Strainer, DN 10

Product Information

Series 12.010.300 /~.500

A. u. K. Müller

Solenoid valves
Control valves
Special valves and systems

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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.

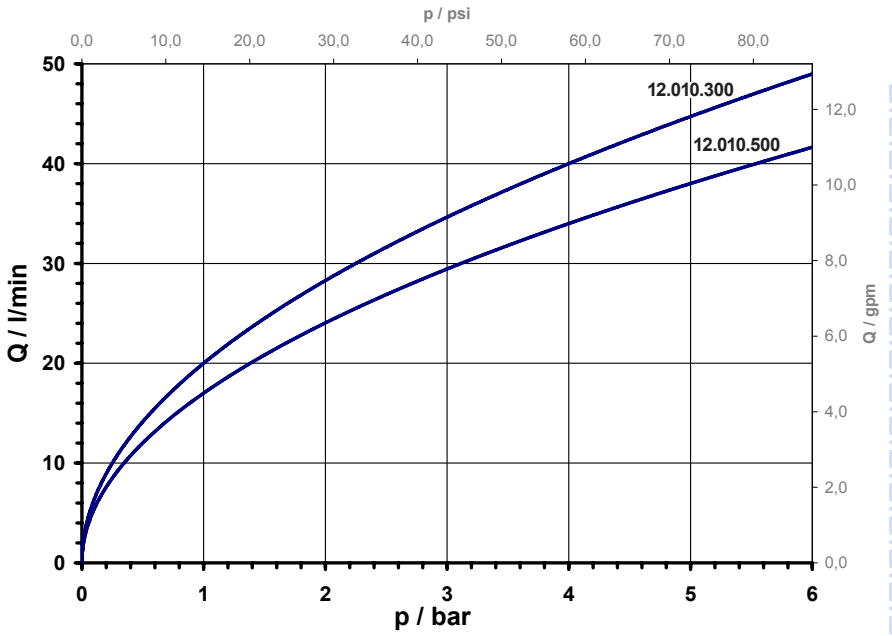
There is no need to disassemble the strainer nor tool to replace the filter insert. It is recommended to mount the strainer with the filter insert pointing downwards, to avoid that collected dirt remains in the housing, during replacement of the insert.

Type 12.010.300 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 12.010.500 integrates a shut off flow capability. The strainer is forcibly closed and an upstream shut off device is not required.

The treatment of drinking water by the use of mechanical acting filters and their design is regulated in DIN EN 13443.

typical performance curve



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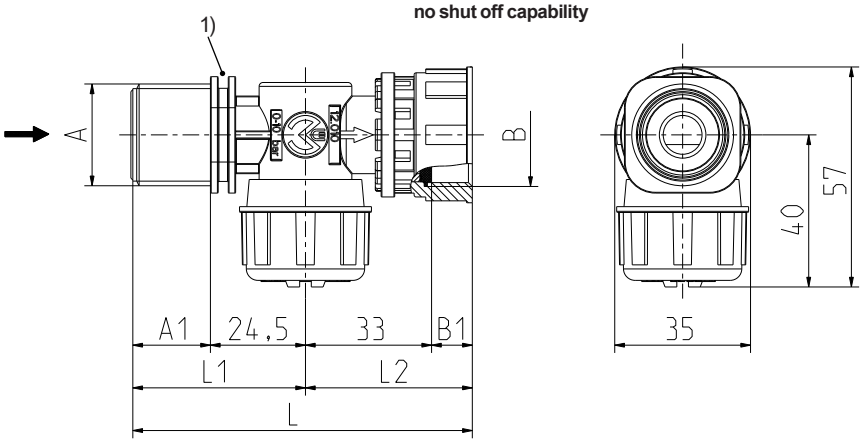
Series 12.010.300 /~.500

Assembly Instruction for Swivel Nuts G 3/4"

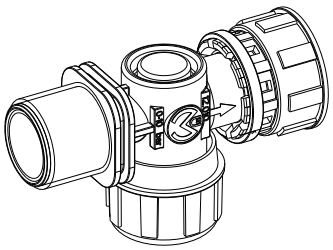
In order to avoid damage to the swivel nuts or leaks in the screw connections, please follow these assembly instructions.

- 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.

12.010.300
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	10	mm
p-Operating	10	bar max.
Admissible pressure loss	6	bar max.
Cv-value **12.010.300** **12.010.500**	 20 17	 l/min l/min

Materials

Body / inner parts	PA 66, PA6/6, others on request/ stainless steel
Seals	EPDM
Filter	stainless steel PA 66
Mesh size / wire diameter	0,16 mm / 0,08 mm Ø 0,25 mm / 0,10 mm Ø

Options

Material	Inlet*			Outlet*			Length	Filter ID	ID
	Ø A	A1	L1	Ø B	B1	L2	L		
PA66	G 3/8	12,5	37	G 3/4 swivel nut	10	43	80	5524	91903
								6536	91902
	G 3/4	20	44,5	G 3/4 swivel nut	10	43	87,5	5524	91901
								6536	91900
PA6/6									91905
PA66	G 1/2	14,5	39	G 3/4 swivel nut	10	43	82	on request	
	.75-11.5 NH	20	44,5	G 3/4 swivel nut	10	43	87,5	on request	
	G 3/4 swivel nut	10	54	G 3/4 swivel nut	10	43	97	on request	
	G 3/8	12,5	37	G 3/4	14	34,5	71,5	on request	
	G 1/2	14,5	39	G 3/4	14	34,5	73,5	on request	
	G 3/4	20	44,5	G 3/4	14	34,5	79	on request	
	.75-11.5 NH	20	44,5	G 3/4	14	34,5	79	on request	
	G 3/4 swivel nut	10	54	G 3/4	14	34,5	88,5	on request	

* Any other combination of inlet and outlet is possible upon request.

