



FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

## 4.1 / ACFZ-S

# ACFZ-S

## GALVANIZED STEEL FLEXIBLES



For industrial applications where a high flow rate and a high maximum temperature are required, these large hoses, from

diameter DN15 to DN50, are used.

### TECHNICAL DATA



DN

15  
18  
25  
32  
40  
50



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius

80 mm  
104 mm  
132 mm  
168 mm  
212 mm  
275 mm



Inliner pipe

EPDM



Braiding

GALVANIZED STEEL



Fittings

GALVANIZED STEEL  
o  
GALVANIZED CW617N

### APPLICATIONS



pumps



mounting columns

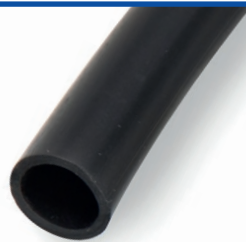


heating systems



generic installations

### INLINER PIPE



### EPDM

EPDM rubber is the most widespread inliner material. Available in various compounds, it shows excellent hygienic and mechanical characteristics as well as resistance to oxidation, environmental factors and high temperatures.

### TYPE OF FITTINGS

#### Male

G 1/2  
G 3/4  
G 1"  
G 1" 1/4  
G 1" 1/2  
G 2"



#### Female

G 1/2  
G 3/4  
G 1"  
G 1" 1/4  
G 1" 1/2  
G 2"



#### Elbow Female

G 1/2  
G 3/4  
G 1"  
G 1" 1/4

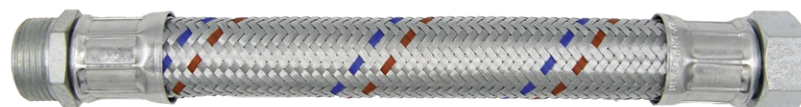


Instructions  
Pag. 438

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**AC 1501**

● G 1/2



Male

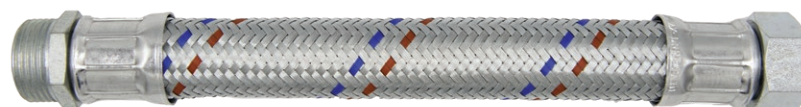
Female

● G 1/2

CODE	FITTINGS	DN	LENGHT mm			
QZMANZO300LAE	Male <b>G 1/2</b>  Female <b>G 1/2</b>	15	300	187	5	-
QZMANZO400LAE			400	222	5	-
QZMANZO500LAE			500	257	5	-
QZMANZO600LAE			600	291	5	-
QZMANZO700LAE			700	326	5	-
QZMANZO800LAE			800	360	5	-
QZMANZ1000LAE			1000	430	5	-

**AC 1801**

● G 3/4



Male

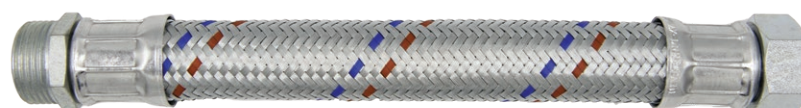
Female

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
SZMBTG0300LAE	Male <b>G 3/4</b>  Female <b>G 3/4</b>	18	300	260	5	-
SZMBTG0400LAE			400	312	5	-
SZMBTG0500LAE			500	362	5	-
SZMBTG0600LAE			600	413	5	-
SZMBTG0700LAE			700	464	5	-
SZMBTG0800LAE			800	515	5	-
SZMBTG1000LAE			1000	617	5	-

**AC 1802**

● G 1"



Male

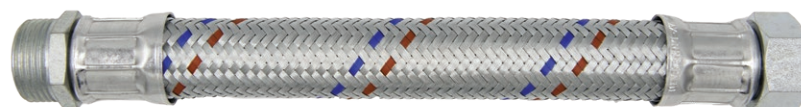
Female

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
SZMABG0300LAE	Male <b>G 1"</b>  Female <b>G 1"</b>	18	300	321	5	-
SZMABG0400LAE			400	371	5	-
SZMABG0500LAE			500	422	5	-
SZMABG0600LAE			600	473	5	-
SZMABG0700LAE			700	524	5	-
SZMABG0800LAE			800	575	5	-
SZMABG1000LAE			1000	677	5	-

**AC 2501**

● G 1"



Male

Female

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
TZMABG0300LAE	Male <b>G 1"</b>  Female <b>G 1"</b>	25	300	389	5	-
TZMABG0400LAE			400	459	5	-
TZMABG0500LAE			500	530	5	-
TZMABG0600LAE			600	601	5	-
TZMABG0700LAE			700	672	5	-
TZMABG0800LAE			800	742	5	-
TZMABG1000LAE			1000	884	5	-



DN

15  
18  
25



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min



Min. bending radius

80 mm  
104 mm  
132 mm



Inliner pipe

EPDM



Braiding

GALVANIZED STEEL



Fittings

GALVANIZED STEEL  
o  
GALVANIZED CW617N

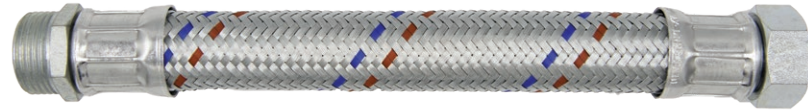


Instructions

Pag. 438

**AC 3201**

● G 1" 1/4



Male

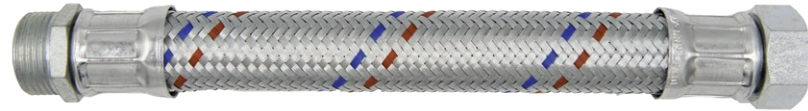
Female

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VZMAGG0300LAE	Male <b>G 1" 1/4</b>  Female <b>G 1" 1/4</b>	32	300	681	2	-
VZMAGG0400LAE			400	789	2	-
VZMAGG0500LAE			500	897	2	-
VZMAGG0600LAE			600	1.005	2	-
VZMAGG0700LAE			700	1.113	2	-
VZMAGG0800LAE			800	1.221	2	-
VZMAGG1000LAE			1000	1.437	2	-

**AC 4001**

● G 1" 1/2



Male

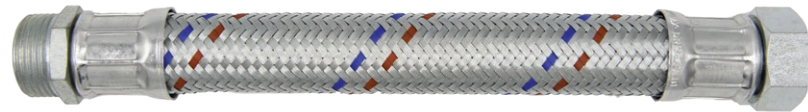
Female

● G 1" 1/2

CODE	FITTINGS	DN	LENGHT mm			
XZMAEB0300LAE	Male <b>G 1" 1/2</b>  Female <b>G 1" 1/2</b>	40	300	1.097	2	-
XZMAEB0400LAE			400	1.258	2	-
XZMAEB0500LAE			500	1.418	2	-
XZMAEB0600LAE			600	1.579	2	-
XZMAEB0700LAE			700	1.740	2	-
XZMAEB0800LAE			800	1.900	2	-
XZMAEB1000LAE			1000	2.222	2	-

**AC 5001**

● G 2"



Male

Female

● G 2"

CODE	FITTINGS	DN	LENGHT mm			
ZZMBNB0300LAE	Male <b>G 2"</b>  Female <b>G 2"</b>	50	300	1.553	1	-
ZZMBNB0400LAE			400	1.776	1	-
ZZMBNB0500LAE			500	1.998	1	-
ZZMBNB0600LAE			600	2.221	1	-
ZZMBNB0700LAE			700	2.444	1	-
ZZMBNB0800LAE			800	2.667	1	-
ZZMBNB1000LAE			1000	3.113	1	-



DN  
32  
40  
50



Max temperature  
110 °C



Max pressure  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius  
168 mm  
212 mm  
275 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



