Manifolds DN 17

Product Information

Series CF-17



A. u. K. Müller

Solenoid valves
Control valves
Special valves and systems

A. u. K. Müller GmbH & Co. KG
Dresdener Str. 162
D-40595 Düsseldorf/Germany

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Fax: +49(0)211-7391-281

e-mail: info@akmueller.de
Internet: www.akmueller.de

Characteristics

- Water distribution and merge of medium paths
- Applicable for hot water of 90 °C
- Easy installation due to manually releasable swivel nut
- Nominal orifice DN 17 for high throughput, whilst maintaining minimal pressure losses
- Long term performance capability
- Optional with strainer, flow regulator or check valves

Description

Manifolds with nominal orifices of DN 17 for flexible realization of water paths.

Whether you build the components into a new design or retrofit it into existing equipment, sufficient installation space assumed, it provides a simple method of adding new media paths or connection possibilities for components such as valves, push-fit connectors or outlet nozzles.

The manifolds with three or four connectors are ideally suitable for virtually any type of water distribution or merger. The standard connection thread sizes allow integration into numerous applications. Installation is made easy by manually releasable swivel nuts.

The internal diameter of the manifolds with Ø 17 mm ensures a high throughput, whilst maintaining minimal pressure losses.

Optionally the integration of strainer, flow regulators or check valves is possible.

Various outlet nozzles are offered as accessories.

Applications

- Hot / cold drink dispensers
- Industrial appliances
- Cleaning systems
- Washing machines
- Dish washers
- Agricultural implements
- Automatic car washing systems

Approvals

Approved versions available on request:

- KTW - BWGL
- NSF 61
- ACS
- WRAS
- Others on request

Technical Data

Type	manifold	
Fitting position	any	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	90 (194	°C max. °F max.)
DN	17	mm
p-Operating / PN	0 - 10 (0 - 145	bar psi)
Hydraulic strength (Burst pressur)*	5 x PN = 50 (725	bar psi)
Leakage test*	1,5 x PN = 15 (218	bar psi)

Materials

Body	PA 6/6 glass fibre reinforced
Sealings	EPDM

Accessories

CF-H



*Type testing in accordance with DIN EN IEC 60730-2-8

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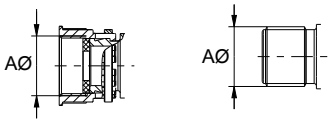
Series CF-17

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.

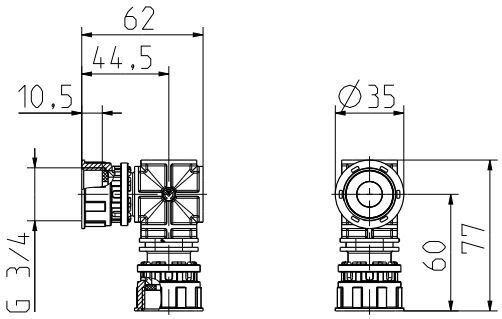
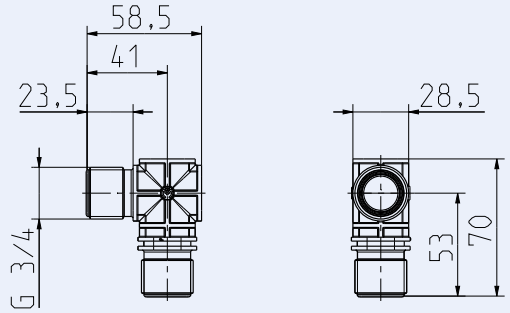
- Place the swivel nut straight onto the thread of the male counterpart.
- Tighten the swivel nut to a torque of 3 Nm.
- Only use original seals and spare parts from A. u. K. Müller.

