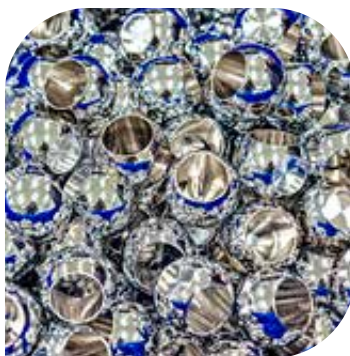
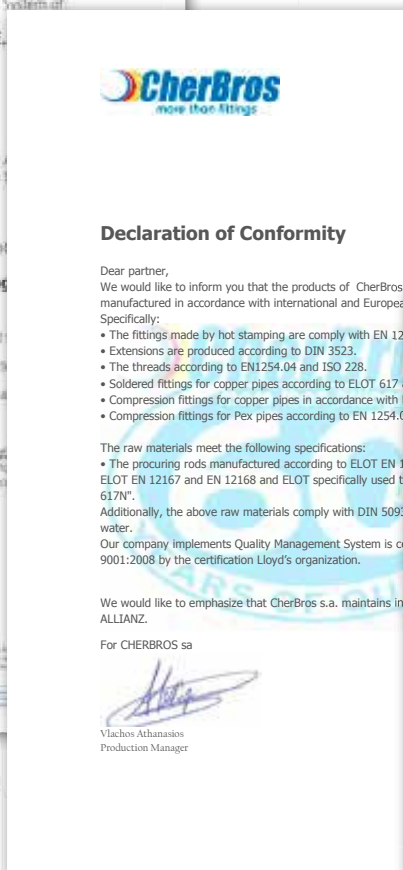






*With a history from 1952,
CherBros S.A.
has a leading presence
as Brass Fittings Manufacturer*





Conformity with specification for drinking water DIN 50930-6

Alloy chemical analysis CuZn40Pb2 (CW617N)

Fe	Ni	Al	Cu	Pb	Sn	Others	-
max 0.3	max 0.3	max 0.05	57 - 59	1.6 - 2.5	max 0.3	total 0.2	Zn-remainder

Alloy chemical analysis CuZn39Pb3 (CW614N)

Fe	Ni	Al	Cu	Pb	Sn	Others	-
max 0.3	max 0.3	max 0.05	57 - 59	2.5-3.5	max 0.3	total 0.2	Zn-remainder

[illegible]

Dr.-Ing. T. Bäumer GmbH
Prüflabor - Ingenieurbüro - Prüfstände

Messung - Dauerprüfung
Entwicklung - Berechnung
Auslegung - Projektierung

CHERBROS S.A.
Brass Fittings Manufacturer
224 Orfeos Str.
GR - 122 41, Egaleo, Attiki

Fluiddynamic measurement
Manifold 1"
Balance valve III

Lift	KV
[%]	[m ³ /h]
100	4,49
90	3,71
80	2,37
70	1,62
60	1,01
50	0,60
40	0,19
30	0,04
20	0,0
10	0,0

Full Lift: 4,6 turns
Lift: Stroke of spindle
KV: KV-Value according to
DIN EN 60534-2-3

Herford, 28 May 2015

T. Bläumer
Dr.-Ing. Thomas Bläumer

Dr.-Ing.
Prüflabor - Ing.

CHERBROS S.A.
Brass Fittings Manufacturer
224 Orfeos Str.

GR - 122 41, Egaleo, Attiki

Fluiddynamic
Manifold 1"
Flow meter III

V [l/min]	V-Ref. [l/min]	KV-Value [m³/h]
0,0	0,00	0,0
0,5	0,44	0,0
1,0	0,95	0,0
1,5	1,45	0,0
2,0	2,07	0,0
3,0	3,37	0,0
4,0	4,43	0,0
5,0	5,18	0,0

V	V-Ref.
[l/min]	[l/min]
0,0	0,00
0,5	0,44
1,0	0,95
1,5	1,45
2,0	2,07
3,0	3,37
4,0	4,43
5,0	5,18

V: Flow meter
V-Ref.: Reference
Accuracy min. 2%
T: Temperature
p: Pressure up
Δp: Pressure diff.

Dr.-Ing. T. Bäumer GmbH

Prüflabor - Ingenieurbüro - Prüfstände

Messung - Dauerprüfung

Entwicklung - Berechnung

Auslegung - Projektierung

CHERBROS S.A.
Brass Fittings Manufacturer
224 Orleves Str.