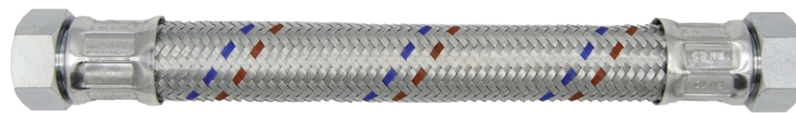
Fittings  
GALVANIZED STEEL



Instructions  
Pag. 438

**AC 1502**

● G 1/2



Female

Female

● G 1/2

CODE	FITTINGS	DN	LENGHT mm			
QZMFHZ0300LAE	Female <b>G 1/2</b>	15	300	183	5	-
QZMFHZ0400LAE			400	218	5	-
QZMFHZ0500LAE			500	253	5	-
QZMFHZ0600LAE			600	287	5	-
QZMFHZ0700LAE			700	322	5	-
QZMFHZ0800LAE			800	356	5	-
QZMFHZ1000LAE			1000	425	5	-

**AC 1803**

● G 3/4



Female

Female

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
SZMGCG0300LAE	Female <b>G 3/4</b>	18	300	272	5	-
SZMGCG0400LAE			400	323	5	-
SZMGCG0500LAE			500	374	5	-
SZMGCG0600LAE			600	425	5	-
SZMGCG0700LAE			700	476	5	-
SZMGCG0800LAE			800	527	5	-
SZMGCG1000LAE			1000	629	5	-

**AC 1804**

● G 1"



Female

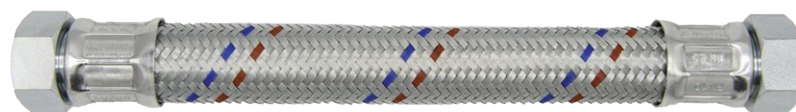
Female

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
SZMFBG0300LAE	Female <b>G 1"</b>	18	300	336	5	-
SZMFBG0400LAE			400	387	5	-
SZMFBG0500LAE			500	438	5	-
SZMFBG0600LAE			600	489	5	-
SZMFBG0700LAE			700	540	5	-
SZMFBG0800LAE			800	590	5	-
SZMFBG1000LAE			1000	693	5	-

**AC 2502**

● G 1"



Female

Female

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
TZMFBG0300LAE	Female <b>G 1"</b>	25	300	388	5	-
TZMFBG0400LAE			400	459	5	-
TZMFBG0500LAE			500	529	5	-
TZMFBG0600LAE			600	600	5	-
TZMFBG0700LAE			700	671	5	-
TZMFBG0800LAE			800	741	5	-
TZMFBG1000LAE			1000	883	5	-



DN

15  
18  
25



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min



Min. bending radius

80 mm  
104 mm  
132 mm



Inliner pipe

EPDM



Braiding

GALVANIZED STEEL



Fittings

GALVANIZED STEEL

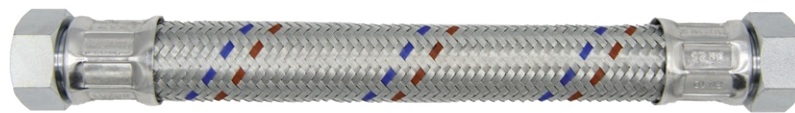


Instructions

Pag. 438

**AC 3202**

● G 1" 1/4



Female

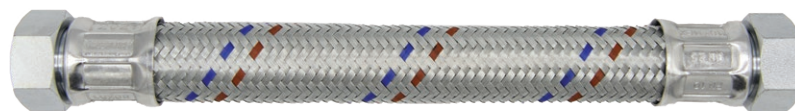
Female

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VZMFFG0300LAE	Female <b>G 1" 1/4</b>	32	300	672	2	-
VZMFFG0400LAE			400	780	2	-
VZMFFG0500LAE			500	888	2	-
VZMFFG0600LAE			600	995	2	-
VZMFFG0700LAE			700	1.103	2	-
VZMFFG0800LAE			800	1.211	2	-
VZMFFG1000LAE			1000	1.427	2	-

**AC 4002**

● G 1" 1/2



Female

Female

● G 1" 1/2

CODE	FITTINGS	DN	LENGHT mm			
XZMFGB0300LAE	Female <b>G 1" 1/2</b>	40	300	1.134	2	-
XZMFGB0400LAE			400	1.295	2	-
XZMFGB0500LAE			500	1.456	2	-
XZMFGB0600LAE			600	1.616	2	-
XZMFGB0700LAE			700	1.777	2	-
XZMFGB0800LAE			800	1.937	2	-
XZMFGB1000LAE			1000	2.259	2	-

**AC 5002**

● G 2"



Female

Female

● G 2"

CODE	FITTINGS	DN	LENGHT mm			
ZZMGAB0300LAE	Female <b>G 2"</b>	50	300	1.566	1	-
ZZMGAB0400LAE			400	1.789	1	-
ZZMGAB0500LAE			500	2.012	1	-
ZZMGAB0600LAE			600	2.235	1	-
ZZMGAB0700LAE			700	2.458	1	-
ZZMGAB0800LAE			800	2.681	1	-
ZZMGAB1000LAE			1000	3.127	1	-



DN  
32  
40  
50



Max temperature  
110 °C



Max pressure  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius  
168 mm  
212 mm  
275 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



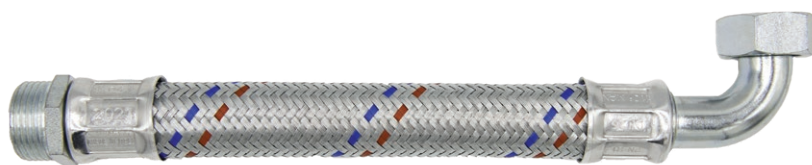
Fittings  
GALVANIZED STEEL



Instructions  
Pag. 438

**AC 1503**

● G 1/2



Male

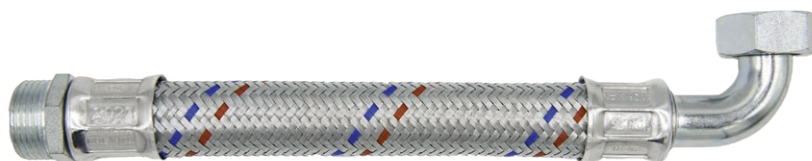
Elbow Female

● G 1/2

CODE	FITTINGS	DN	LENGHT mm			
QZMECZ0300LAE	Male <b>G 1/2</b>  Elbow Female <b>G 1/2</b>	15	300	201	5	-
QZMECZ0400LAE			400	236	5	-
QZMECZ0500LAE			500	270	5	-
QZMECZ0600LAE			600	305	5	-
QZMECZ0700LAE			700	340	5	-
QZMECZ0800LAE			800	374	5	-
QZMECZ1000LAE			1000	443	5	-

**AC 1805**

● G 3/4



Male

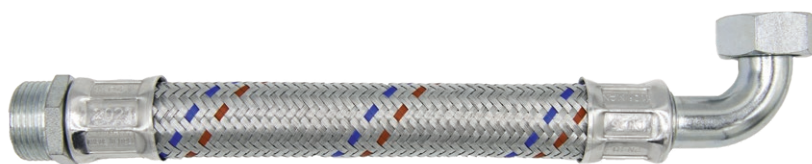
Elbow Female

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
SZMEYG0300LAE	Male <b>G 3/4</b>  Elbow Female <b>G 3/4</b>	18	300	280	5	-
SZMEYG0400LAE			400	330	5	-
SZMEYG0500LAE			500	382	5	-
SZMEYG0600LAE			600	432	5	-
SZMEYG0700LAE			700	483	5	-
SZMEYG0800LAE			800	535	5	-
SZMEYG1000LAE			1000	637	5	-

