Strainer, DN 17

A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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Series 12.017.400 /~.500



12.017.400



12.017.500

Characteristics

- replaceable filter elements, easy to clean
- easy to assemble
- high flow rate
- medium temperature up to 90 °C
- operating pressure up to 10 bar
- various connections available

Available approvals

- KTW/W270
- SVGW
- WRAS
- NSF 169
- others on request

Applications

for protection of ...

- solenoid valves
- sanitary fittings
- flow meters
- check valves
- instantaneous water heaters



Description

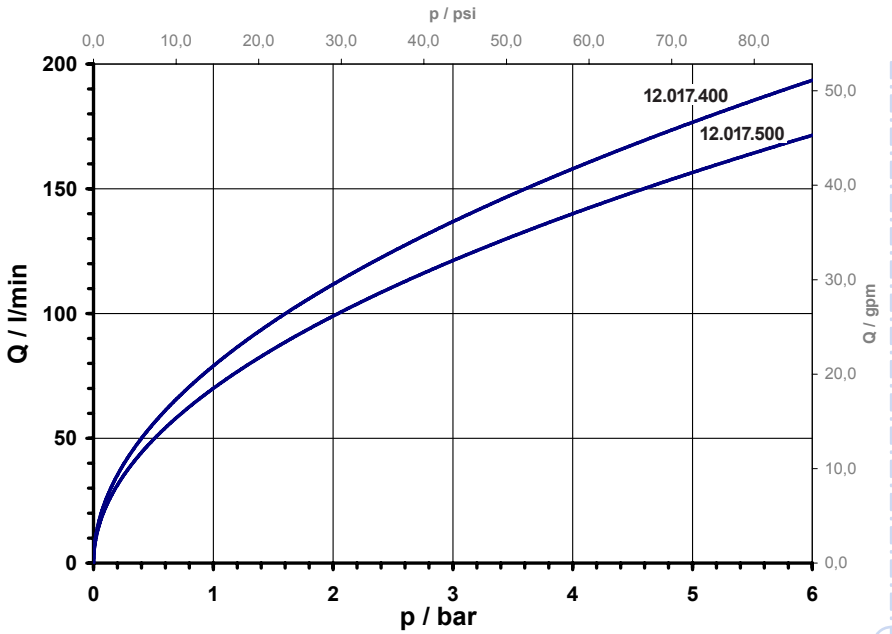
The upstream mounted strainer will protect taps and other equipment against damages or malfunctions caused by suspended particles. The treatment of drinking water by the use of mechanical acting filters and their design is regulated in DIN EN 13443.

There is no need to disassemble the strainer nor tool to replace the filter insert. It is recommended to mount the strainer with the filter insert preferably downwards, to avoid that collected dirt remains in the housing, during replacement of the insert.

Type 12.017.400 is intended to be used for applications, in which valves, ball valves or others are already installed for use as shut off devices during replacement of insert.

Type 12.017.500 integrates a shut off flow capability. The strainer is forcibly closed and an upstream shut off device is not required.

typical performance curve



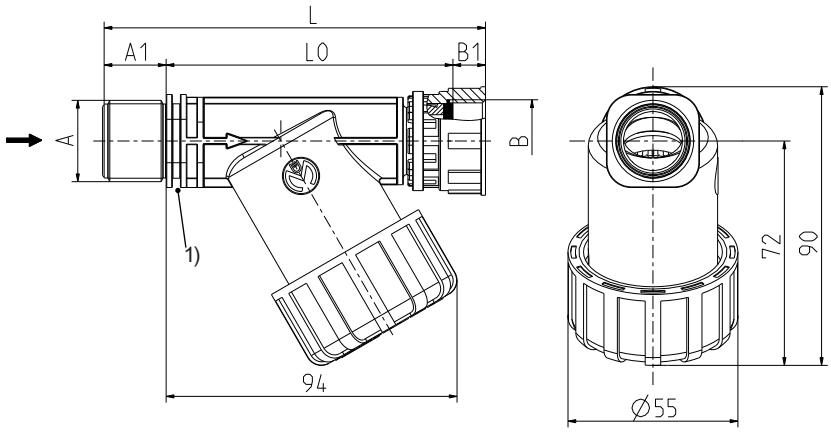
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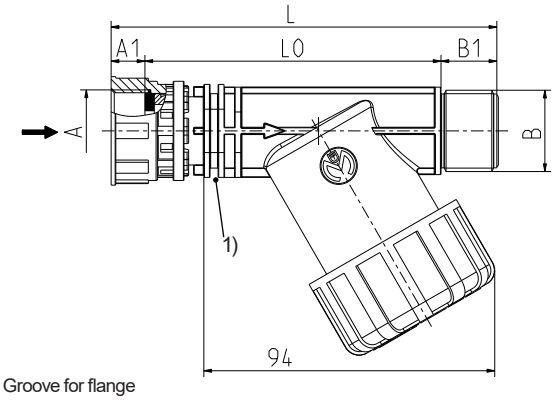
Series 12.017.400 /~.500

Assembly Instruction for Swivel Nuts

In order to avoid damage to the swivel nuts or leaks in the screw connections, please follow these assembly instructions.

