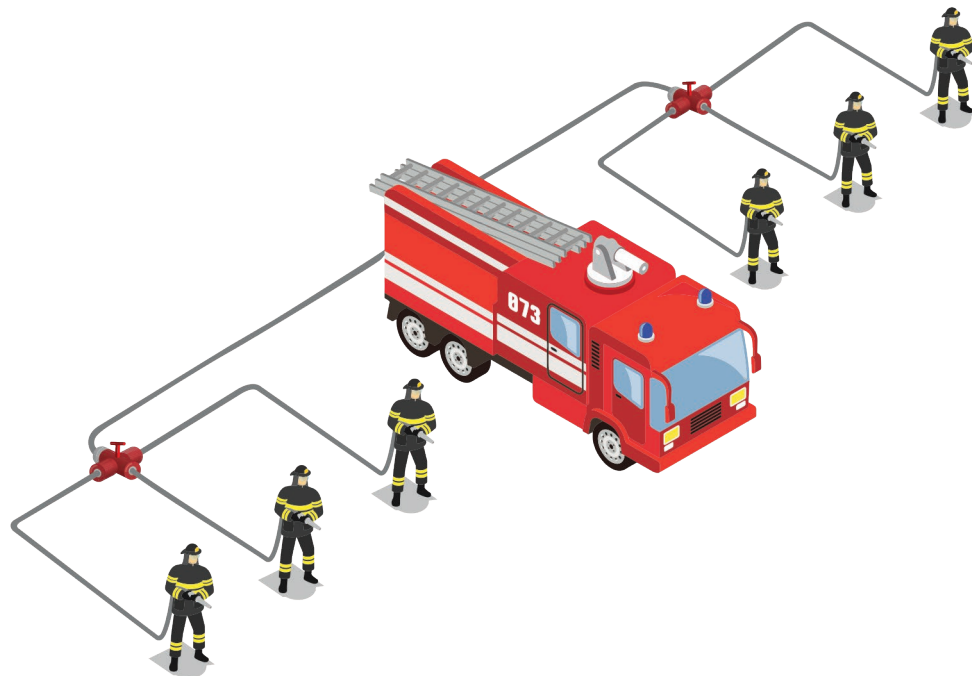




# OS-6000-001-OCFP

ONE SEVEN PTO-DRIVEN SYSTEM | MUNICIPAL APPLICATION



- **Up to 6,000 l/min foam flow**
- **Operation of up to two 3.0" discharge outlets**
- **Simultaneous operation of up to six 1.5" nozzles**

## DESCRIPTION

The OS-6000-001-OCFP is a fully assembled, ready for installation One Seven system with a NP3000 fire pump according EN 1028-1 for integration in municipal fire appliances. It is a pre-engineered system with many unique technical features such as fully automatized system operation, a discharge manifold with automatic flow control and advanced CAN bus PLC control unit.

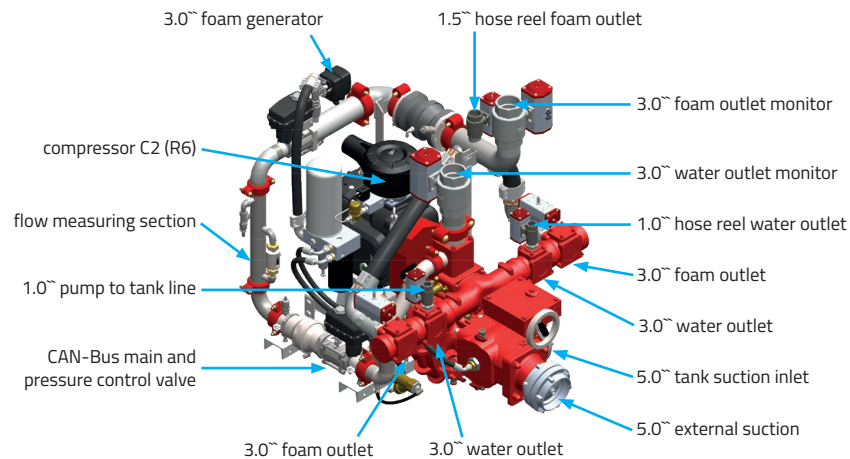
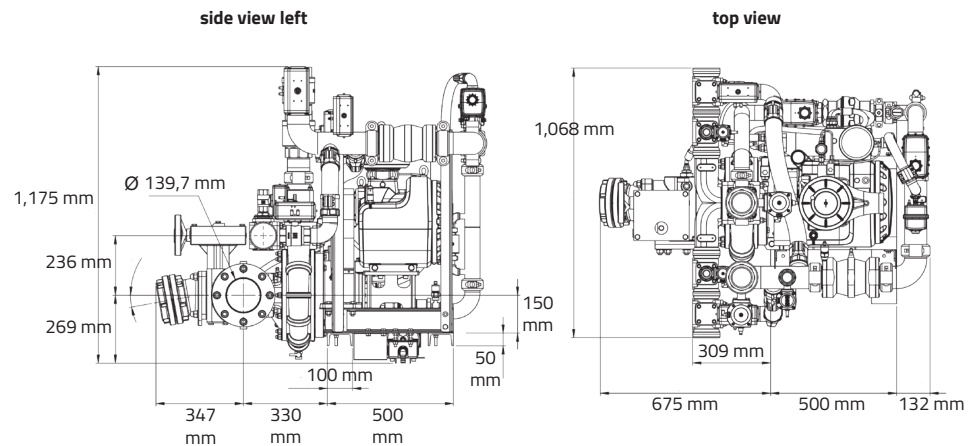
The maximum One Seven foam flow is 6,000 l/min, the flow capacity for water/wetting agent is up to 1,600 l/min. The system's working pressure is 8 bar.