**AC 1806**

● G 1"



Male

Elbow Female

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
SZMDVG0300LAE	Male <b>G 1"</b>  Elbow Female <b>G 1"</b>	18	300	317	2	-
SZMDVG0400LAE			400	368	2	-
SZMDVG0500LAE			500	419	2	-
SZMDVG0600LAE			600	470	2	-
SZMDVG0700LAE			700	520	2	-
SZMDVG0800LAE			800	571	2	-
SZMDVG1000LAE			1000	673	2	-



DN  
15  
18



Max temperature  
110 °C



Max pressure  
10 bar  
10 bar



Flow rate at 3 bar  
83 l/min  
200 l/min



Min. bending radius  
80 mm  
104 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



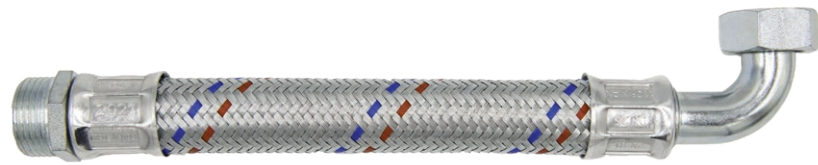
Fittings  
GALVANIZED STEEL



Instructions  
Pag. 438

**AC 2503**

● G 1"



Male

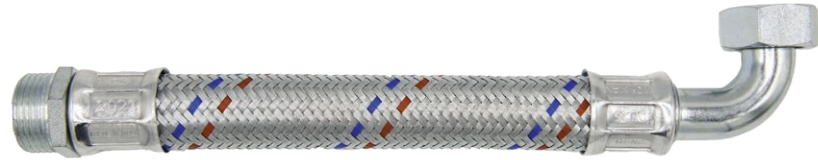
Elbow Female

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
TZMDVG0300LAE	Male <b>G 1"</b>  Elbow Female <b>G 1"</b>	25	300	394	2	-
TZMDVG0400LAE			400	465	2	-
TZMDVG0500LAE			500	535	2	-
TZMDVG0600LAE			600	606	2	-
TZMDVG0700LAE			700	677	2	-
TZMDVG0800LAE			800	748	2	-
TZMDVG1000LAE			1000	889	2	-

**AC 3203**

● G 1" 1/4



Male

Elbow Female

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VZMDZG0300LAE	Male <b>G 1" 1/4</b>  Stainless steel Elbow Female <b>G 1" 1/4</b>	32	300	706	2	-
VZMDZG0400LAE			400	814	2	-
VZMDZG0500LAE			500	922	2	-
VZMDZG0600LAE			600	1.030	2	-
VZMDZG0700LAE			700	1.138	2	-
VZMDZG0800LAE			800	1.246	2	-
VZMDZG1000LAE			1000	1.462	2	-



DN  
25  
32



Max temperature  
110 °C



Max pressure  
10 bar  
6 bar



Flow rate at 3 bar  
280 l/min  
490 l/min



Min. bending radius  
132 mm  
168 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



Fittings  
GALVANIZED STEEL



Instructions  
Pag. 438





FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

## 4.2 / ACFZ-B

## ACFZ-B BRASS FITTINGS



To meet the needs of more customers, ACFZ-B tubes were created, combining the cost-effectiveness of galvanised steel

el braids with the best features of brass fittings. These hoses are available from DN15 to DN50.

### TECHNICAL DATA



DN

15  
18  
25  
32  
40  
50



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius

80 mm  
104 mm  
132 mm  
168 mm  
212 mm  
275 mm



Inliner pipe

EPDM



Braiding

GALVANIZED  
STEEL



Fittings

CW617N

### APPLICATIONS



pumps



mounting columns



heating systems



generic installations

### INLINER PIPE



### EPDM

EPDM rubber is the most widespread inliner material. Available in various compounds, it shows excellent hygienic and mechanical characteristics as well as resistance to oxidation, environmental factors and high temperatures.

### TYPE OF FITTINGS

#### Male (Brass fittings)

G 1/2  
G 3/4  
G 1"  
G 1" 1/4  
G 1" 1/2  
G 2"



#### Female (Brass fittings)

G 1/2  
G 3/4  
G 1"  
G 1" 1/4  
G 1" 1/2  
G 2"



#### Elbow Female (Brass fittings)

G 1/2  
G 3/4  
G 1"  
G 1" 1/4



Instructions  
Pag. 438

Please contact our technical department for further information

**AC 1504**

● G 1/2



Male (Brass fittings)

Female (Brass fittings)

● G 1/2

CODE	FITTINGS	DN	LENGHT mm			
QZMANS0300LAE	Male (Brass fittings) <b>G 1/2</b>	15	300	181	5	-
QZMANS0400LAE			400	216	5	-
QZMANS0500LAE			500	250	5	-
QZMANS0600LAE	Female (Brass fittings) <b>G 1/2</b>		600	285	5	-
QZMANS0700LAE			700	320	5	-
QZMANS0800LAE			800	354	5	-
QZMANS1000LAE		1000	423	5	-	

**AC 1807**

● G 3/4



Male (Brass fittings)

Female (Brass fittings)

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
SZMBSS0300LAE	Male (Brass fittings) <b>G 3/4</b>	18	300	265	5	-
SZMBSS0400LAE			400	316	5	-
SZMBSS0500LAE			500	367	5	-
SZMBSS0600LAE	Female (Brass fittings) <b>G 3/4</b>		600	418	5	-
SZMBSS0700LAE			700	469	5	-
SZMBSS0800LAE			800	520	5	-
SZMBSS1000LAE		1000	622	5	-	

**AC 2504**

● G 1"



Male (Brass fittings)

Female (Brass fittings)

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
TZMAAS0300LAE	Male (Brass fittings) <b>G 1"</b>	25	300	412	5	-
TZMAAS0400LAE			400	483	5	-
TZMAAS0500LAE			500	554	5	-
TZMAAS0600LAE	Female (Brass fittings) <b>G 1"</b>		600	624	5	-
TZMAAS0700LAE			700	695	5	-
TZMAAS0800LAE			800	766	5	-
TZMAAS1000LAE		1000	907	5	-	



DN  
15  
18  
25



Max temperature  
110 °C



Max pressure  
10 bar  
10 bar  
10 bar



Flow rate at 3 bar  
83 l/min  
200 l/min  
280 l/min



Min. bending radius  
80 mm  
104 mm  
132 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



Fittings  
CW617N



Instructions  
Pag. 438

**AC 3204**

● G 1" 1/4



Male (Brass fittings)

Female (Brass fittings)

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VZMAFS0300LAE	Male (Brass fittings) <b>G 1" 1/4</b>	32	300	714	2	-
VZMAFS0400LAE			400	822	2	-
VZMAFS0500LAE			500	930	2	-
VZMAFS0600LAE			600	1.038	2	-
VZMAFS0700LAE	Female (Brass fittings) <b>G 1" 1/4</b>	32	700	1.146	2	-
VZMAFS0800LAE			800	1.254	2	-
VZMAFS1000LAE			1000	1.470	2	-

**AC 4003**

● G 1" 1/2



Male (Brass fittings)

Female (Brass fittings)

● G 1" 1/2

CODE	FITTINGS	DN	LENGHT mm			
XZMAES0300LAE	Male (Brass fittings) <b>G 1" 1/2</b>	40	300	1.140	2	-
XZMAES0400LAE			400	1.300	2	-
XZMAES0500LAE			500	1.461	2	-
XZMAES0600LAE			600	1.622	2	-
XZMAES0700LAE	Female (Brass fittings) <b>G 1" 1/2</b>	40	700	1.783	2	-
XZMAES0800LAE			800	1.943	2	-
XZMAES1000LAE			1000	2.264	2	-