Options

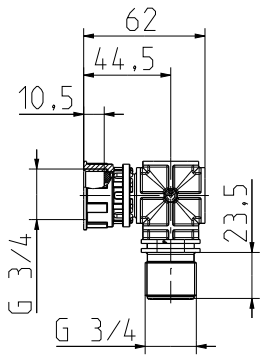
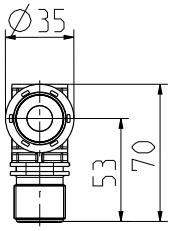


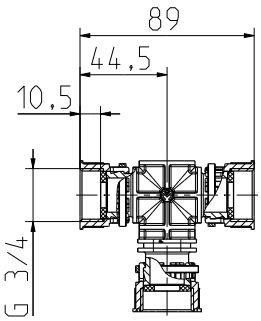
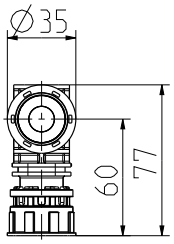
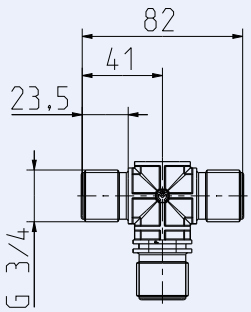
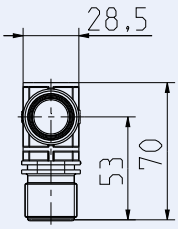
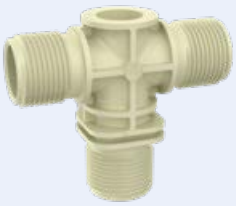
	Ø A
Swivel nut	G 3/4
	.75-11.5 NH
Male thread	G 3/4
	.75-11.5 NH on request

Other connectors on request

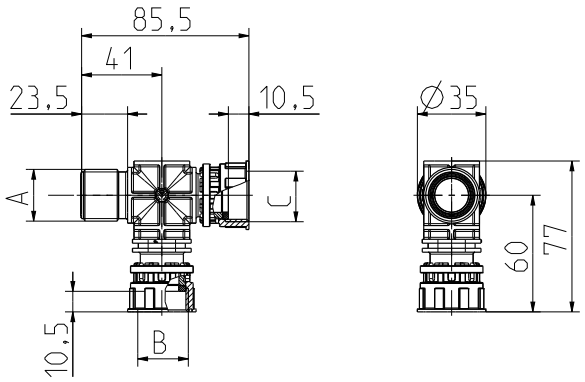
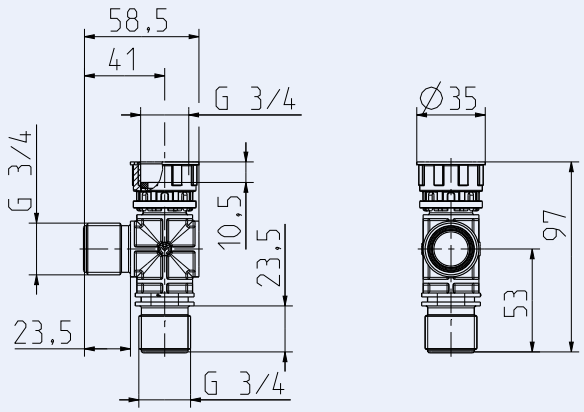
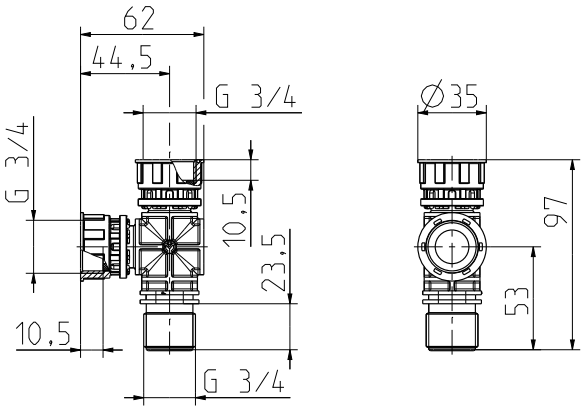
CF-17 L: Angular Piece, Manifolds DN17		ID
		009365
		009152

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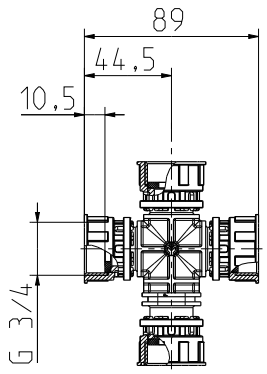
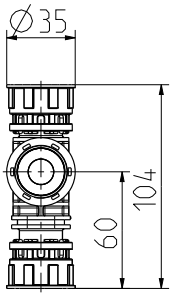
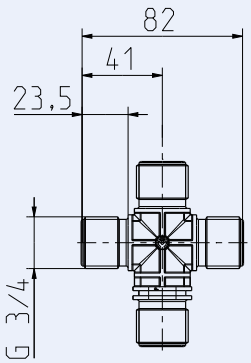
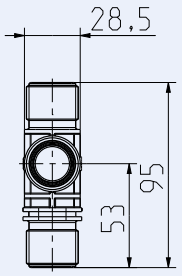
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CF-17 T: T-piece, Manifolds DN17		ID
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 		009153