- Place the swivel nut straight onto the thread of the male counterpart.
- Tighten the swivel nut to a torque of 3 Nm.
- Only use original seals and spare parts from A. u. K. Müller.

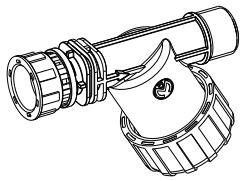


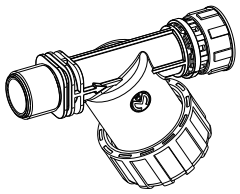


12.017.400

no shut off capability

1) Groove for flange





Technical Data

Type	strainer	
Construction	mechanical filter	
Fitting position	preferably filter element pointing downwards	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	90	°C max.
DN	17	mm
p-Operating	10	bar max.
Admissible pressure loss	6	bar max.
Cv-value **12.017.400** **12.017.500**	 79 70	 l/min l/min

Materials

Body / inner parts	PA66, PA 6/6, others on request/ stainless steel
Seals	EPDM
Filter	stainless steel PA 66
Mesh size / wire diameter	0,08 mm / Ø 0,06 mm 0,11 mm / Ø 0,06 mm 0,25 mm / Ø 0,10 mm

	filter inserts	
Mesh size / wire diameter	0,11 mm / 0,06 mm ID: 006506 Cold water	
Part number	0,25 mm / 0,10 mm ID: 005945 Cold and Hot water	

Options

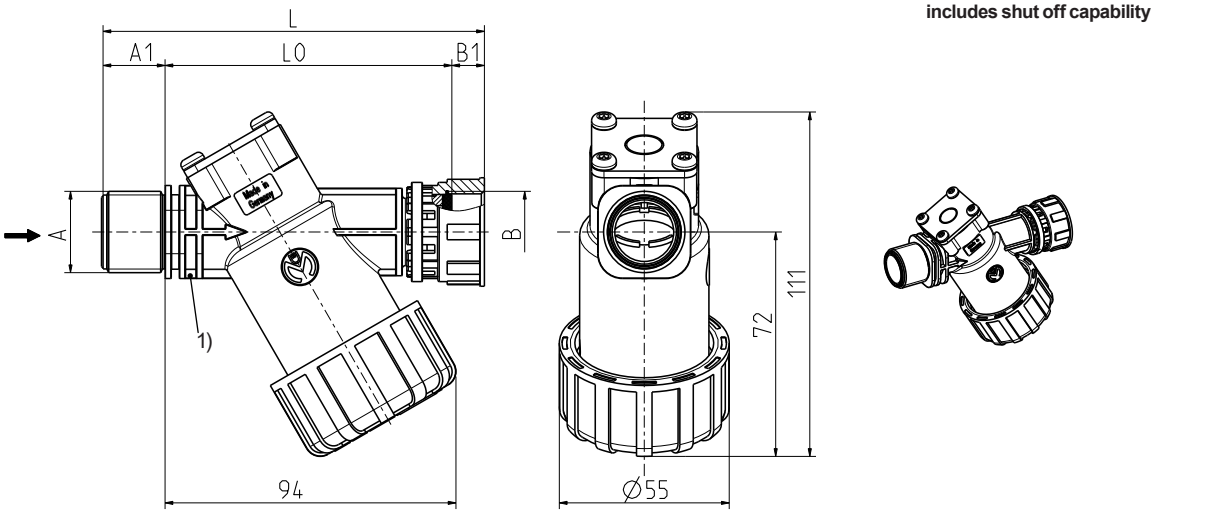
Inlet*		**Outlet***			**Length**	
Ø A	A1	Ø B	B1	L0	L	
G 3/4	20,0	G 3/4 swivel nut	10,5	92,5	123,0	
G 3/4 swivel nut	11,0	G 3/4	18,0	95,5	124,5	
G 3/4	20,0	G 3/4	18,0	76,5	114,5	
G 3/4 swivel nut	11,0	G 3/4 swivel nut	10,5	111,5	133,0	on request