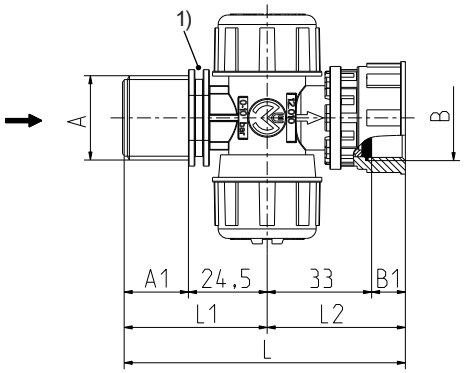
Filter inserts

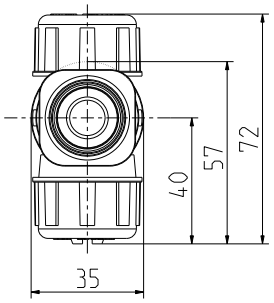
Mesh size / wire diameter	0,16 mm / 0,08 mm ID: 005524	
Part number	0,25 mm / 0,10 mm ID: 006536	

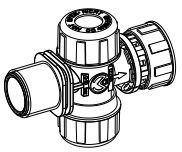
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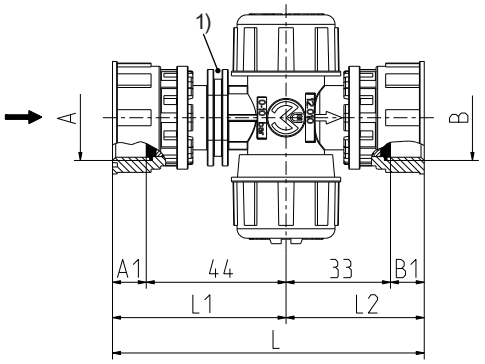
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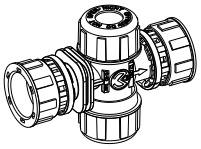
12.010.500
includes shut off capability

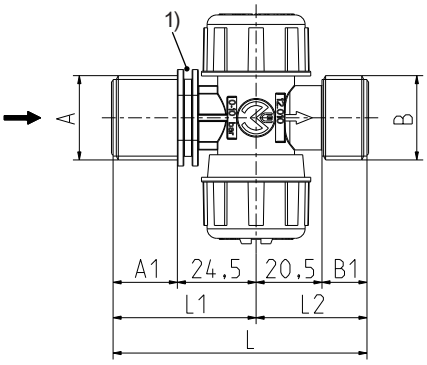


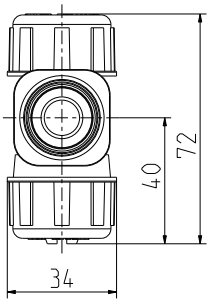


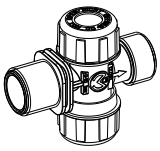


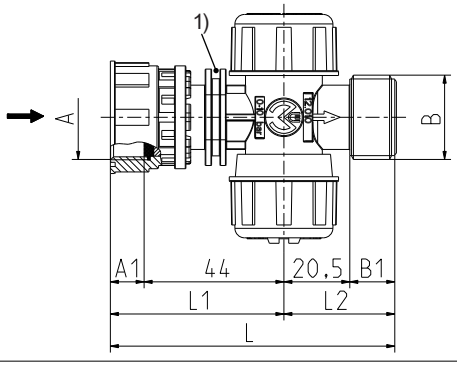


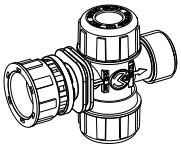












1) Groove for flange

connection options overleaf

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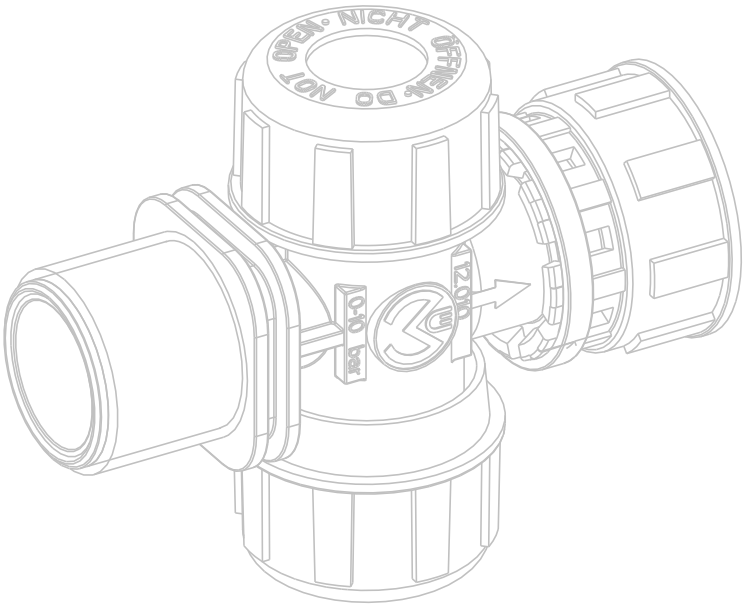
12.010.500

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								6536	91810
	G 3/4	20	44,5	G 3/4 swivel nut	10	43	87,5	5524	91800
								6536	91802
PA6/6									91808
PA66	G 3/4	20	44,5	G 3/4	10	43	87,5	6536	91804
	G 3/4 swivel nut	10	54	G 3/4	14	34,5	88,5	5524	91809
								6536	91805
	.75-11.5 NH	20	44,5	G 3/4 swivel nut	10	43	87,5	on request	
	G 3/4 swivel nut	10	54	G 3/4 swivel nut	10	43	97	on request	
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