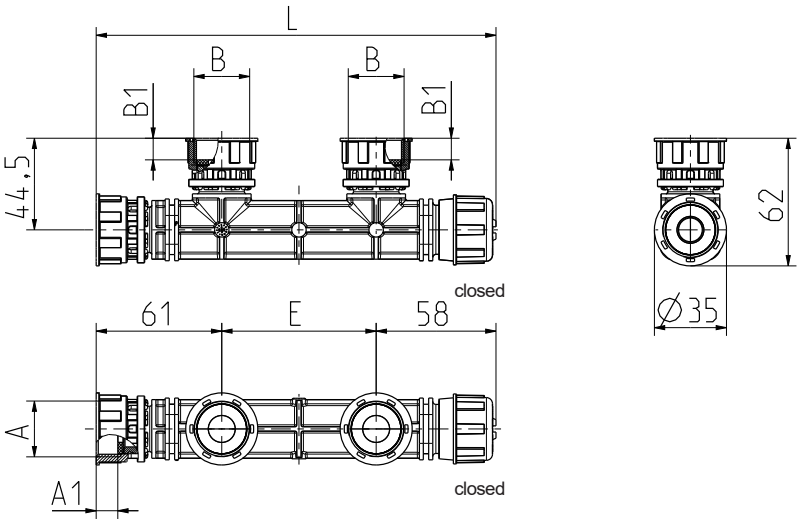
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CF-17 T: T-piece, Manifolds DN17		ID
		009516 A B C G 3/4 010341 A B C .75 - 11.5 NH
		009643
		10433

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CF-17 C: Cross-piece, Manifolds DN17		ID
 		009366
 		009151

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CF-17 2MFC: Dual Distribution, Manifolds DN17		ID
		009367

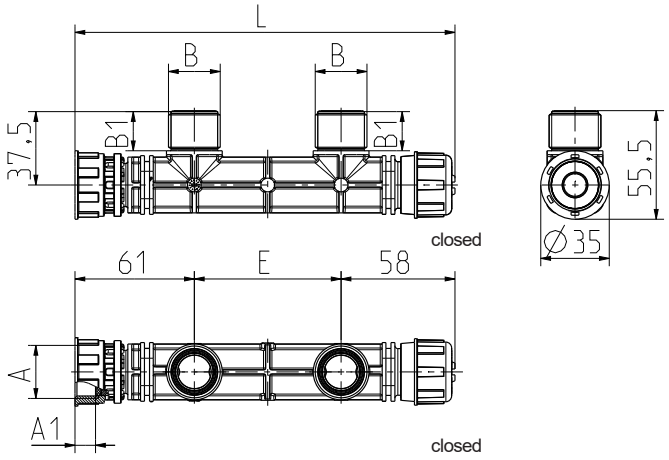
Options

Connection					Length	
Ø A	A1	Ø B	B1	E	L	ID
G 3/4 swivel nut	10,5	G 3/4 swivel nut	10,5	36	155	on request
				53	172	on request
				75	194	009367
.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	155	on request
				53	172	on request
				75	194	on request

Depending on the pitch the manifolds are for example compatible to the following A. u. K. Müller servo-controlled valve series:

Pitch	Valve	
E	Series	Note
36	1.010 1.013	One-chamber valve (without flange) One-chamber valve (without flange)
53	1.017	One-chamber valve (without flange)
75	1.010 1.013 1.017 1.021	1-, 2-, 3-, 4- chamber valve (with flange) 1-, 2- chamber valve (with flange) One-chamber valve (with flange) One-chamber valve (with flange)

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CF-17 2MFC: Dual Distribution, Manifolds DN17		ID
		009373