**AC 5003**

● G 2"



Male (Brass fittings)

Female (Brass fittings)

● G 2"

CODE	FITTINGS	DN	LENGHT mm			
ZZMBNS0300LAE	Male (Brass fittings) <b>G 2"</b>	50	300	1.641	1	-
ZZMBNS0400LAE			400	1.864	1	-
ZZMBNS0500LAE			500	2.087	1	-
ZZMBNS0600LAE			600	2.310	1	-
ZZMBNS0700LAE	Female (Brass fittings) <b>G 2"</b>	50	700	2.533	1	-
ZZMBNS0800LAE			800	2.756	1	-
ZZMBNS1000LAE			1000	3.202	1	-



DN  
32  
40  
50



Max temperature  
110 °C



Max pressure  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius  
168 mm  
212 mm  
275 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



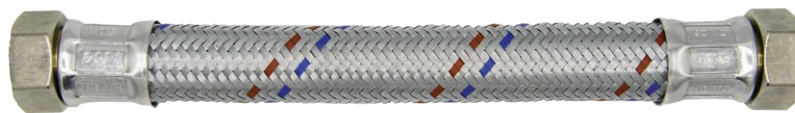
Fittings  
CW617N



Instructions  
Pag. 438

**AC 1505**

● G 1/2



● G 1/2

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
QZMFHS0300LAE	Female (Brass fittings) <b>G 1/2</b>	15	300	185	5	-
QZMFHS0400LAE			400	220	5	-
QZMFHS0500LAE			500	255	5	-
QZMFHS0600LAE			600	289	5	-
QZMFHS0700LAE	Female (Brass fittings) <b>G 1/2</b>	15	700	323	5	-
QZMFHS0800LAE			800	358	5	-
QZMFHS1000LAE			1000	427	5	-

**AC 1808**

● G 3/4



● G 3/4

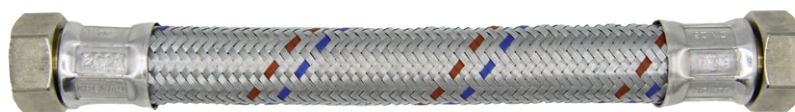
Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
SZMGBS0300LAE	Female (Brass fittings) <b>G 3/4</b>	18	300	270	5	-
SZMGBS0400LAE			400	321	5	-
SZMGBS0500LAE			500	372	5	-
SZMGBS0600LAE			600	423	5	-
SZMGBS0700LAE	Female (Brass fittings) <b>G 3/4</b>	18	700	474	5	-
SZMGBS0800LAE			800	525	5	-
SZMGBS1000LAE			1000	627	5	-

**AC 2505**

● G 1"



● G 1"

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
TZMFAS0300LAE	Female (Brass fittings) <b>G 1"</b>	25	300	508	5	-
TZMFAS0400LAE			400	578	5	-
TZMFAS0500LAE			500	649	5	-
TZMFAS0600LAE			600	720	5	-
TZMFAS0700LAE	Female (Brass fittings) <b>G 1"</b>	25	700	790	5	-
TZMFAS0800LAE			800	861	5	-
TZMFAS1000LAE			1000	1002	5	-



DN  
15  
18  
25



Max temperature  
110 °C



Max pressure  
10 bar  
10 bar  
10 bar



Flow rate at 3 bar  
83 l/min  
200 l/min  
280 l/min



Min. bending radius  
80 mm  
104 mm  
132 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



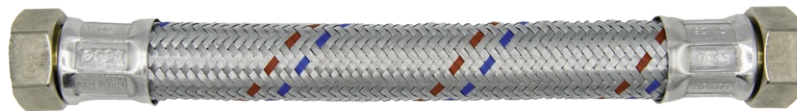
Fittings  
CW617N



Instructions  
Pag. 438

**AC 3205**

● G 1" 1/4



Female (Brass fittings)

Female (Brass fittings)

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VZMFES0300LAE	Female (Brass fittings) <b>G 1" 1/4</b>	32	300	704	2	-
VZMFES0400LAE			400	812	2	-
VZMFES0500LAE			500	920	2	-
VZMFES0600LAE			600	1.028	2	-
VZMFES0700LAE	Female (Brass fittings) <b>G 1" 1/4</b>	32	700	1.136	2	-
VZMFES0800LAE			800	1.244	2	-
VZMFES1000LAE			1000	1.460	2	-

**AC 4004**

● G 1" 1/2



Female (Brass fittings)

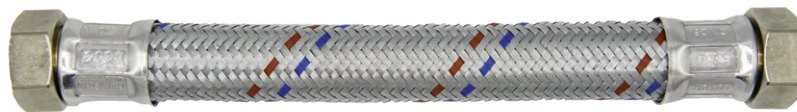
Female (Brass fittings)

● G 1" 1/2

CODE	FITTINGS	DN	LENGHT mm			
XZMFGS0300LAE	Female (Brass fittings) <b>G 1" 1/2</b>	40	300	1.180	2	-
XZMFGS0400LAE			400	1.341	2	-
XZMFGS0500LAE			500	1.501	2	-
XZMFGS0600LAE			600	1.662	2	-
XZMFGS0700LAE	Female (Brass fittings) <b>G 1" 1/2</b>	40	700	1.823	2	-
XZMFGS0800LAE			800	1.983	2	-
XZMFGS1000LAE			1000	2.305	2	-

**AC 5004**

● G 2"



Female (Brass fittings)

Female (Brass fittings)

● G 2"

CODE	FITTINGS	DN	LENGHT mm			
ZZMGAS0300LAE	Female (Brass fittings) <b>G 2"</b>	50	300	1.672	1	-
ZZMGAS0400LAE			400	1.895	1	-
ZZMGAS0500LAE			500	2.118	1	-
ZZMGAS0600LAE			600	2.341	1	-
ZZMGAS0700LAE	Female (Brass fittings) <b>G 2"</b>	50	700	2.564	1	-
ZZMGAS0800LAE			800	2.787	1	-
ZZMGAS1000LAE			1000	3.233	1	-



DN  
32  
40  
50



Max temperature  
110 °C



Max pressure  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius  
168 mm  
212 mm  
275 mm



Inliner pipe  
EPDM



Braiding  
GALVANIZED STEEL



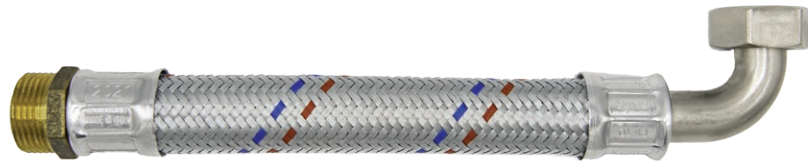
Fittings  
CW617N



Instructions  
Pag. 438

**AC 1506**

● G 1/2



Male (Brass fittings)

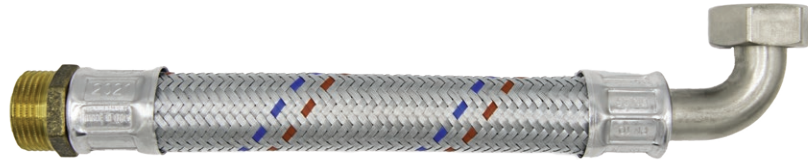
Elbow Female (Brass fittings)