GR - 122 41, Egaleo, Attiki

Fluiddynamic measurement

Manifold 1"

Flow meter III

V	V-Ref.	T	p ₁	Δp
[l/min]	[l/min]	[°C]	[barg]	[bar]
0.0	0.00	18	1.5	0.00
0.5	0.44	18	1.4	0.03
1.0	0.95	19	1.6	0.06
1.5	1.45	19	1.8	0.09
2.0	2.07	19	1.7	0.12
3.0	3.37	19	1.8	0.20
4.0	4.43	19	1.9	0.27
5.0	5.18	19	2.1	0.31

V: Flow meter Cherbros
V-Ref.: Reference flow meter
Accuracy min. 2% of measurement value
T: Temperature
p₁: Pressure upstream of manifold
Δp: Pressure difference

The graph shows a linear relationship between flow rate and pressure difference. The x-axis represents flow rate in l/min, ranging from 0 to 6. The y-axis represents pressure difference in bar, ranging from 0 to 0.35. Data points are plotted at (0, 0), (0.5, 0.03), (1.0, 0.06), (1.5, 0.09), (2.0, 0.12), (3.0, 0.20), (4.0, 0.27), and (5.0, 0.31). A straight line is drawn through these points.

Herford, 28 May 2015

Thomas Bäumer

Dr.-Ing. Thomas Bäumer

CherBros more than fittings



INSPECTION REPORT for Nominal Pressure for the ball valves DIVA, bigger than EN13828.

EBETAM **IRTEC** ΑΝΕΣΤΗΤΗ ΕΤΑΙΡΕΙΑ ΒΙΟΜΗΧΑΝΙΚΗΣ ΕΡΕΥΝΑΣ ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΠΤΥΞΗΣ
Α ΒΙΟΤΕΧΝΟΛΟΓΙΚΩΝ ΔΟΚΙΜΩΝ, ΠΕΡΙΣΤΕΡΩΣΗΣ ΚΑΙ ΠΟΛΥΤΕΧΝΩΝ
MATERIALS INDUSTRIAL RESEARCH & TECHNOLOGY CENTER S.A.

ΕΚΘΕΣΗ ΕΠΙΘΕΩΡΗΣΗΣ / INSPECTION REPORT

ΚΩΔ. ΕΡΓΟΥ : 010274 Α/Α : 7941-R-18
Project Cod. No

1. ΠΕΛΑΤΗΣ - ΚΥΡΙΟΣ ΤΟΥ ΕΡΓΟΥ / CUSTOMER - OWNER

Επωνυμία Name	ΑΦΟΙ Κ. ΧΕΡΟΥΒΕΙΜ ΑΒΕΕ
Διεύθυνση Address	ΟΡΦΕΟΣ 224 & Α. ΚΗΦΙΣΟΥ, Τ.Κ. 12241 ΑΙΓΑΛΕΟ, ΑΤΤΙΚΗ

2. ΣΤΟΙΧΕΙΑ ΤΟΥ ΕΡΓΟΥ / PROJECT INFORMATION

Έργο Project	ΥΔΡΑΥΛΙΚΗ ΔΟΚΙΜΗ ΣΦΑΙΡΙΚΩΝ ΔΙΑΚΟΠΤΩΝ
Ανάδοχος του Έργου Contractor	---
Κατασκευαστής του Έργου Manufacturer	ΑΦΟΙ Κ. ΧΕΡΟΥΒΕΙΜ
Μελετητής του Έργου Project Engineer	---
Αριθμός Έργου Project No.	---
Αριθμός Έργου Αναδόχου Contractor's Order No.	---
Αριθμός Παραγγέλους Κατασκευαστή Order No. of Manufacturer	---

