50 Hz, 400 A</li> <li>• one electric supply</li> </ul>	<ul style="list-style-type: none"> <li>• filter unit</li> <li>• air compressor</li> </ul>

## Special order options

- Modular water tank system
- Break water tank
- Pump unit filter SAE 2 1/2" connection kit
- External feed water pump
- External feed water pump starter in the Starter Cabinet
- Two electric supplies and automatic switchover function
- Supply voltage
- 60 Hz frequency
- Soft starters
- Aluminium motors
- Motor power 22,5 kW, 110/110 bar
- Connecting cables special lengths (15 m, 20 m)

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## For more information

- MSPU2 Data Sheet DOC0001715
- MSPU3 Data Sheet DOC0001716
- MSPU4 Data Sheet DOC0001717
- MSPU5 Data Sheet DOC0001719
- MSPU6 Data Sheet DOC0001720
- MSPU7 Data Sheet DOC0001721
- MSPU8 Data Sheet DOC0001722
- Filter Unit Data Sheets TE9004 and TE9018
- Modular Tank Unit Data Sheet DOC0001724
- MSPU Operating and Maintenance Manual DOC0001718