

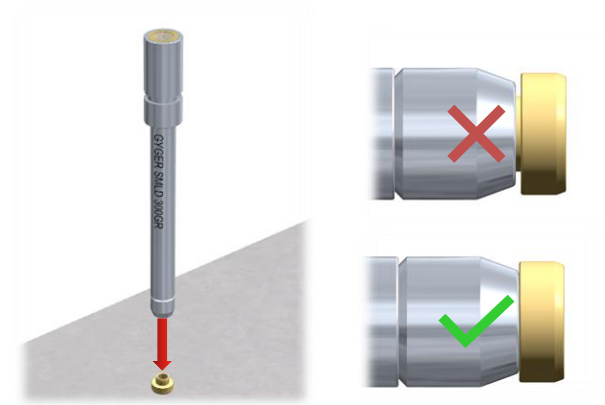
## Clip-on Filter for SMLD 300G & GR

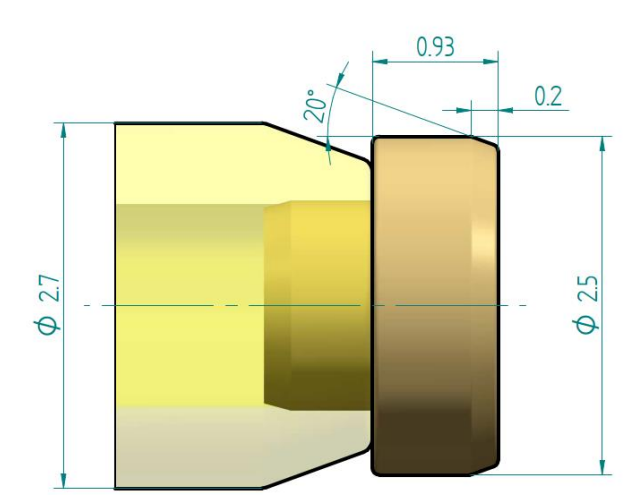
### Introduction

A proper pre-filtering of the dispensed medium is important to get a trouble-free operation with the SMLD micro valves. Of course, there are applications which don't allow a prefiltering, but basically a prefilter should always be considered to prevent the valves from clogging and leaking and improve the valve lifetime. As in our integrated filters, the clip-on filter prevents unwanted particles from entering the inside of the valve. This filter attachment is an easy way for the customer to test if an integrated inlet filter might be a good addition for its project. Because it can be easily clipped on as well as removed, it gives the customer the ability to use it as a disposable part to prevent potential cross contamination of different media in case this is needed.



### 1. Product Assembly

| Assembly                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                               |
| Place the clip-on filter on a flat surface and slot the valve over the filter and press it down carefully until there is no gap in-between them. |

| Technical Information                                                                |
|--------------------------------------------------------------------------------------|
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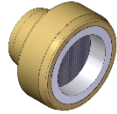
## 2. Specifications

The clip-on filter is made out of PEEK, and stainless steel 1.4401 (A316) / 1.4404 (A316L).  
Any pressure difference between the inlet of the valve and the clip-on filter is prohibited.  
The seal must be made to the metal manifold and the filter must be completely in the liquid line.  
The filter has a mesh density of 40 µm. Drawings and step files are available upon request.

## 3. Compatibility with other Gyger Products

| Category     | Description                | Number | Compatibility |
|--------------|----------------------------|--------|---------------|
| Valve Holder | SMLD 300G M5               | 19320  | ✓             |
|              | SMLD 300G ¼-28UNF          | 19318  | ✓             |
|              | SMLD 300G 10-32UNF conical | 19314  | ✗             |
|              | SMLD 300G Luer Lock        | 24543  | ✓             |
| Valve Heater | SMLD 300G M5               | 19256  | ✓             |
|              | SMLD 300G ¼-28UNF          | 20413  | ✓             |
|              | SMLD 300G 10-32UNF conical | 19255  | ✗             |
|              | SMLD 300G Luer Lock        | 24583  | ✓             |
| Other        | Dispensing Module V8       | 19761  | ✓             |

## 4. Order Information

| Description                                                                                                                                                        | Part-# |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Clip-on Filter<br>Fits to any SMLD 300G / GR micro valve with manifold inlet  | 24700  |

## 5. Availability

June 2021