3. ΣΤΟΙΧΕΙΑ ΕΠΙΘΕΩΡΗΣΗΣ / INSPECTION ELEMENTS

Ημερομηνία Επιθεώρησης Date of Inspection	11-14 ΙΟΥΝΙΟΥ 2018
Υλικό για Επιθεώρηση Material for Inspection	ΣΦΑΙΡΙΚΟΙ ΔΙΑΚΟΠΤΕΣ • CHER 3/4" • CHER 1" • CHER 1 1/2"
Σκοπός Επιθεώρησης Subject of Inspection	ΥΔΡΑΥΛΙΚΗ ΔΟΚΙΜΗ ΛΕΙΤΟΥΡΓΙΚΩΣ
Έλεγχος κατά την Επιθεώρηση Inspection Activities	ΕΛΕΓΧΟΣ ΑΝΤΟΧΗΣ
Απαιτήσεις / Προδιαγραφές Specifications / Requirements	ΑΠΑΙΤΗΣΕΙΣ ΠΕ
Εξοπλισμός που Χρησιμοποιήθηκε Equipment Used	ΑΝΤΛΙΑ ΠΙΕΣΗΣ ΜΑΝΟΜΕΤΡΟ Ψ
Τοποθεσία Επιθεώρησης Place of Inspection	ΕΓΚΑΤΑΣΤΑΣΕΙΣ Α' ΒΙ.ΠΕ. ΒΟΛΟΥ

1/2

www.ebetam.gr

Εταιρεία: Α' Βιομηχανική Περιοχή, Τ.Κ. 15123, Βόλος - Ημερομηνία: 11-14 Ιουνίου 2018 - Α/Α: 7941-R-18 - Τηλ: +30 210 510 510
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Γραφείο: Βόλος - Πύλη: Πύλη 15, Τ.Κ. 261 00, Βόλος - Τηλ: +30 210 510 510 - Α/Α: 7941-R-18 - Τηλ: +30 210 510 510
Παράρτημα: Μόναχο - Πύλη: Πύλη 15, Τ.Κ. 80 335, Μόναχο - Τηλ: +30 210 510 510 - Α/Α: 7941-R-18 - Τηλ: +30 210 510 510
Παράρτημα: Βόλος - Πύλη: Πύλη 15, Τ.Κ. 261 00, Βόλος - Τηλ: +30 210 510 510 - Α/Α: 7941-R-18 - Τηλ: +30 210 510 510
Εταιρεία: Α' Βιομηχανική Περιοχή, Τ.Κ. 15123, Βόλος - Ημερομηνία: 11-14 Ιουνίου 2018 - Α/Α: 7941-R-18 - Τηλ: +30 210 510 510

IRTEC
EBETAM

ΚΩΔ. ΕΡΓΟΥ : 010274
Project Cod. No

A/A : 7941-R-18

4. ΑΝΤΙΚΕΙΜΕΝΟ ΕΠΙΘΕΩΡΗΣΗΣ / ITEMS INSPECTED

ΣΦΑΙΡΙΚΟΙ ΔΙΑΚΟΠΤΕΣ

- 1/2" PN 80 bar
- 3/4" PN 45 bar
- 1" PN 45 bar
- 1 1/2" PN 30 bar

5. ΕΠΙΣΥΝΑΠΤΟΜΕΝΑ / ATTACHMENTS

6. ΠΑΡΑΤΗΡΗΣΕΙΣ - ΣΥΜΠΕΡΑΣΜΑΤΑ / REMARKS - CONCLUSIONS

Πραγματοποιήθηκε υδραυλική δοκιμή σε πίεση 1,5 φορά μεγαλύτερη της πίεσης λειτουργίας για χρονικό διάστημα 24 ωρών. Οι βάνες βρέθηκαν σε κλειστή θέση κατά τη διάρκεια της δοκιμής. Δεν παρατηρήθηκαν διαρροές ή παραμορφώσεις.

Στη συνέχεια πραγματοποιήθηκε λειτουργικός έλεγχος ανοίγματος-κλεισίματος των βανών σε πίεση δικτύου για 10 φορές. Μετά την δοκιμή δεν παρατηρήθηκε διαρροή από τις βάνες ενώ αυτές βρέθηκαν σε κλειστή θέση.

