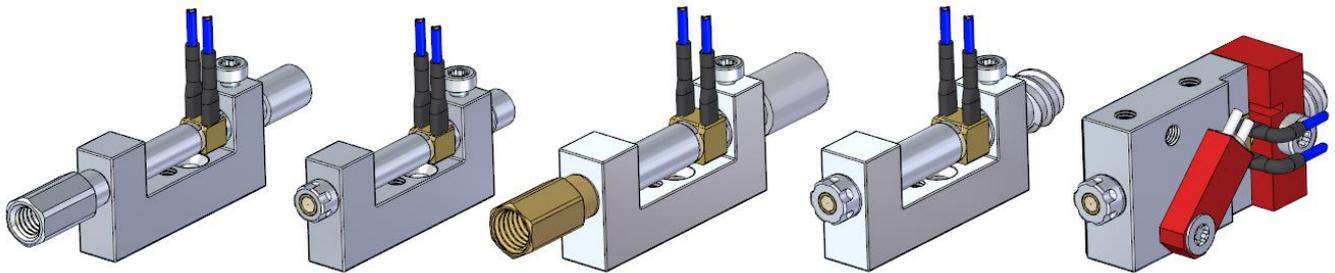


Valve holders

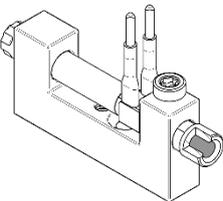
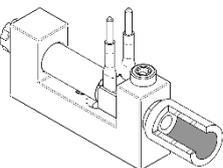
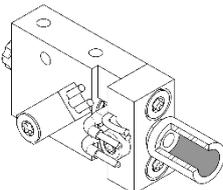
Introduction

In many use cases it is not feasible for the customer to make his own custom holder. The modular valve holders solve this issue by providing an easily mountable holder. It allows for great flexibility and is available with different exchangeable inlet adapters. Choose your inlet adapter based on your desired fluid supply solution.

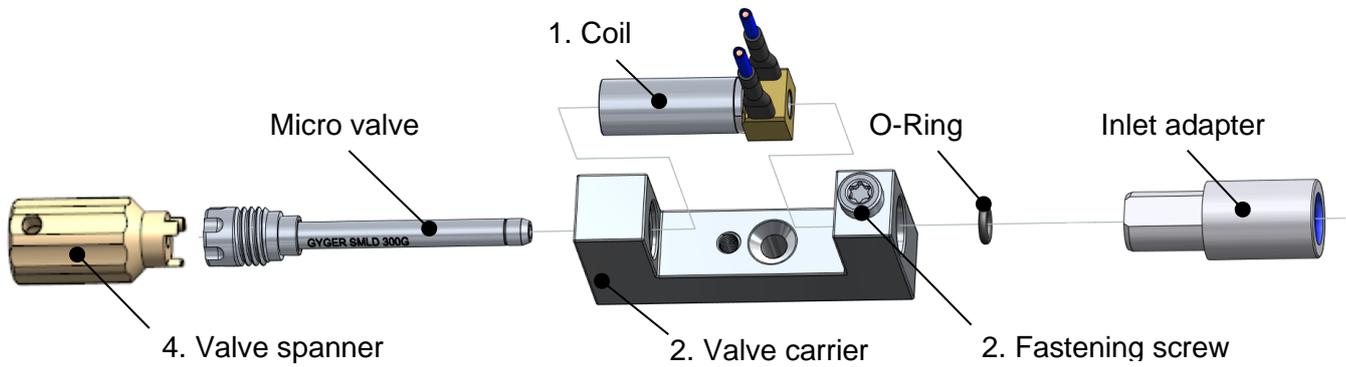


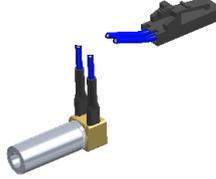
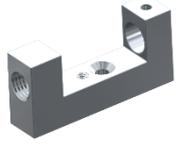
1. Valve Holders

Valve holders contain the holder with the corresponding inlet adapter, an O-ring (viton) as well as a coil unit with 300 mm wire and plug. **The micro valves and the optional valve spanner must be ordered separately!**