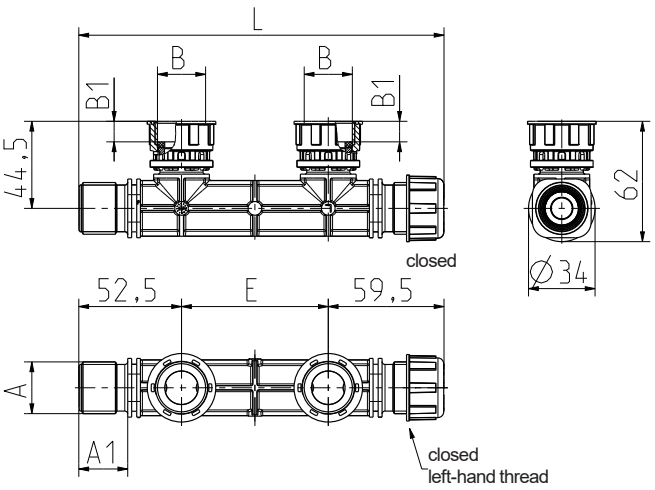
Options

Connection					Length	
Ø A	A1	Ø B	B1	E	L	ID
G 3/4 swivel nu	10,5	G 3/4 male	20,5	36	155	on request
				53	172	on request
				75	194	09373
.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	155	on request
				53	172	on request
				75	194	on request

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CF-17 2MFC: Dual Distribution, Manifolds DN17		ID
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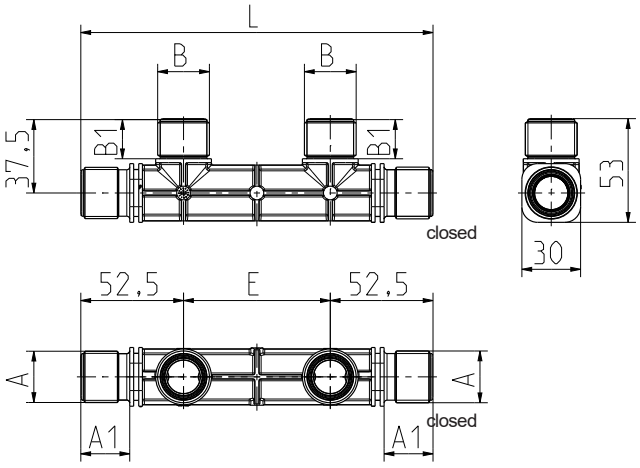
Options

Connection					Length	
Ø A	A1	Ø B	B1	E	L	ID
G 3/4 male	10,5	G 3/4 swivel nut	10,5	36	148	on request
				53	165	on request
				75	187	009368
.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	148	on request
				53	165	on request
				75	187	on request

Depending on the pitch the manifolds are for example compatible to the following A. u. K. Müller servo-controlled valve series:

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CF-17 2MFO: Dual Distribution, Manifolds DN17		ID
		009846

Options

Connection					Length	
Ø A	A1	Ø B	B1	E	L	ID
G 3/4 male	10,5	G 3/4 male	10,5	36	141	on request
				53	158	on request
				75	180	009846
.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	141	on request
				53	158	on request
				75	180	on request

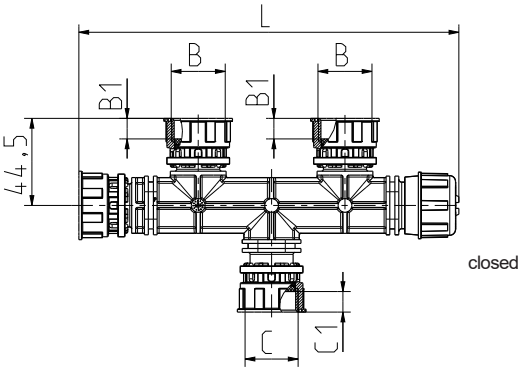
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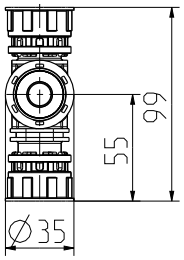
Pitch	Valve	
E	Series	Note
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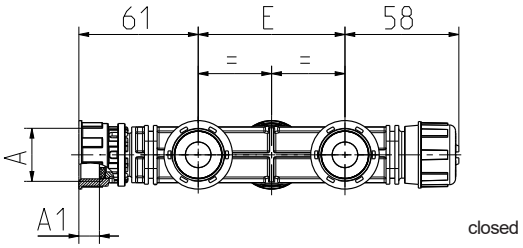
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CF-17 3MFC: Triple Distribution, Manifolds DN17