● G 1/2

CODE	FITTINGS	DN	LENGHT mm			
QZMECS0300LAE	Male (Brass fittings) <b>G 1/2</b>	15	300	195	5	-
QZMECS0400LAE			400	230	5	-
QZMECS0500LAE			500	265	5	-
QZMECS0600LAE			600	299	5	-
QZMECS0700LAE	Elbow Female (Brass fittings) <b>G 1/2</b>	15	700	333	5	-
QZMECS0800LAE			800	368	5	-
QZMECS1000LAE			1000	437	5	-

**AC 1809**

● G 3/4



Male (Brass fittings)

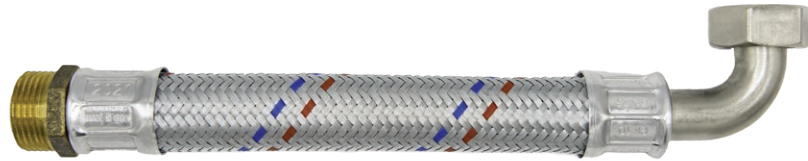
Elbow Female (Brass fittings)

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
SZMENS0300LAE	Male (Brass fittings) <b>G 3/4</b>	18	300	272	5	-
SZMENS0400LAE			400	323	5	-
SZMENS0500LAE			500	374	5	-
SZMENS0600LAE			600	425	5	-
SZMENS0700LAE	Elbow Female (Brass fittings) <b>G 3/4</b>	18	700	476	5	-
SZMENS0800LAE			800	527	5	-
SZMENS1000LAE			1000	627	5	-

**AC 2506**

● G 1"



Male (Brass fittings)

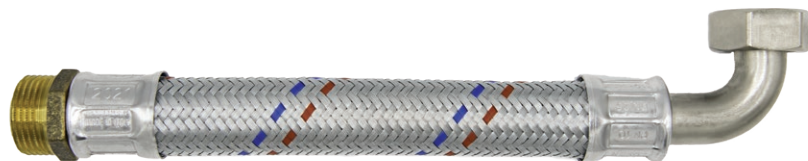
Elbow Female (Brass fittings)

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
TZMDUS0300LAE	Male (Brass fittings) <b>G 1"</b>	25	300	413	2	-
TZMDUS0400LAE			400	483	2	-
TZMDUS0500LAE			500	554	2	-
TZMDUS0600LAE			600	625	2	-
TZMDUS0700LAE	Elbow Female (Brass fittings) <b>G 1"</b>	25	700	695	2	-
TZMDUS0800LAE			800	766	2	-
TZMDUS1000LAE			1000	906	2	-

**AC 3206**

● G 1" 1/4



Male (Brass fittings)

Elbow Female

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VZMDYS0300LAE	Male (Brass fittings) <b>G 1" 1/4</b>	32	300	715	2	-
VZMDYS0400LAE			400	823	2	-
VZMDYS0500LAE			500	931	2	-
VZMDYS0600LAE			600	1.039	2	-
VZMDYS0700LAE	Stainless steel Elbow Female <b>G 1" 1/4</b>	32	700	1.147	2	-
VZMDYS0800LAE			800	1.255	2	-
VZMDYS1000LAE			1000	1.470	2	-



DN

15  
18  
25  
32



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar  
6 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min  
490 l/min



Min. bending radius

80 mm  
104 mm  
132 mm  
168 mm



Inliner pipe

EPDM



Braiding

GALVANIZED STEEL



Fittings

CW617N



Instructions

Pag. 438







FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

## 4.3 / ACFX

# ACFX

## STAINLESS STEEL FLEXIBLES



Clad in stainless steel braid with brass fittings, they are suitable for connecting pumps, boilers, autoclaves and upri-

ghts, ideal for industrial applications. They are available from diameter DN15 to DN50.

### TECHNICAL DATA



DN

15  
18  
25  
32  
40  
50



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius

80 mm  
104 mm  
132 mm  
168 mm  
212 mm  
275 mm



Inliner pipe

EPDM



Braiding

INOX AISI 304



Fittings

CW617N

### APPLICATIONS



pumps



mounting columns



heating systems



conditioning systems



generic installations

### INLINER PIPE



### EPDM

EPDM rubber is the most widespread inliner material. Available in various compounds, it shows excellent hygienic and mechanical characteristics as well as resistance to oxidation, environmental factors and high temperatures.

### TYPE OF FITTINGS

#### Male

G 1/2  
G 3/4  
G 1"  
G 1" 1/4  
G 1" 1/2  
G 2"



#### Female

G 1/2  
G 3/4  
G 1"  
G 1" 1/4  
G 1" 1/2  
G 2"



#### Elbow Female

G 1/2  
G 3/4  
G 1"  
G 1" 1/4



### APPROVALS

EN 13618  
UE



TÜV  
Germany

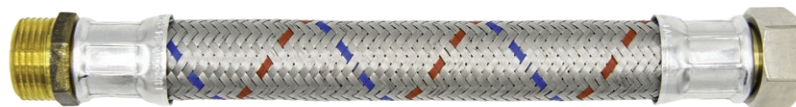


Instructions  
Pag. 438

Please contact our technical department for further information

**AC 1507**

● G 1/2



Male (Brass fittings)

Female (Brass fittings)

● G 1/2

CODE	FITTINGS	DN	LENGHT mm			
QCMANS0300TAE	Male (Brass fittings) <b>G 1/2</b>	15	300	167	5	-
QCMANS0400TAE			400	196	5	-
QCMANS0500TAE			500	225	5	-
QCMANS0600TAE	Female (Brass fittings) <b>G 1/2</b>		600	254	5	-
QCMANS0700TAE			700	283	5	-
QCMANS0800TAE			800	612	5	-
QCMANS1000TAE		1000	871	5	-	

**AC 1810**

● G 3/4



Male (Brass fittings)

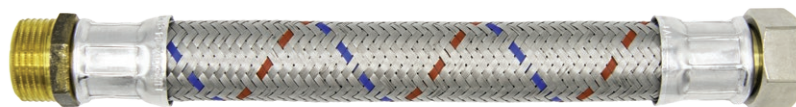
Female (Brass fittings)

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
SCMBSS0300TAE	Male (Brass fittings) <b>G 3/4</b>	18	300	247	5	-
SCMBSS0400TAE			400	291	5	-
SCMBSS0500TAE			500	335	5	-
SCMBSS0600TAE	Female (Brass fittings) <b>G 3/4</b>		600	379	5	-
SCMBSS0700TAE			700	423	5	-
SCMBSS0800TAE			800	467	5	-
SCMBSS1000TAE		1000	555	5	-	

**AC 2507**

● G 1"



Male (Brass fittings)

Female (Brass fittings)

● G 1"

CODE	FITTINGS	DN	LENGHT mm			
TCMAAS0300TAE	Male (Brass fittings) <b>G 1"</b>	25	300	398	5	-
TCMAAS0400TAE			400	464	5	-
TCMAAS0500TAE			500	529	5	-
TCMAAS0600TAE	Female (Brass fittings) <b>G 1"</b>		600	594	5	-
TCMAAS0700TAE			700	660	5	-
TCMAAS0800TAE			800	725	5	-
TCMAAS1000TAE		1000	856	5	-	



DN  
15  
18  
25



Max temperature  
110 °C



Max pressure  
10 bar  
10 bar  
10 bar



Flow rate at 3 bar  
83 l/min  
200 l/min  
280 l/min



Min. bending radius  
80 mm  
104 mm  
132 mm



Inliner pipe  
EPDM



Braiding  
INOX AISI 304



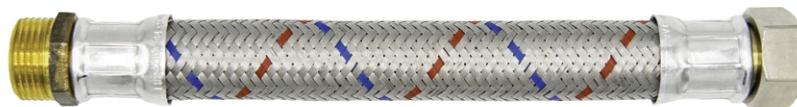
Fittings  
CW617N



Instructions  
Pag. 438

**AC 3207**

● G 1" 1/4



Male (Brass fittings)