Category	Description	Part #
SMLD 300 	Valve holder 6-32 UNC flat	19324
	Valve holder M3	19328
	Valve holder 10-32 UNF conical	19321
SMLD 300G 	Valve holder 1/4-28 UNF	19318
	Valve holder M5	19320
	Valve holder 10-32 UNF conical	19314
	Valve holder Luer Lock	24543
Valve heater SMLD 300G 	Valve heater 1/4-28 UNF	20413
	Valve heater M5	19256
	Valve heater 10-32 UNF conical	19255
	Valve heater Luer Lock	24583

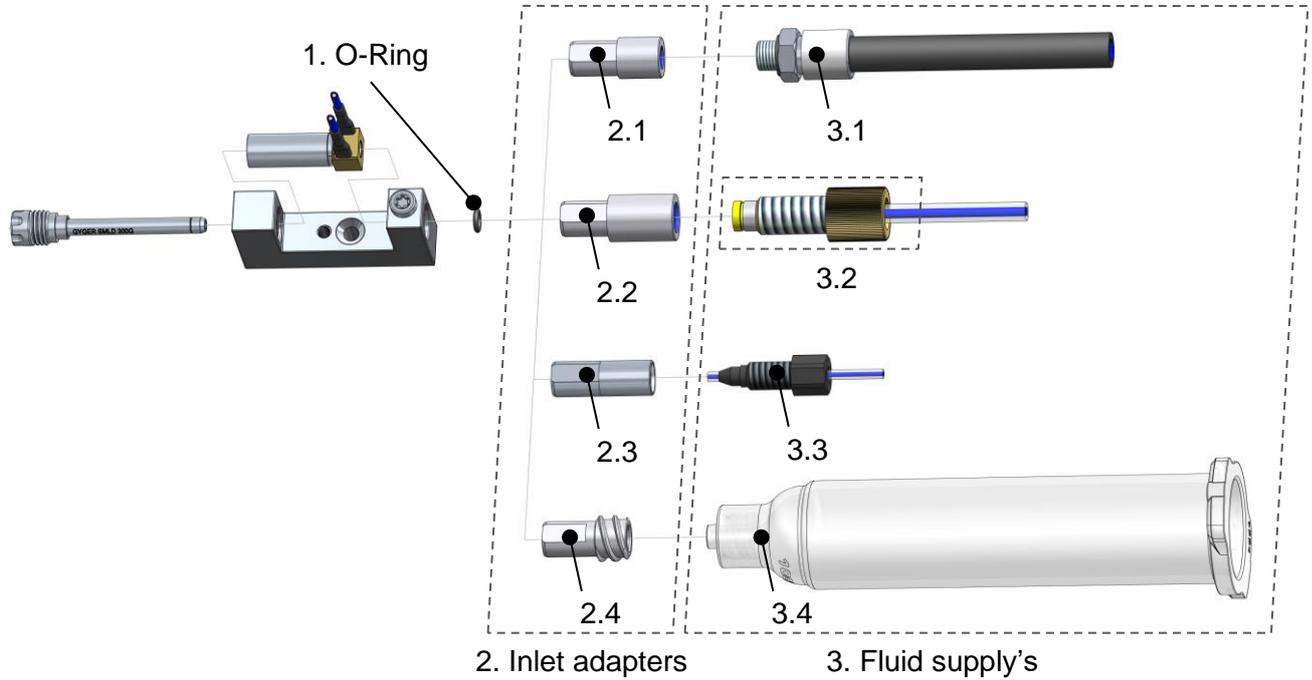
2. Spare parts



Category	Description	SMLD 300 Part #	SMLD 300G Part #
1. Coils	Coil without cable 	19378	19374
	Coil with 300 mm wire 	19366	19370
	Coil with 300 mm wire and plug 	19375	19372
2. Valve carrier	Valve carrier 	21188	21178
3. Fastening screw	Head Cap Screw M2.5x4 (10 pcs) 	On request	
4. Valve spanner	Valve spanner 	19237	19236

2.1 Inlet adapters and the corresponding fluid supply's

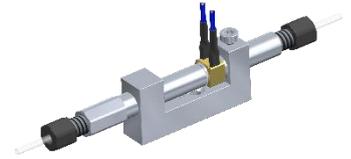
The inlet adapters enable an easy adaptation from the valves manifold to a variety of different fluid supply types.