ID









009371

Options

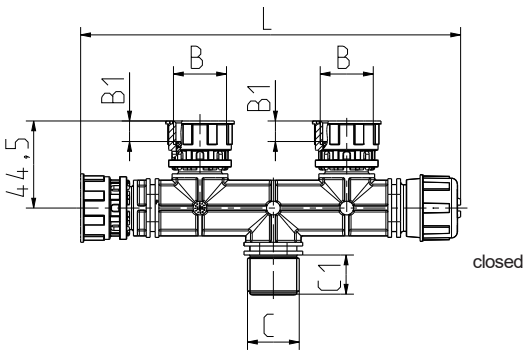
Connection							Length	
Ø A	A1	Ø B	B1	Ø C	C1	E	L	ID
G 3/4 swivel nut	10,5	G 3/4 swivel nut	10,5	G 3/4 swivel nut	10,5	36	155	on request
						53	172	on request
						75	194	009371
.75-11.5 NH	10,5	.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	155	on request
						53	172	on request
						75	194	on request

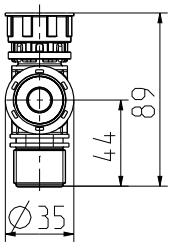
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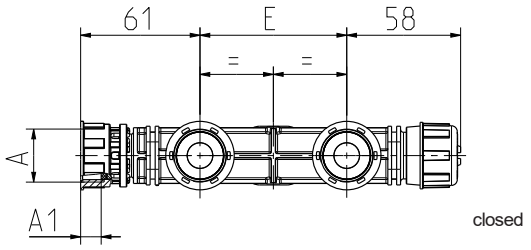
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CF-17 3MFC: Triple Distribution, Manifolds DN17	ID









009372

Options

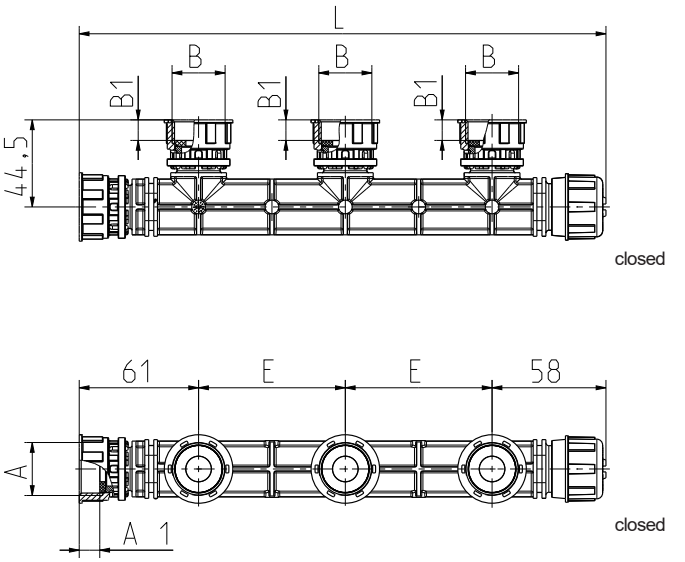
Connection							Length	
Ø A	A1	Ø B	B1	Ø C	C1	E	L	ID
G 3/4 swivel nut	10,5	G 3/4 swivel nut	10,5	G 3/4 male	10,5	36	155	on request
						53	172	on request
						75	194	09372
.75-11.5 NH	10,5	.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	155	on request
						53	172	on request
						75	194	on request

Depending on the pitch the manifolds are for example compatible to the following A. u. K. Müller servo-controlled valve series:

Pitch	Valve	
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CF-17 3MFC: Triple Distribution, Manifolds DN17	ID