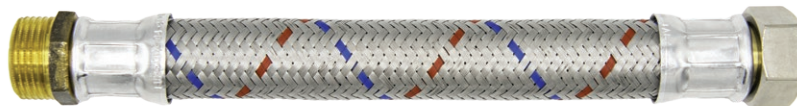
Female (Brass fittings)

● G 1" 1/4

CODE	FITTINGS	DN	LENGHT mm			
VCMAFS0300TAE	Male (Brass fittings) <b>G 1" 1/4</b>	32	300	684	2	-
VCMAFS0400TAE			400	780	2	-
VCMAFS0500TAE			500	876	2	-
VCMAFS0600TAE			600	972	2	-
VCMAFS0700TAE	Female (Brass fittings) <b>G 1" 1/4</b>		700	1.068	2	-
VCMAFS0800TAE			800	1.164	2	-
VCMAFS1000TAE			1000	1.356	2	-

**AC 4005**

● G 1" 1/2



Male (Brass fittings)

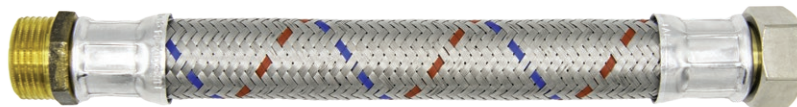
Female (Brass fittings)

● G 1" 1/2

CODE	FITTINGS	DN	LENGHT mm			
XCMAES0300TAE	Male (Brass fittings) <b>G 1" 1/2</b>	40	300	1.136	2	-
XCMAES0400TAE			400	1.296	2	-
XCMAES0500TAE			500	1.456	2	-
XCMAES0600TAE			600	1.616	2	-
XCMAES0700TAE	Female (Brass fittings) <b>G 1" 1/2</b>		700	1.776	2	-
XCMAES0800TAE			800	1.936	2	-
XCMAES1000TAE			1000	2.256	2	-

**AC 5005**

● G 2"



Male (Brass fittings)

Female (Brass fittings)

● G 2"

CODE	FITTINGS	DN	LENGHT mm			
ZCMBNS0300TAE	Male (Brass fittings) <b>G 2"</b>	50	300	1.618	1	-
ZCMBNS0400TAE			400	1.840	1	-
ZCMBNS0500TAE			500	2.063	1	-
ZCMBNS0600TAE			600	2.285	1	-
ZCMBNS0700TAE	Female (Brass fittings) <b>G 2"</b>		700	2.507	1	-
ZCMBNS0800TAE			800	2.729	1	-
ZCMBNS1000TAE			1000	3.174	1	-



DN  
32  
40  
50



Max temperature  
110 °C



Max pressure  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius  
168 mm  
212 mm  
275 mm



Inliner pipe  
EPDM



Braiding  
INOX AISI 304



Fittings  
CW617N



Instructions  
Pag. 438

**AC 1508**

● G 1/2



● G 1/2

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
QCMFHS0300TAE	Female (Brass fittings) <b>G 1/2</b>	15	300	171	5	-
QCMFHS0400TAE			400	200	5	-
QCMFHS0500TAE			500	229	5	-
QCMFHS0600TAE			600	258	5	-
QCMFHS0700TAE	Female (Brass fittings) <b>G 1/2</b>	15	700	287	5	-
QCMFHS0800TAE			800	316	5	-
QCMFHS1000TAE			1000	374	5	-

**AC 1811**

● G 3/4



● G 3/4

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
SCMGBS0300TAE	Female (Brass fittings) <b>G 3/4</b>	18	300	251	5	-
SCMGBS0400TAE			400	295	5	-
SCMGBS0500TAE			500	339	5	-
SCMGBS0600TAE			600	383	5	-
SCMGBS0700TAE	Female (Brass fittings) <b>G 3/4</b>	18	700	427	5	-
SCMGBS0800TAE			800	471	5	-
SCMGBS1000TAE			1000	559	5	-

**AC 2508**

● G 1"



● G 1"

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
TCMFAS0300TAE	Female (Brass fittings) <b>G 1"</b>	25	300	403	5	-
TCMFAS0400TAE			400	469	5	-
TCMFAS0500TAE			500	534	5	-
TCMFAS0600TAE			600	599	5	-
TCMFAS0700TAE	Female (Brass fittings) <b>G 1"</b>	25	700	665	5	-
TCMFAS0800TAE			800	730	5	-
TCMFAS1000TAE			1000	861	5	-



DN  
15  
18  
25



Max temperature  
110 °C



Max pressure  
10 bar  
10 bar  
10 bar



Flow rate at 3 bar  
83 l/min  
200 l/min  
280 l/min



Min. bending radius  
80 mm  
104 mm  
132 mm



Inliner pipe  
EPDM



Braiding  
INOX AISI 304



Fittings  
CW617N



Instructions  
Pag. 438

**AC 3208**

● G 1" 1/4



● G 1" 1/4

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
VCMFES0300TAE	Female (Brass fittings) <b>G 1" 1/4</b>	32	300	673	2	-
VCMFES0400TAE			400	769	2	-
VCMFES0500TAE			500	865	2	-
VCMFES0600TAE			600	961	2	-
VCMFES0700TAE	Female (Brass fittings) <b>G 1" 1/4</b>	32	700	1.057	2	-
VCMFES0800TAE			800	1.154	2	-
VCMFES1000TAE			1000	1.346	2	-

**AC 4006**

● G 1" 1/2



● G 1" 1/2

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
XCMFGS0300TAE	Female (Brass fittings) <b>G 1" 1/2</b>	40	300	1.176	2	-
XCMFGS0400TAE			400	1.336	2	-
XCMFGS0500TAE			500	1.496	2	-
XCMFGS0600TAE			600	1.656	2	-
XCMFGS0700TAE	Female (Brass fittings) <b>G 1" 1/2</b>	40	700	1.816	2	-
XCMFGS0800TAE			800	1.976	2	-
XCMFGS1000TAE			1000	2.296	2	-

**AC 5006**

● G 2"



● G 2"

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
ZCMGAS0300TAE	Female (Brass fittings) <b>G 2"</b>	50	300	1.628	1	-
ZCMGAS0400TAE			400	1.850	1	-
ZCMGAS0500TAE			500	2.073	1	-
ZCMGAS0600TAE			600	2.295	1	-
ZCMGAS0700TAE	Female (Brass fittings) <b>G 2"</b>	50	700	2.517	1	-
ZCMGAS0800TAE			800	2.739	1	-
ZCMGAS1000TAE			1000	3.184	1	-



DN  
32  
40  
50



Max temperature  
110 °C



Max pressure  
6 bar  
6 bar  
6 bar



Flow rate at 3 bar  
490 l/min  
800 l/min  
1300 l/min



Min. bending radius  
168 mm  
212 mm  
275 mm



Inliner pipe  
EPDM



Braiding  
INOX AISI 304



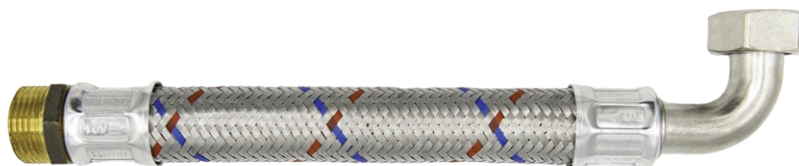
Fittings  
CW617N



Instructions  
Pag. 438

**AC 1509**

● G 1/2



● G 1/2

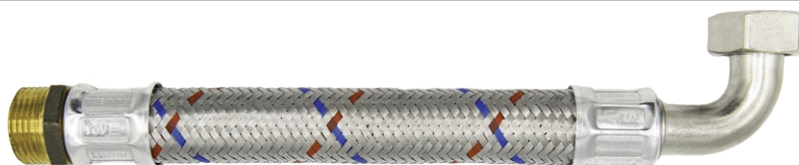
Male (Brass fittings)