Fitted with one (1) 3.0" One Seven foam generator it can supply two (2) 3.0" discharge outlets with a foam flow of up to 3,000 l/min each. The system allows the simultaneous operation of up to six (6) One Seven hand lines, respectively a monitor with a foam flow rate of up to 6,000 l/min providing a throwing distance of up to 70 m.

In combination with the unique One Seven foaming agents the OS-6000-001-OCFP is a reliable and effective weapon against all kinds of fires.

## ONE SEVEN SYSTEM ADVANTAGES

- Simple, error-free operation due to one-button control
- Operational reliability due to permanent component monitoring and redundancy systems
- Constant foam output due to automatic pressure and flow control
- Consistently optimal foam texture due to automatic control of the mixture of water and foaming agent
- Automatic optimization of system's performance when individual parameters are changed
- Long operating times due to lowest consumption of water and foaming agent



Drawings contain optional equipment

## ONE SEVEN SYSTEM

<b>Standard</b>	CAFS 1600/4800 acc. EN 16327
<b>Foam Capacity</b>	Max. 6,000 l/min
<b>Expansion Ratio</b>	Approx. 7 (wet foam), approx. 20 (dry foam)
<b>Working Pressure</b>	8 bar

## SYSTEM CONFIGURATION

<b>Foam Generator</b>	One (1) 3.0" OC Foam Generator
<b>Flow Capacity</b>	Wet Foam <sup>1</sup> : up to 1,600 l/min Water/Wetting agent <sup>2</sup> : up to 1,600 l/min
<b>Optionally Available</b>	One (1) hose reel switchover, up to 150 l/min with automatic flow adjustment One (1) monitor switchover, up to 1,200 l/min with automatic flow adjustment

<sup>1</sup> water-to-air ratio 1:3

<sup>2</sup> amount of water-foam-solution without compressed air

## FOAM PROPORTIONING SYSTEM

<b>Drive</b>	Electric synchronous motor 1 kW, CAN bus controlled, variable speed
<b>Pump</b>	Plunger pump
<b>Water Sensor<sup>2</sup></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>Performance</b>	0.2 ... 16 l/min at 10 bar
<b>Working Pressure</b>	Max. 16 bar
<b>Proportioning Rate</b>	0.1 ... 9.9 %, steplessly adjustable

<sup>2</sup> bigger water flow sensors are optionally available (e. g. 100 ... 3,000 l/min)

## COMPRESSED AIR SUPPLY

<b>Source</b>	OS C2 (R6) industrial rotary screw compressor
<b>Drive</b>	Belt drive
<b>Power Consumption</b>	Max. 39 kW
<b>Performance</b>	4,800 l/min at maximal pump speed 4,400 l/min at nominal pump speed
<b>Working Pressure</b>	Nom. 8 bar
<b>Cooling</b>	Water cooling

**one seven**<sup>®</sup>

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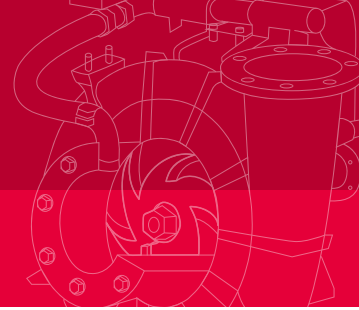
E-mail: info@oneseven.com