009369

Options

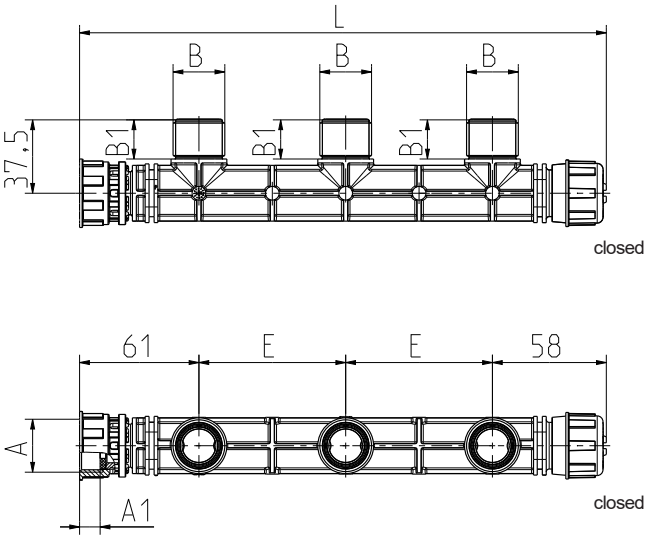
Connection					Length	
Ø A	A1	Ø B	B1	E	L	ID
G 3/4 swivel nut	10,5	G 3/4 swivel nut	10,5	36	191	on request
				53	225	on request
				75	269	09369
.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	191	on request
				53	225	on request
				75	269	on request

Depending on the pitch the manifolds are for example compatible to the following A. u. K. Müller servo-controlled valve series:

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CF-17 3MFC: Triple Distribution, Manifolds DN17	ID





009370

Options

Connection					Length	
Ø A	A1	Ø B	B1	E	L	ID
G 3/4 swivel nut	10,5	G 3/4 male	10,5	36	191	on request
				53	225	on request
				75	269	09370
.75-11.5 NH	10,5	.75-11.5 NH	10,5	36	191	on request
				53	225	on request
				75	269	on request

Depending on the pitch the manifolds are for example compatible to the following A. u. K. Müller servo-controlled valve series:

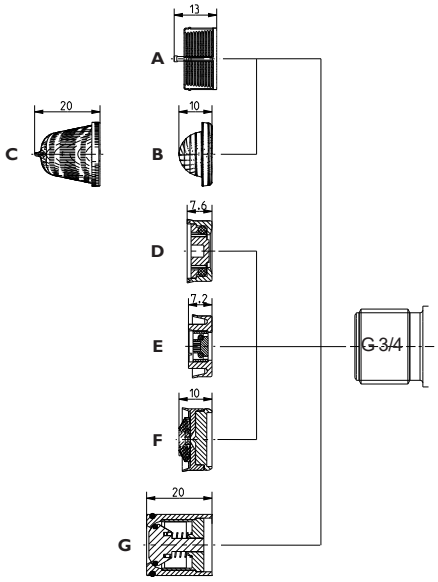
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Options for G 3/4 male thread of CF-17 components.

Strainers

	Material	Mesh size [mm]	T-medium [°C]	ID
A	POM	0,45	65	000811
B	Stainless steel	0,25	90	005452
C		0,50	90	003721



Flow regulators

	Material	Type	T-medium [°C]	Nominal flow rate from - to [l/min]
D	POM / EPDM	MR 11	65	5,0 - 20,0
E	POM / EPDM	MR 06	60	0,5 - 9,0
F	PEI / EPDM	MR 19	90	3,0 - 22,0

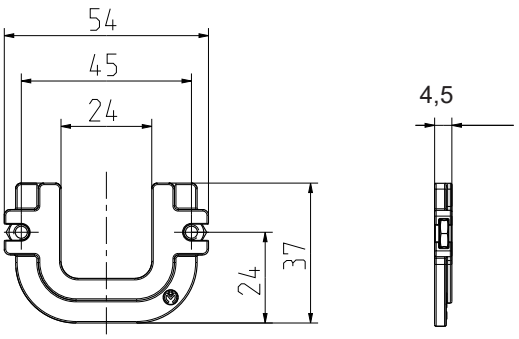
Check valves

	Material	T-medium [°C]	ID
G	POM	65	011020

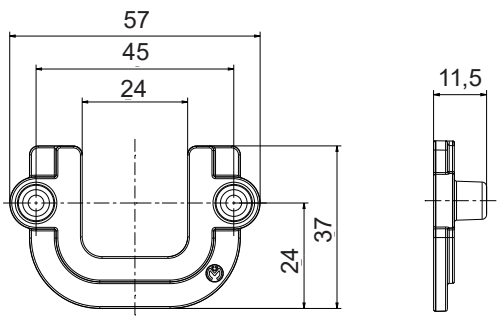
Please clarify the applicability and approvals of each aforemetioned component with us.

