



# F3 FOAM NOZZLE

For fluor free fire-fighting foam



# FLEXIBLE PLACEMENT, MAXIMUM IMPACT

## F3 Foam Nozzle

The F3 foam nozzle is designed for local application cooling and extinguishing, especially when using fluor free foam premix. Due to the nozzles relatively large throw distance, it does not have to be mounted above the object. In addition, the nozzle has well-developed spray pattern, ensuring efficient cooling.

### Local applications

The F3 foam nozzle can be used for local applications, such as truck transfer stations. There are several fire scenarios to be considered for these applications. Truck transfer stations are used to load and unload (flammable) liquids with a risk of leakage. Additionally, these stations are usually located near storage tanks and pumping installations for these liquids, so there is a risk of a fire starting. If a fire occurs in the vicinity of the loading station an effective cooling system is required to cool the trucks. In the event of a fire in the loading station itself it is necessary to extinguish this liquid fire with foam.

### Fluor free extinguishing foam

When using fluor free extinguishing foam concentrates, the expansion rate is very important. It is generally assumed that an expansion factor of at least 4 is required to be able to extinguish effectively. This means that 1 liter of water-foam mixture should become 4 liters of expanded foam.



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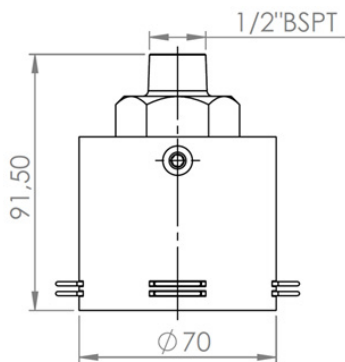
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### Product information

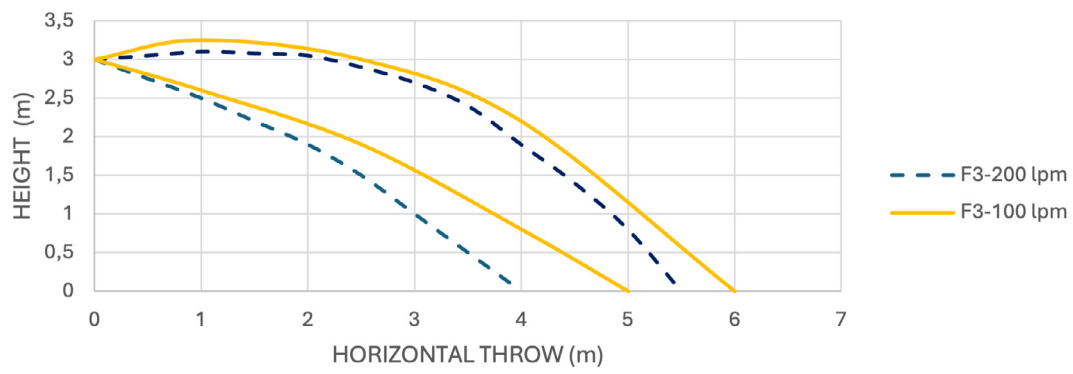
<b>Product name</b>	F3 Foam Nozzle	F3 Foam Nozzle
<b>Item number</b>	9454.032	9454.035
<b>Connection</b>	½" Bspt male	½" Bspt male
<b>Diameter</b>	70 mm	70 mm
<b>Water type</b>	Fresh water	Fresh water
<b>Overall height</b>	92 mm	92 mm
<b>Mass</b>	0,5 kg	0,5 kg
<b>Materials</b>	Brass / Stainless steel	Brass / Stainless steel
<b>Min. working pressure (bar)</b>	2	2
<b>Max. working pressure (bar)</b>	12	12
<b>Discharge (lpm) @5bar</b>	200	100
<b>K-factor</b>	89.4	44.7