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



# Fahrzeugeinbaupumpe NP1000

## Vehicle Mounted Pump NP1000



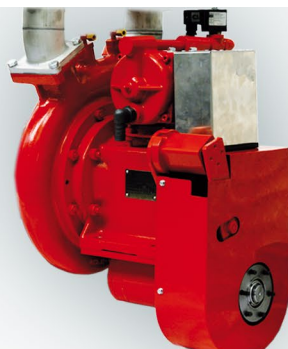
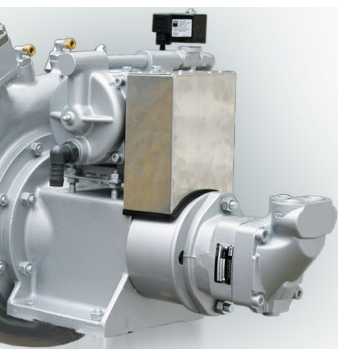
Flexible Anpassung der Saug- und Druckseite nach Kundenspezifikation

*Flexible adaption of suction inlet and pressure outlet to customer specification*

### Baugrößen Size

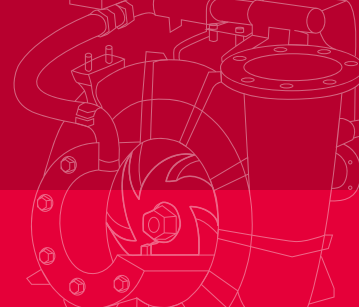
FPN 10-750\*  
FPN 10-1000\*

\*klassifiziert nach EN 1028-1  
*classified to EN 1028-1*



# Fahrzeugeinbaupumpe NP1000

## Vehicle Mounted Pump NP1000



### Pumpe

JOHSTADT-Feuerlöschkreiselpumpe EN 1028 aus seewasserbeständiger Aluminiumlegierung mit Pumpenwelle aus Edelstahl, Gleitringdichtung, Lagerung wartungsfrei ohne Ölbad  
Antrieb: Flansch oder Hydraulikmotor  
Drehrichtung: rechtsdrehend  
Option: integrierter Riementrieb 1:2 (NP1000S)  
Entlüftungssystem: VACUMAT

### Saugeingang

Basis: 1x Saugeingang NW 100, Flansch oder Gewinde G 4 1/2  
Option: Modulsystem

### Druckausgang

Basis: 2 x Druckabgang NW 65, Flansch  
Option: Modulsystem

### Zubehör

- Zumischsysteme (PV, PVmech, PVtronic, PDmatic)
- Bedienfeld
- Pumpendruckregelung

### Pump

JOHSTADT Fire Fighting Centrifugal Pump EN 1028 made of seawater-resistant aluminium alloy with pump shaft made of stainless steel, mechanical seal, bearing without oil

Drive: Flange or hydraulic motor

Rotation: clockwise

Option: integrated belt drive 1:2 (NP1000S)

Priming system: VACUMAT

### Suction inlet

Basis: 1 x suction inlet NW 100, flange or thread G 4 1/2

Option: Modular system

### Pressure outlet

Basis: 2 x pressure outlet NW 65, flange

Option: Modular system

### Accessory

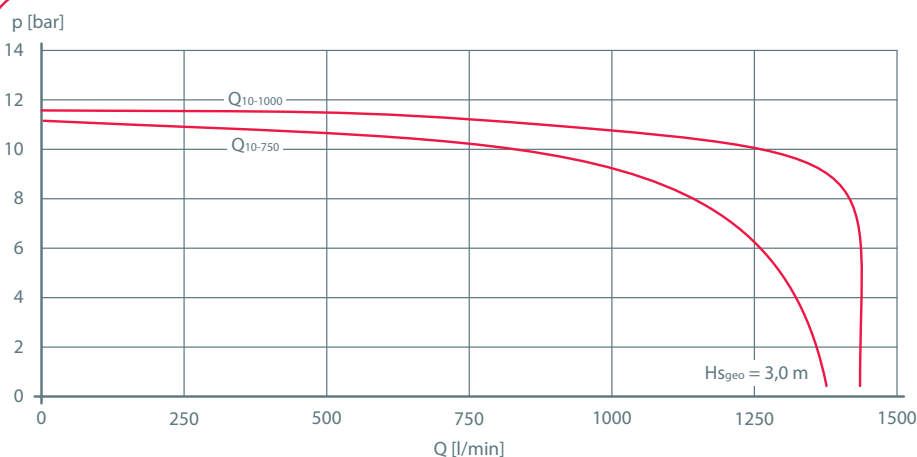
- Foam systems
- Panel
- Pump Pressure Control