Elbow Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
QCMECS0300TAE	Male (Brass fittings) <b>G 1/2</b>  Elbow Female (Brass fittings) <b>G 1/2</b>	15	300	183	5	-
QCMECS0400TAE			400	212	5	-
QCMECS0500TAE			500	241	5	-
QCMECS0600TAE			600	270	5	-
QCMECS0700TAE			700	299	5	-
QCMECS0800TAE			800	328	5	-
QCMECS1000TAE			1000	386	5	-

**AC 1812**

● G 3/4



● G 3/4

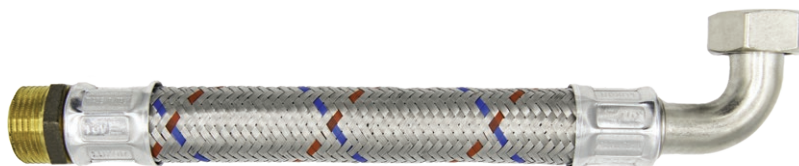
Male (Brass fittings)

Elbow Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
SCMENS0300TAE	Male (Brass fittings) <b>G 3/4</b>  Elbow Female (Brass fittings) <b>G 3/4</b>	18	300	256	5	-
SCMENS0400TAE			400	300	5	-
SCMENS0500TAE			500	344	5	-
SCMENS0600TAE			600	388	5	-
SCMENS0700TAE			700	432	5	-
SCMENS0800TAE			800	476	5	-
SCMENS1000TAE			1000	564	5	-

**AC 2509**

● G 1"



● G 1"

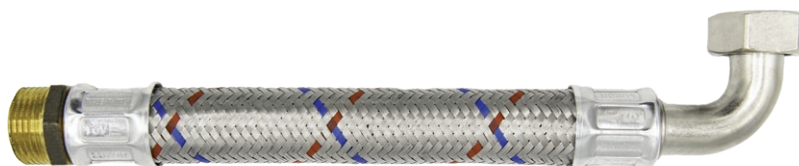
Male (Brass fittings)

Elbow Female (Brass fittings)

CODE	FITTINGS	DN	LENGHT mm			
TCMDUS0300TAE	Male (Brass fittings) <b>G 1"</b>  Elbow Female (Brass fittings) <b>G 1"</b>	25	300	400	2	-
TCMDUS0400TAE			400	466	2	-
TCMDUS0500TAE			500	531	2	-
TCMDUS0600TAE			600	596	2	-
TCMDUS0700TAE			700	662	2	-
TCMDUS0800TAE			800	727	2	-
TCMDUS1000TAE			1000	858	2	-

**AC 3209**

● G 1" 1/4



● G 1" 1/4

Male (Brass fittings)

Elbow Female

CODE	FITTINGS	DN	LENGHT mm			
VCMDSY0300TAE	Male (Brass fittings) <b>G 1" 1/4</b>  Stainless steel Elbow Female <b>G 1" 1/4</b>	32	300	689	2	-
VCMDSY0400TAE			400	785	2	-
VCMDSY0500TAE			500	881	2	-
VCMDSY0600TAE			600	977	2	-
VCMDSY0700TAE			700	1.073	2	-
VCMDSY0800TAE			800	1.169	2	-
VCMDSY1000TAE			1000	1.361	2	-



DN

15  
18  
25  
32



Max temperature

110 °C



Max pressure

10 bar  
10 bar  
10 bar  
6 bar



Flow rate at 3 bar

83 l/min  
200 l/min  
280 l/min  
490 l/min



Min. bending radius

80 mm  
104 mm  
132 mm  
168 mm



Inliner pipe

EPDM



Braiding

INOX AISI 304



Fittings

CW617N



Instructions

Pag. 438







**FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES**

## **4.4 / ACEX**

# ACEX

## EXTENSIBLE HOSES



For the connection between the water network and the wall boilers. Extendable metal hose with stainless steel bellows

available in different sizes to meet the needs of the installer and the manufacturers of wall-hung boilers.

### TECHNICAL DATA



DN  
15  
20  
25



Max temperature  
90 °C



Max pressure  
6  
4  
4



Flow rate at 3 bar  
-



Min. bending radius  
-



Inliner pipe  
AISI 316



Braiding  
-



Fittings  
AISI 303  
CW614N

### APPLICATIONS



pumps



mounting columns



heating systems



conditioning systems



generic installations

### TYPE OF FITTINGS

**Male**  
R 1/2  
R 3/4  
R 1"



**Female**  
G 1/2  
G 3/4  
G 1"



Instructions  
Pag. 438

Please contact our technical department for further information

**AC 1510**

● G 1/2



● G 1/2

Male

Female

CODE	FITTINGS	DN	LENGHT mm			
81200100	Male <b>R 1/2</b>	15	90 x 140	78	-	10
81200200			130 x 220	86	-	10
81200300	Female <b>G 1/2</b>		220 x 420	112	-	10

**AC 1511**

● G 1/2



● G 3/4

Male

Female

CODE	FITTINGS	DN	LENGHT mm			
81210100	Male <b>R 1/2</b>	15	90 x 140	100	-	10
81210200			130 x 220	112	-	10
81210300	Female <b>G 3/4</b>		220 x 420	152	-	10

**AC 2001**

● G 3/4



● G 3/4

Male

Female

CODE	FITTINGS	DN	LENGHT mm			
81220100	Male <b>R 3/4</b>	20	90 x 140	102	-	10
81220200			130 x 220	118	-	10
81220300	Female <b>G 3/4</b>		220 x 420	164	-	10

**AC 2510**

● G 1"



● G 1"

Male

Female

CODE	FITTINGS	DN	LENGHT mm			
81230100	Male <b>R 1"</b>	25	90 x 140	196	-	10
81230200			130 x 220	222	-	10
81230300	Female <b>G 1"</b>		220 x 420	296	-	10



DN  
15  
20  
25



Max temperature  
90 °C



Max pressure  
6  
4  
4



Flow rate at 3 bar  
-



Min. bending radius  
-



Inliner pipe  
AISI 316



Braiding  
-



Fittings  
AISI 303  
CW614N



Instructions  
Pag. 438

## ASSEMBLY INSTRUCTIONS

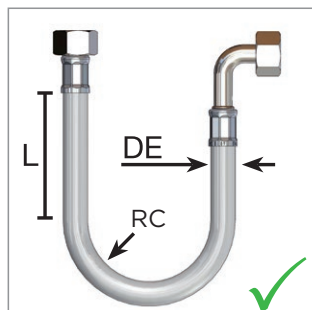
Luxor's flexible hoses are produced for water adduction and distribution. The use of other liquid elements or chemical solutions is not guaranteed if not clearly agreed with the Technical Office.

Always carry out system test after the installation of the flexible hoses to check leakages or functional products defects.

Test the correct grounding of the electrical appliances (air conditioning systems, whirlpools, etc.) where hoses are connected. Any possible electrical dispersion could favor corrosive actions.

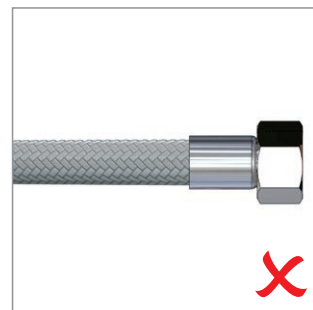
For installations in rooms with high humidity, where there is condensation, it is necessary to use flexible hoses with braiding and ferrules in stainless steel.