### Product dimensions

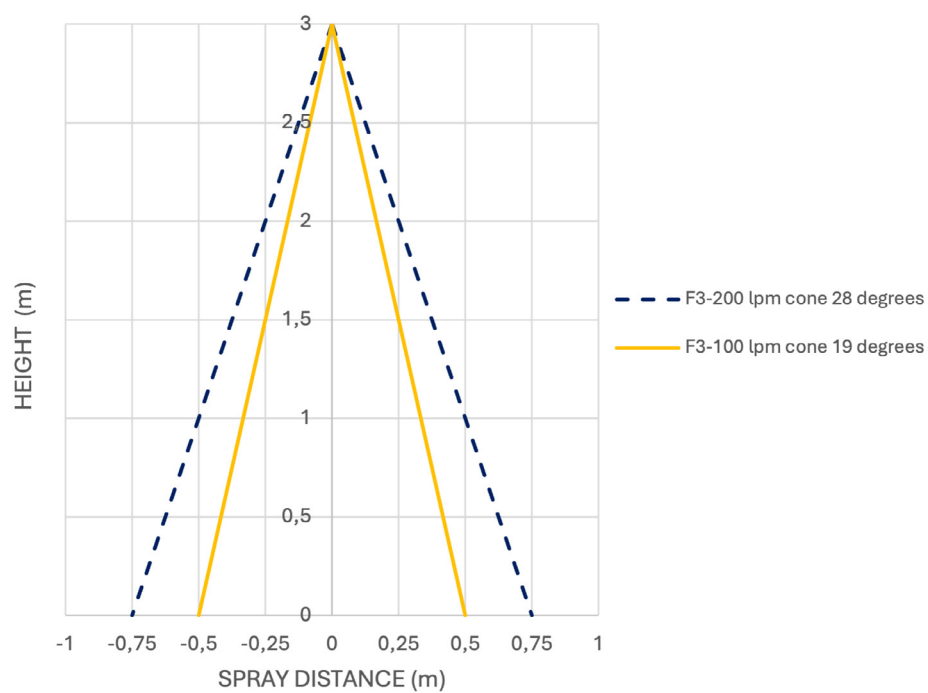




F3 Nozzle Horizontal Throw



F3 Nozzle Vertical Spray



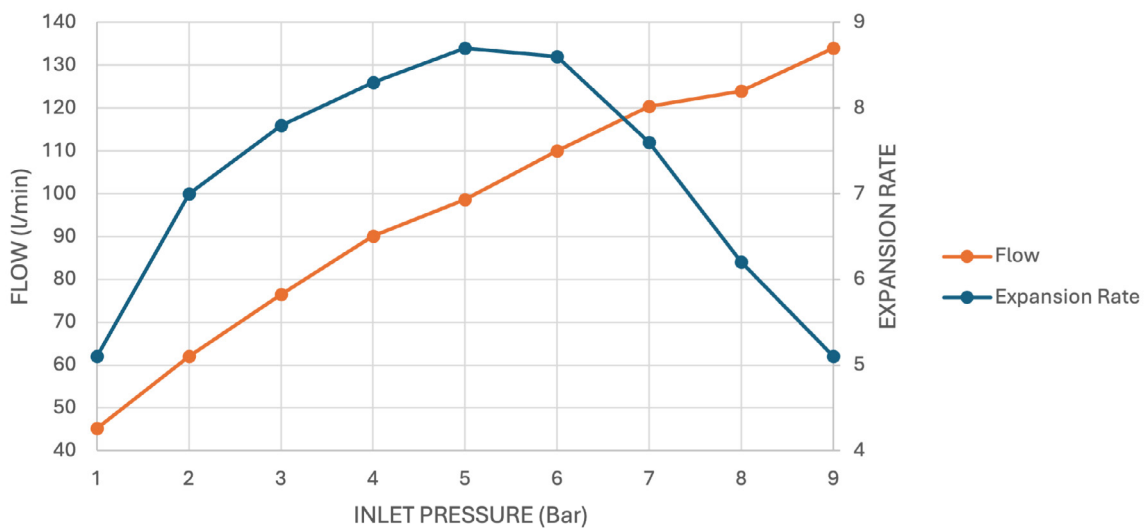
# PERFORMANCE TESTING

**Dr. STHAMER**  
FOAM FIGHTS FIRE

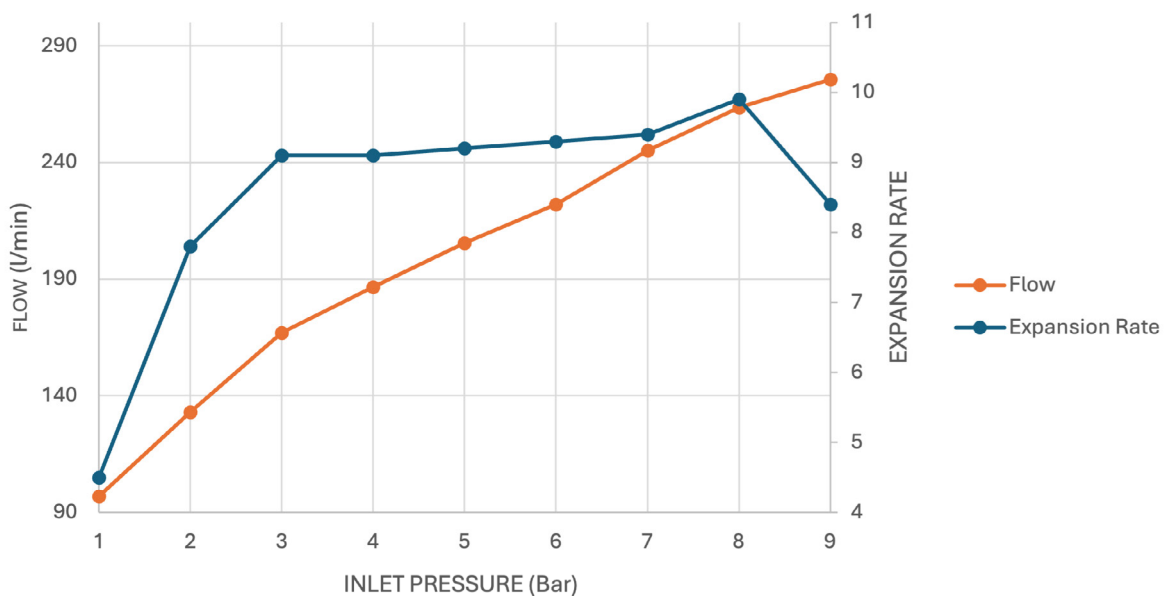
The 100 lpm model was successfully tested on actual fire, at the independent and accredited fire test center MPA Dresden. The test was done using Sthamer vaPUREx AR 3/3 F-5 #8342. The basis of these tests was EN1568-3 and EN1568-4.

The expansion ratio of both 100 lpm and 200 lpm models were measured and documented. The performance of both models was found to be almost equal.