#### Leistung

750...1250 l/min bei 10 bar

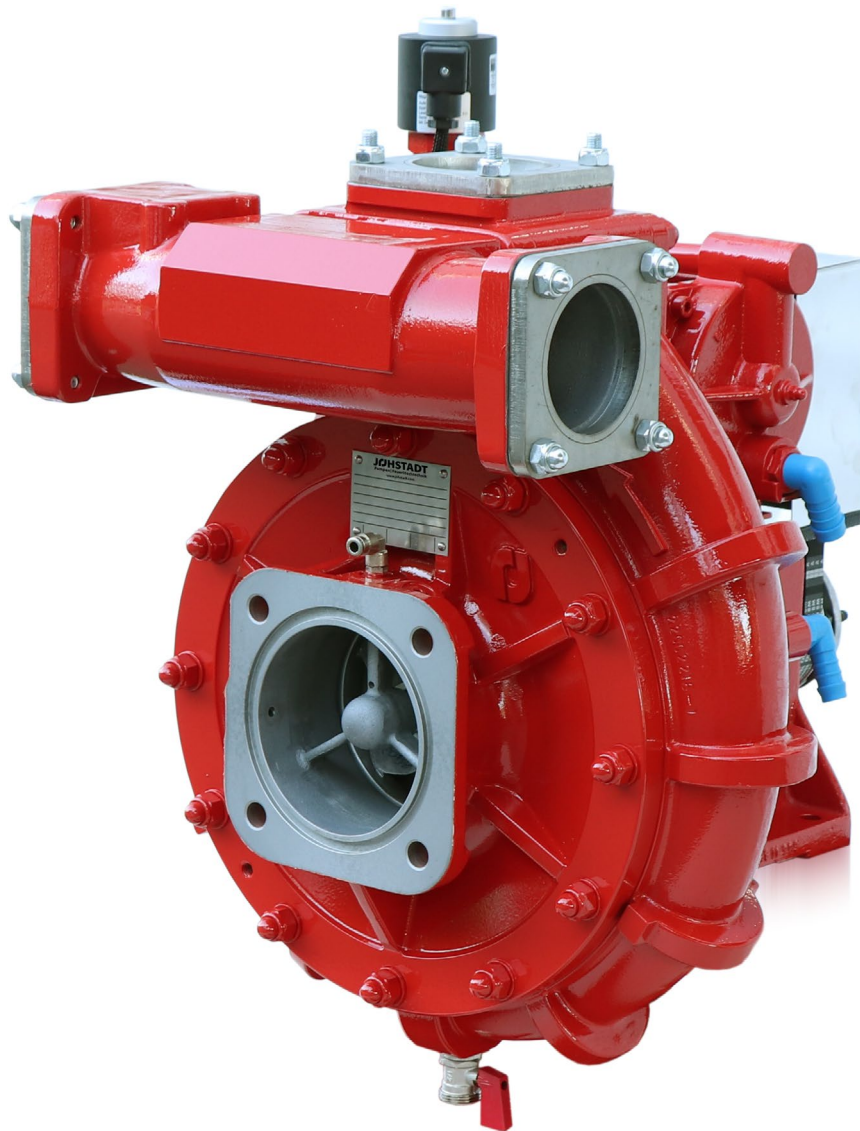
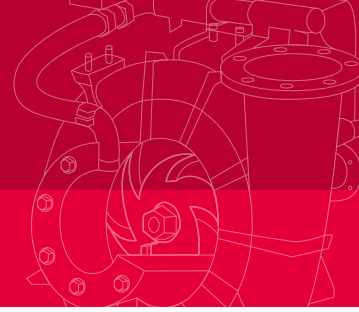
#### Performance