Category		Description	SMLD 300 Part #	SMLD 300G Part #
1. O-Ring		O-Ring FFKM/FFPM 2.5x0.8 (1 pcs)	-	18636
		O-Ring FFKM/FFPM 2.5x0.8 (10 pcs)	-	21718
		O-Ring Viton 1.75/2.5x0.8 (10 pcs)	23379	21720
2. Inlet adapters	2.1	Inlet adapter M3	19302	-
	2.1	Inlet adapter M5	-	24615
	2.1	Inlet adapter 6-32 UNC flat	19301	-
	2.2	Inlet adapter ¼ -28 UNF	-	24614
	2.3	Inlet adapter 10-32 UNF conical	19310	24616
	2.4	Inlet adapter Luer Lock	-	24409
3. Fluid supply's	3.1	Tube Fitting Metric	Order information can be found in the dedicated Microvalve-Accessories-ProductCatalog	
	3.2	Male nut UNF		
		Ferrule UNF		
	3.3	Tube Fitting		
	3.4	Syringe Barrel System		

3. In-line use case

The in-line use case is especially popular when small accurate bursts of fluid or gas inside a tube are required. For example in gas analyzing or hydraulic / pneumatic applications.



3.1 Outlet adapters

There are currently 2 outlet adapter solutions, the old One-piece solution and the new peek variant.

(New) PEEK Outlet adapters:

Further information can be found in the dedicated Fact Sheet.

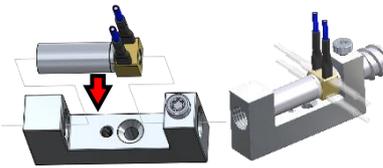
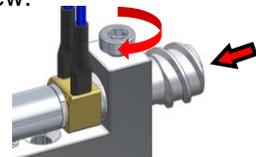
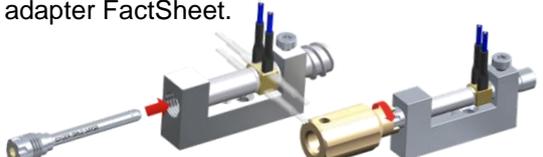
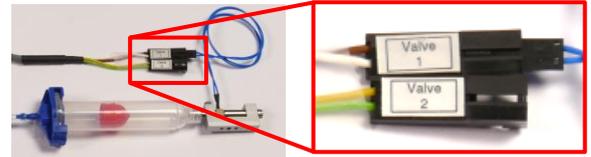


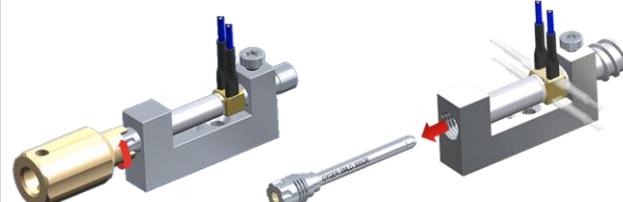
(Old) One-piece outlet adapters:

Refer to the valve selector on our website to see the available variants: [Link*](#)



4. Assembly and Disassembly of the Valve Holders

Assemble Valve holder and valve insertion => Skip step 1-3 if it is already assembled		
1	<p>Insert coil into valve holder (multiple Orientations). Skip step if valve heater is used.</p> 	2
		3
		<p>While pushing the inlet adapter with a slight force against the back of the coil, fasten the fixation screw.</p> 
4	<p>Screw in the valve (max torque: 30 Ncm). If an outlet adapter is used, see Outlet adapter FactSheet.</p> 	5
		<p>Plug the coil cable in to the valve connection cable of the valve controller.</p> 

Valve removal	
1	<p>Flush the valve properly with cleaning fluid and / or air before removal, this prevents clogging / wear and ensures a longer valve lifetime.</p> 
2	<p>Unscrew the valve and remove it from the holder.</p> 

*Link to the Valve Selector: <https://www.fgyger.ch/produkt-selektor/>