A/A	ΤΥΠΟΣ ΒΑΝΑΣ	ΠΙΕΣΗ ΔΟΚΙΜΗΣ (BAR)	ΑΠΟΤΕΛΕΣΜΑΤΑ	ΛΕΙΤΟΥΡΓΙΚΟΣ ΕΛΕΓΧΟΣ	ΑΠΟΤΕΛΕΣΜΑΤΑ
1	1/2" PN80	120	ΙΚΑΝΟΠΟΙΗΤΙΚΑ	Ανοίγμα-κλείσιμο	ΙΚΑΝΟΠΟΙΗΤΙΚΑ
2	3/4" PN45	67.5	ΙΚΑΝΟΠΟΙΗΤΙΚΑ	Ανοίγμα-κλείσιμο	ΙΚΑΝΟΠΟΙΗΤΙΚΑ
3	1" PN45	67.5	ΙΚΑΝΟΠΟΙΗΤΙΚΑ	Ανοίγμα-κλείσιμο	ΙΚΑΝΟΠΟΙΗΤΙΚΑ
4	1 1/2" PN30	45	ΙΚΑΝΟΠΟΙΗΤΙΚΑ	Ανοίγμα-κλείσιμο	ΙΚΑΝΟΠΟΙΗΤΙΚΑ

7. ΟΡΟΙ ΧΟΡΗΓΗΣΗΣ ΤΗΣ ΕΚΘΕΣΗΣ / TERMS OF ISSUE

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 2. Η παρούσα έκθεση δεν επιτρέπεται να αναπαραχθεί ή μη μόνον στο σύνολό της και κατόπιν έγκρισής της EBETAM Α.Ε.
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Ο Ελεγκτής /
The Inspector

Ν. Τριανταφύλλου

Ημερομηνία: 29.06.2018
Date



Για το τμήμα Βιομηχανικών Ελέγχων /
For the Industrial Inspection Dept.

Κ. Διονύσιος

Μηχανολόγος Μηχανικός

Old Fashioned Brass bibcocks are suitable for potable water



1530 Bibock with union			
Code	Size	Pack	€
1530040002	1/2"	1/30	



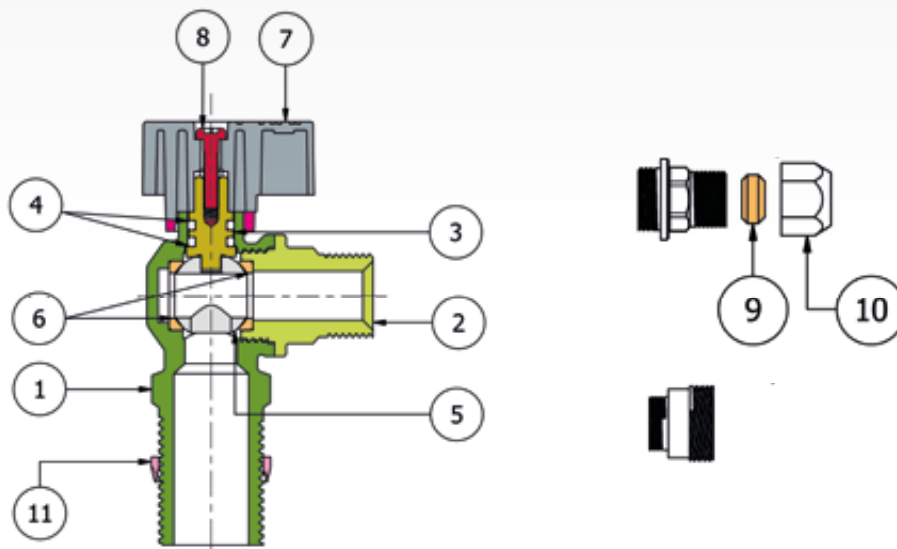
1540 Bibock with union +key			
Code	Size	Pack	€
1540040002	1/2"	1/30	

CherPlus

Angle Ball Valves



Angle Ball valves CherPlus are suitable for potable water. Stem sealed with 2 o' rings certified for food according to FDA. Handle made of ZAMA15, proofed against oxidizing process. The ball has TEA coverage, against lime process. Their ball also has diamondized treatment



Technical Specifications

1	BODY	CW617N UNI EN 12165
2	END CONNECTION	CW617N UNI EN 12165
3	STEM	CW614N UNI EN 12164
4	O-RING	NBR 70 FDA
5	BALL	CW617N UNI EN 12165
6	BALL SEAT	P.T.F.E
7	HANDLE	ZAMA 15
8	SCREW	TP DIN 7985
9	END CONNECTION (3/8")	P.T.F.E
10	END CONNECTION NUT(3/8")	CW614N UNI EN 12164
11	THREAD COVER PROTECTION	PE