750...1250 l/min at 10 bar



# Fahrzeugeinbaupumpe NP3001

## Vehicle Mounted Pump NP3001



Flexible Anpassung der Saug- und Druckseite nach Kundenspezifikation

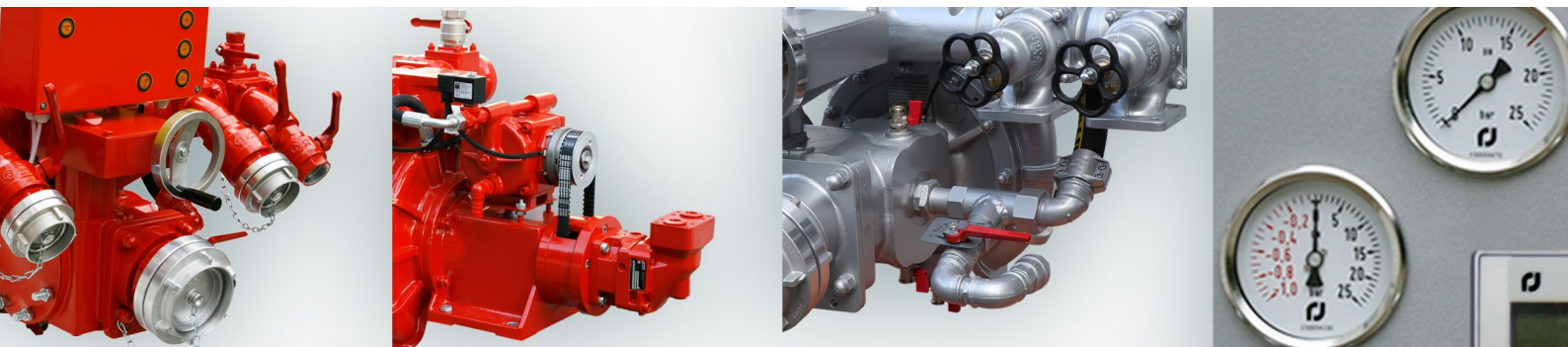
Flexible adaption of suction inlet and pressure outlet to customer specification

### Baugrößen Size

FPN 10-750\*  
FPN 10-1000\*  
FPN 10-1500\*  
FPN 10-2000\*  
FPN 10-3000\*  
FPN 15-1000\*  
FPN 15-1500  
FPN 15-2000\*

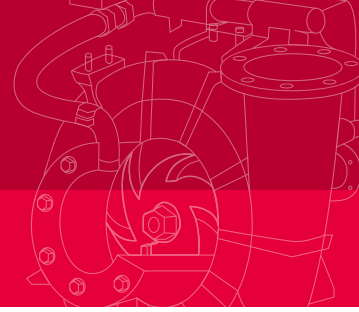
\*klassifiziert nach EN 1028-1

\*classified to EN 1028-1



# Fahrzeugeinbaupumpe NP3001

## Vehicle Mounted Pump NP3001



### Pumpe

JOHSTADT-Feuerlöschkreiselpumpe EN 1028 aus seewasserbeständiger Aluminiumlegierung oder Rotguss/Bronze mit Pumpenwelle aus Edelstahl, Gleitringdichtung, Lagerung wartungs- und ölfrei

Antrieb: Flansch, Hydraulik- oder Dieselmotor (ANP)  
Drehrichtung: rechtsdrehend oder linksdrehend  
Entlüftungssystem: VACUMAT

### Saugeingang

Basis: 1 x Saugeingang NW 125, Flansch  
Option: Modulsystem

### Druckausgang

Basis: 2x Flansch NW 80  
Option: Modulsystem

### Zubehör

- Druckluftschaumanlage LSA
- Zumischsysteme (PV, PVtronic, PDmatic)
- Bedienfeld
- Pumpendruckregelung

### Pump

JOHSTADT Fire Fighting Centrifugal Pump EN 1028 made of seawater-resistant aluminium alloy or gun-metal/bronze with pump shaft made of stainless steel, mechanical seal, bearing without oil

Drive: Flange, hydraulic or diesel motor (ANP)  
Rotation: clockwise or counterclockwise  
Priming system: VACUMAT

### Suction inlet

Basis: 1 x suction inlet NW 125, flange  
Option: Modular system

### Pressure outlet

Basis: 2x flange NW 80  
Option: Modular system

### Accessory

- CAFS Compressed Air Foam System LSA
- Foam systems (PV, PVtronic, PDmatic)
- Panel
- Pump Pressure Control

#### Leistung

750...3000 l/min bei 10 bar  
750...2000 l/min bei 15 bar

#### Performance

750...3000 l/min at 10 bar  
750...2000 l/min at 15 bar