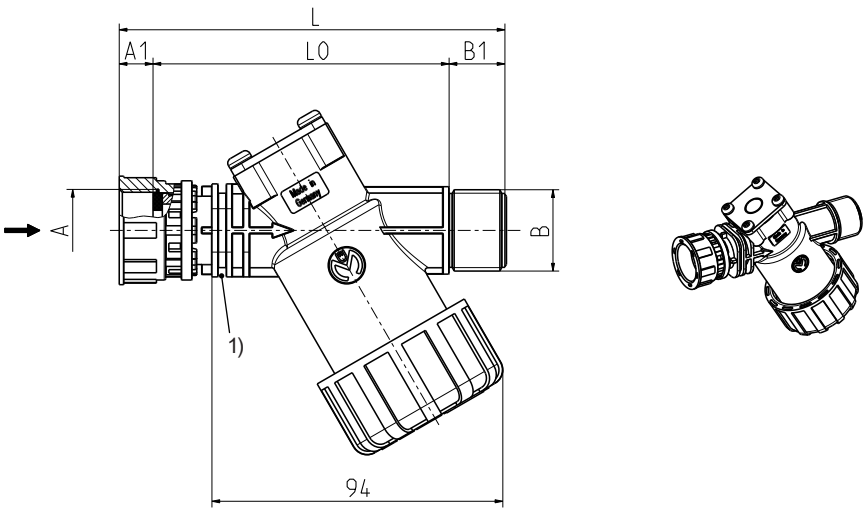
* Every connector combination for inlet and outlet is possible on request.

Series 12.017.400 /~.500

12.017.500

includes shut off capability





1) Groove for flange

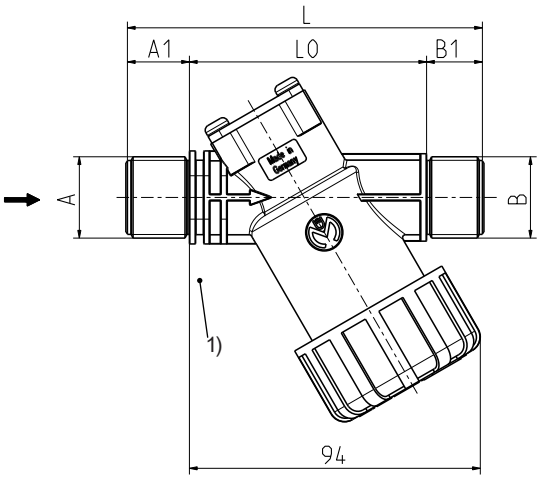
Options

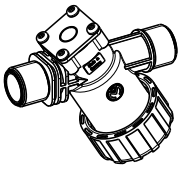
Inlet*		Outlet*			Length
Ø A	A1	Ø B	B1	L0	L
G 3/4	20,0	G 3/4 swivel nut	10,5	92,5	123,0
G 3/4 swivel nut	11,0	G 3/4	18,0	95,5	124,5
.75 - 11.5 NH swivel nut	11,0	G 3/4	18,0	95,5	124,5

* Every connector combination for inlet and outlet is possible on request.

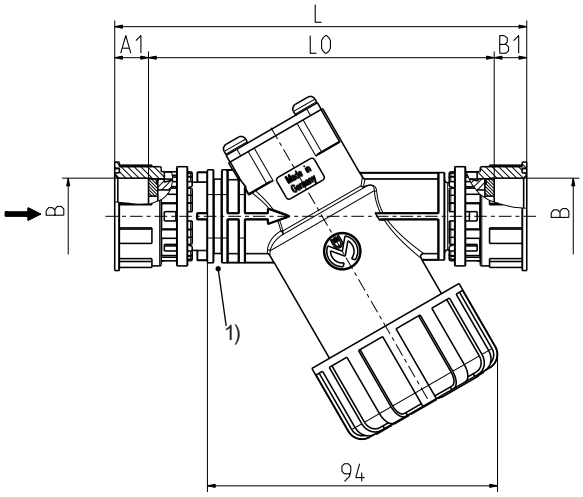
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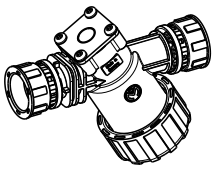
Series 12.017.400 /~.500





12.017.500
includes shut off capability





1) Groove for flange

Options

Inlet*		Outlet*			Length	
Ø A	A1	Ø B	B1	L0	L	
G 3/4	20,0	G 3/4	18,0	76,5	114,5	on request
G 3/4 swivel nut	11,0	G 3/4 swivel nut	10,5	111,5	133,0	on request

* Every connector combination for inlet and outlet is possible on request.