Flange as mounting support
(Please also see separate datasheet)

ID 010660



ID 010607



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Accessories: CF-H Threaded Nozzles

Materials

Swivel nut	PA 66 glass fibre reinforced
Spout and step reducer	PA 6/6 glass fibre reinforced
Seal	EPDM

The outlet nozzles are available with different spouts, with and without a ribbing contour. The ribbing of the connecting pieces ensures a secure fit of the connected hose.

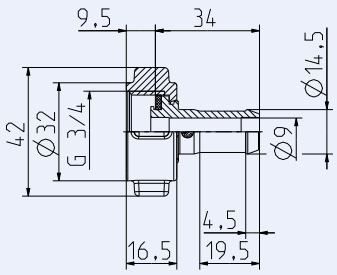
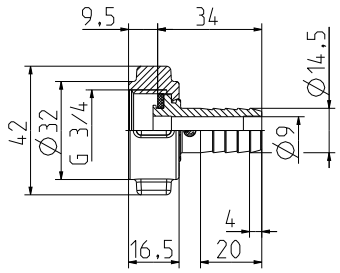
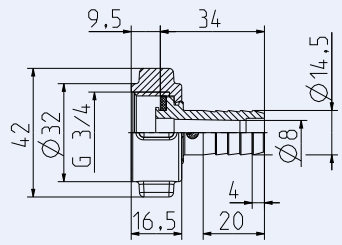
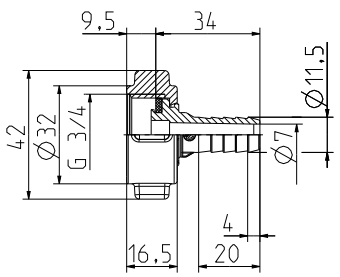
ATTENTION:

However, an additional securing of the connection point by a hose clamp may be required.

Technical Data

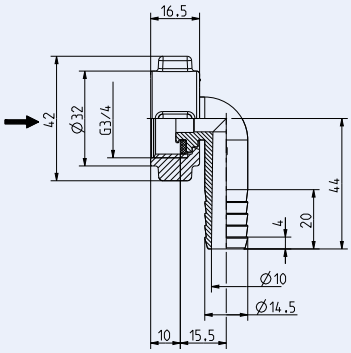
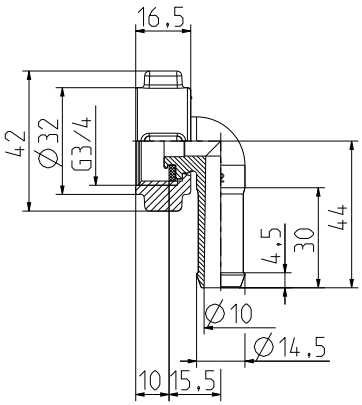
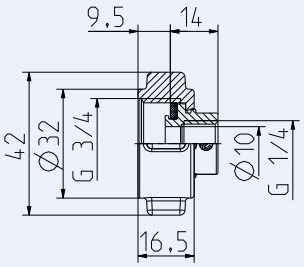
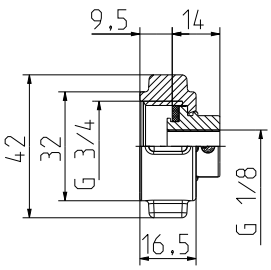
Type	connector fitting	
Construction	straight connector (0°) elbow connector (90°)	
Fitting position	any	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	90 (194	°C max. °F max.)
T-Ambient	5 - 70 (41 - 158	°C °F)
p-Operating	0 - 10 (0 - 145	bar psi)
Strength	according to EN 61770	

Options

	Inlet	Drawings and dimensions		Outlet		ID
				Connection	Inner diameter Ø	
CF-H S	G 3/4			1/2 " Ø 14,5 mm	9	**009682**
CF-H S	G 3/4			1/2 " Ø 14,5 mm	9	**009683**
CF-H S	G 3/4			1/2 " Ø 14,5 mm	8	**009684**
CF-H S	G 3/4			3/8 " Ø 11,5 mm	7	**009685**

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Options

	Inlet	Drawings and dimensions		Outlet		ID
				Connection	Inner diameter Ø	
CF-H L	G 3/4			1/2 " Ø 14,5 mm	10	**009686**
CF-H L	G 3/4			1/2 " Ø 14,5 mm	10	**009687**
CF-H G	G 3/4			G 1/4 female	10	**009688** on request
CF-H G	G 3/4			G 1/8 female		**009689** on request

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