

## Nozzle Melt Monitoring

Reduce maintenance costs!

Wf plastic GmbH was founded in 2003. The family-managed company with a highly motivated team relies on good business relations. Our products are constantly being developed and are always at the state-of-art-technology. We attach particular importance to functionality and intuitive operation here. We have set up a technical center with cutting-edge testing devices and an injection molding machine for our testing series and samples.

Our working environment is characterized by a modern und energetic building. A photovoltaic system covers our entire electricity demand as well as the low heating demand is generated by a heat pump.

Only the best components are used for our products. Here we are aware of the careful use of limited resources and the optimal and efficient utilization of products and solutions.

We operate on the national as well as on the international market and also attach value to sustainability in the costumer relation, employee retention as well as in training and knowledge transfer.

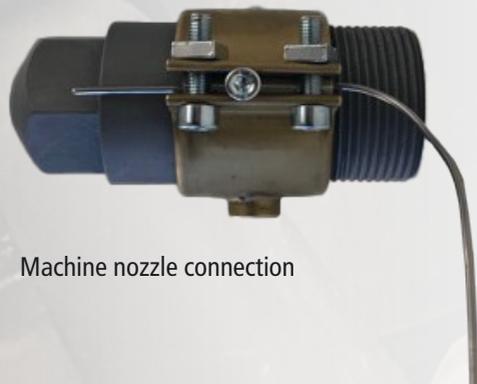
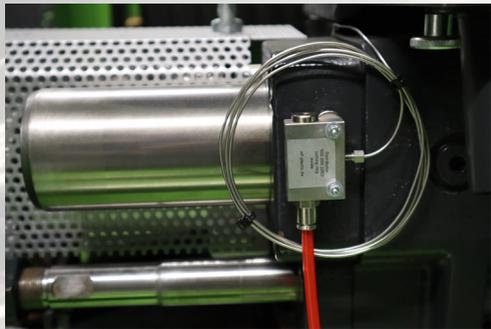
With the nozzle monitoring you can control whether the melt runs onto the heating bands and sensors due to leaks. The mass overflows are detected in time. The mass closure of the sensor tube creates a cut-off pressure.

- Reduce machine downtimes
- Lower repair costs
- Less investment costs
- No adjustment necessary
- Easy upgrading
- Low-maintenance operation



The patented functions find their ideal implementation in the Nozzle Melt Monitor.

- Pressure difference measurement
- Machine shutdown by potential-free contact
- Data interface (Euromap 77)
- Flexible, thin stainless steel tube fixed to the nozzle heating band



Machine nozzle connection

## Nozzle Melt Monitor (NMM) types

- NMM cv, cabinet-version
- NMM sv, stand-alone-version



cabinet-version (CV)



stand-alone-version (SV)

## Connections and outputs

- Compressed air connection 3 ... 14bar
- Voltage 100...240VAC (SV)
- External voltage 20...26VDC (CV)
- Interface Euromap 77 (OPC UA)
- Potential-free-contact (SV and CV)

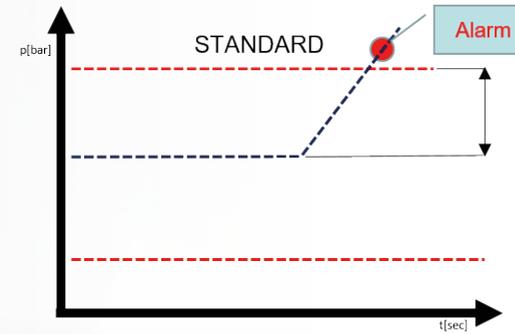


### Interface

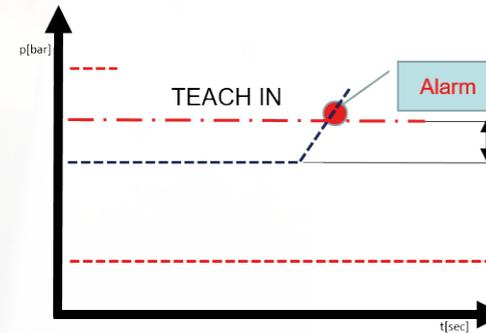
- 1 --- Öffner 1 /Normal Open
- 2 --- Öffner 2 /Normal Open
- 3 --- Teach (20...26VDC)
- 4 --- GND
- 5 --- GND
- 6 --- 20...26VDC

## Consumption

- Air consumption 2.0l/min.
- Maximum current consumption 300mA



## New teach-in



Improved triggering for low viscosity materials

## Further Topics



### **International Standard Tool**

Specimen Injection Molding



### **Hot Runner Monitor**

Hot Runner Monitoring



### **Hot Runner Controller**

Hot Runner Controlling

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