**F3 Nozzle 100 lpm with vaPUREx AR 3/3 F-5 #8342**



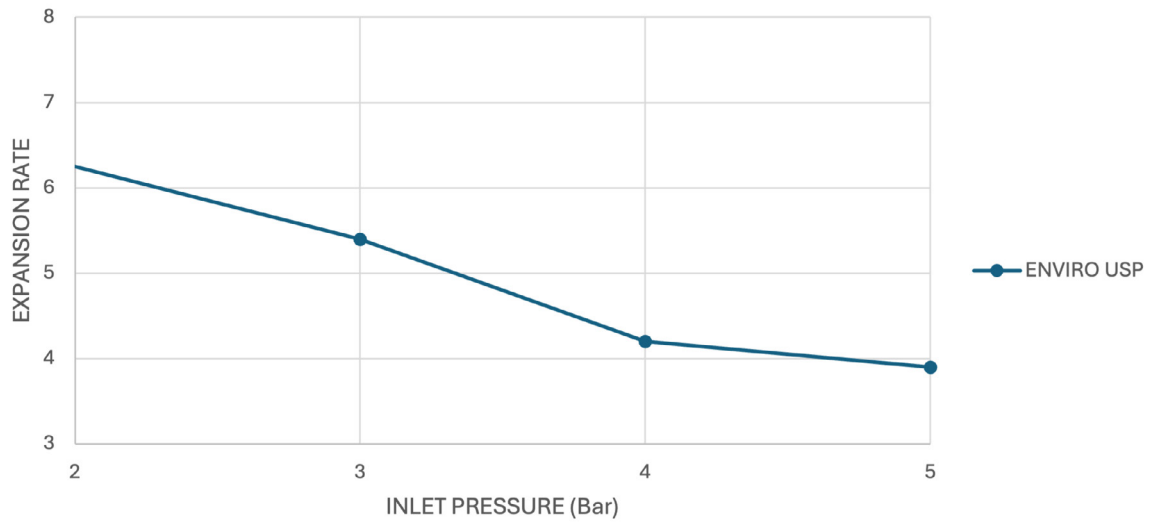
**F3 Nozzle 200 lpm with vaPUREx AR 3/3 F-5 #8342**



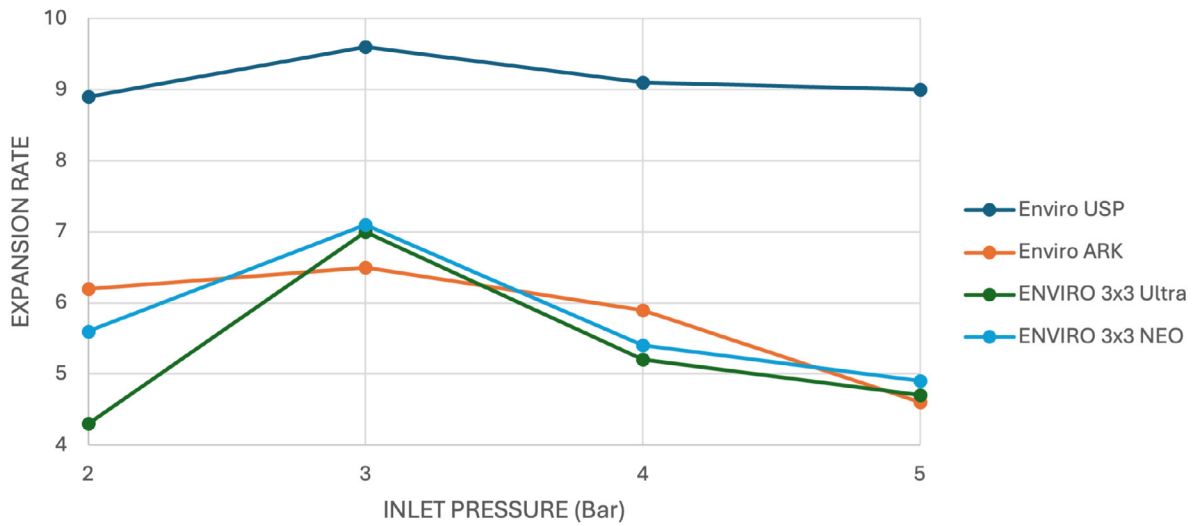


The expansion ratio of the 100 lpm and 200 lpm have been measured and approved by Fomtec using multiple foam concentrates

### F3 Nozzle 100 lpm



### F3 Nozzle 200 lpm





Saval has been a trusted name in fire protection since 1925. Every fire risk requires a professional assessment of the situation. Choosing the right type of detection and suppression system, as well as correct positioning, is crucial. At Saval, you receive well-founded advice.

We also have extensive experience and in-depth expertise to design, build and maintain these systems. The small chance of encountering a new challenge enables us to find the best solution for you. From the initial drawings to installation, we understand exactly what your situation requires.

**Saval B.V.**

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