Design the system using hoses of adequate length and fittings to minimise hose twists and tensions (always check the product datasheets).

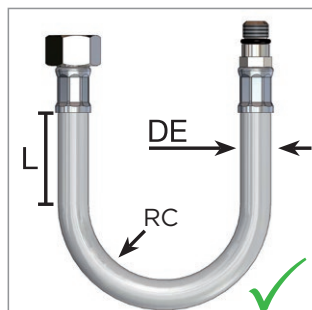


$RC \geq 4 DE$   $L \geq 4 DE$

Always check that ferrules are pressed correctly and there are no braiding threads coming out. In case of doubts do not install the flexible hose.

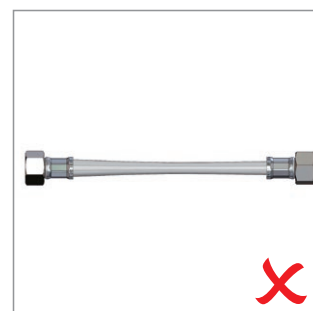


The hoses must maintain a straight section at the connections equal to 4 times the external diameter of the hose (DN6 = Ø 10 mm → straight section 40 mm). The bending radius must not be less than 4 times the external diameter of the hose (DN6 = Ø 10 mm → bending radius 40 mm).

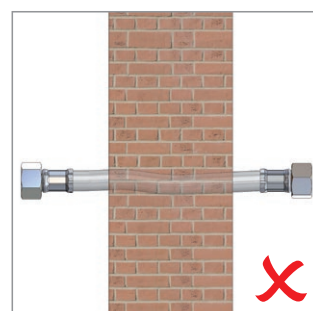
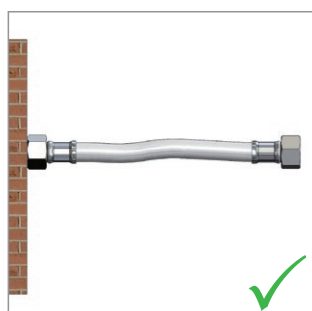


$RC \geq 4 DE$   $L \geq 4 DE$

Do not install flexible hoses under twisting or tension conditions.



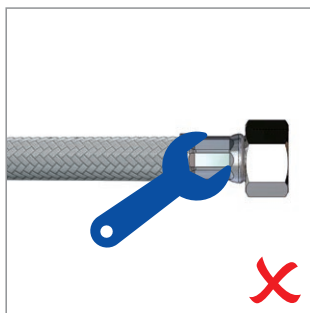
It must be possible to inspect the hoses. Do not install inside walls or in tunnels that cannot be inspected. Do not cover with insulating material (except for hoses with stainless steel braid and stainless steel ferrules).



Use only tools suitable for the type of product. The tools must only be used in the presence of a hexagonal nut. Any other configuration (cylindrical fitting, knurled ring nut, ...) must be closed by hand (closing force not exceeding 3 Nm).



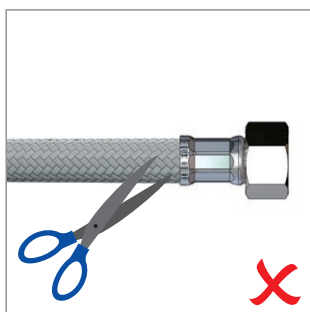
Do not use any tools on the ferrules. A force applied to this ferrule often causes it to become damaged with consequent breakage of the hose.



Never assemble two or more hoses in series. If necessary, choose a longer length.



Avoid striking the hose with sharp or pointed objects to avoid damaging the external braid.



## MAINTENANCE INSTRUCTIONS

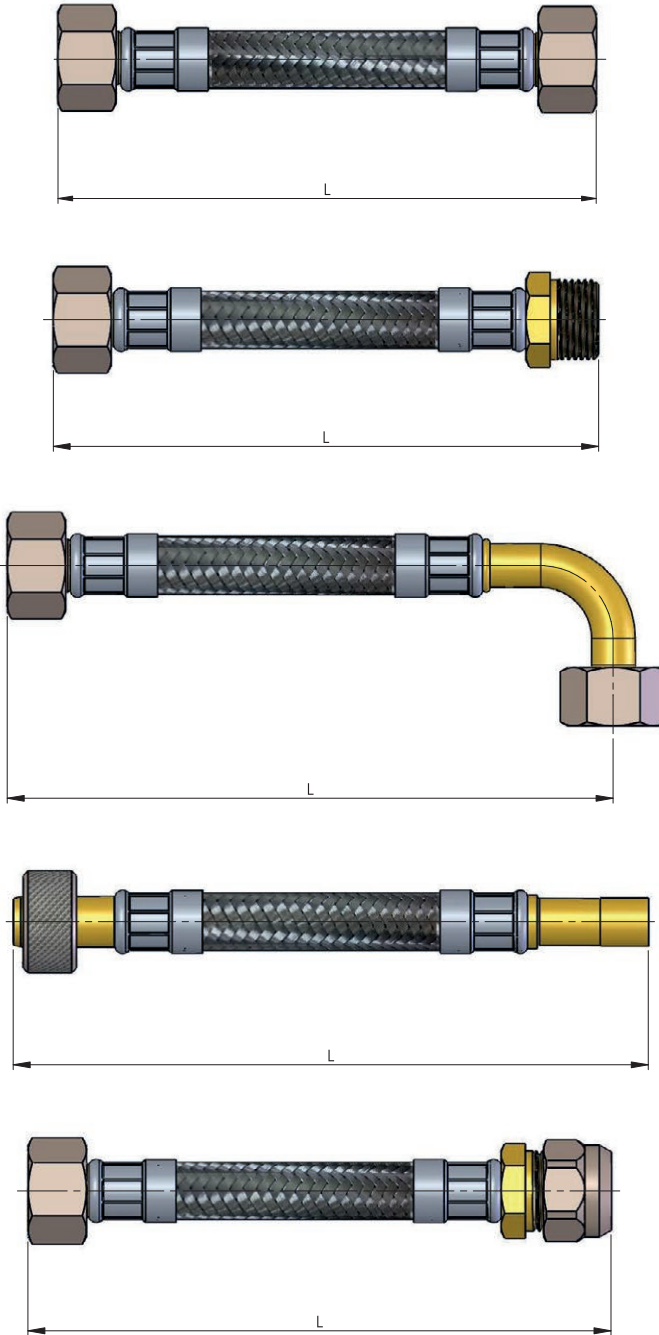
- Periodically monitor the state of the hoses. In case of oxidation or evident state of wear, replace.
- Avoid direct or indirect exposure to corrosive substances, including substances used for cleaning (bleach and similar substances).
- For cleaning only use damp (not wet) cloths without the aid of cleaning substances.
- Avoid striking the hose with sharp or pointed objects

to avoid breaking the external braid (including boxes and containers made of metal, wood or other materials).

- In the case of systems in periodically uninhabited places (for example holiday homes or in places with particularly harsh climatic conditions) always check closure of the system and, in any case, avoid leaving the system pressurised.

## LENGTH INSTRUCTIONS

All hose assemblies shall be manufactured in lengths  $L$  measured as shown in Figure from a minimum of 90 mm to a maximum of 2000 mm, in compliance with standard EN 13618.



The actual length compared with the length  $L$  declared by the supplier shall be within the following permissible tolerances, in compliance with standard EN 13618:

- $L \leq 400$  mm:                      +10 mm  
   0
- $400 \text{ mm} < L \leq 1000$  mm:       +20 mm  
   0
- $1000 \text{ mm} < L \leq 2000$  mm:     +30 mm  
   0