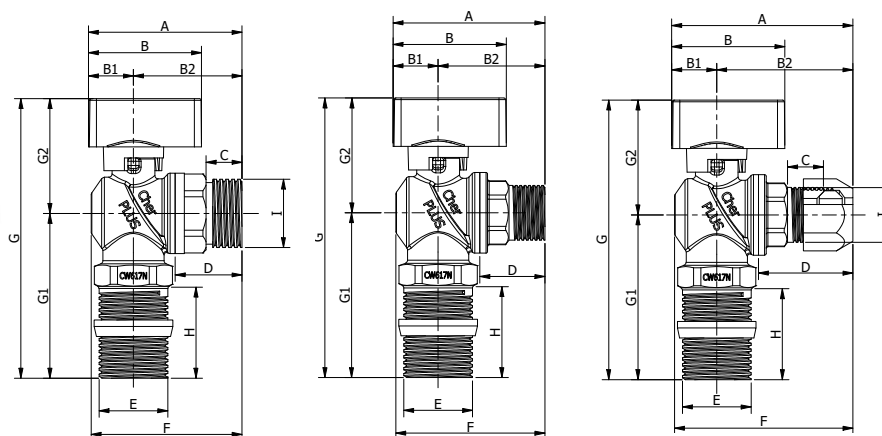
PN	DN	TEMPERATURE RATE
16	9	-20°C +110°C

ANTI LIME



0210 Angle Ball Valve /Long thread with rosette INOX

Code	Size	Pack	€
0210040409	1/2" x 1/2" chr. plated	1/40	
0210040609	1/2" x 3/4" chr. plated	1/40	
0210040309	1/2" x 3/8" chr. plated (Φ10)	1/40	
0210040305	1/2" x 3/8" chr. plated (Φ10)without unit	1/40	



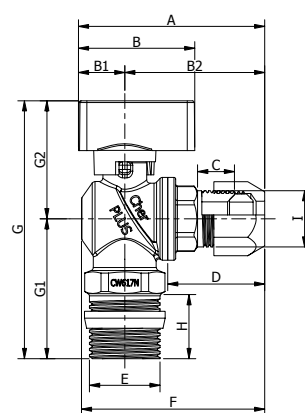
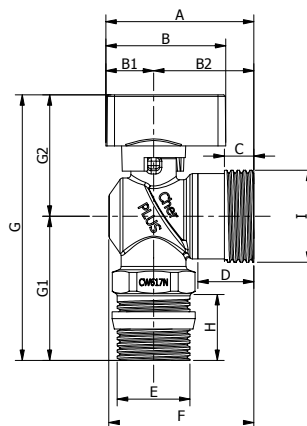
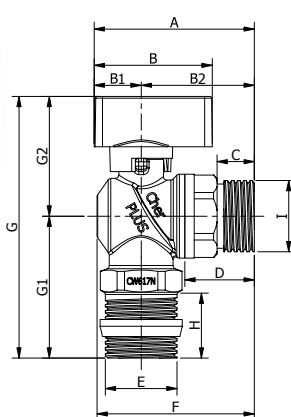
Dimension	1/2"	3/4"	3/8"
A	46,70	42,50	55,10
B	34,50	34,50	34,50
B1	13,80	13,80	13,80
B2	32,90	28,70	40,00
C	10,90	8,50	10,90
D	20,30	16,10	28,70
E	G 1/2"	G 1/2"	G 1/2"
F	45,50	41,30	53,00
G	86,30	86,30	86,30
G1	51,10	51,10	51,10
G2	35,20	35,20	35,20
H	27,70	27,70	27,70
I	G 1/2"	G 3/4"	G 3/8"

ANTI LIME



0210 Angle Ball Valve / Short thread with rosette INOX

Code	Size	Pack	€
0210040408	1/2" x 1/2" chr. plated	1/40	
0210040608	1/2" x 3/4" chr. plated	1/40	
0210040308	1/2" x 3/8" chr. plated (Φ10)	1/40	
0210040306	1/2" x 3/8" chr. plated (Φ10) without unit	1/40	



Dimensions	1/2"	3/4"	3/8"
A	46,70	42,50	55,10
B	34,50	34,50	34,50
B1	13,80	13,80	13,80
B2	32,90	28,70	40,00
C	10,90	8,50	10,90
D	20,30	16,10	28,70
E	G 1/2"	G 1/2"	G 1/2"
F	45,50	41,30	53,00
G	77,60	77,60	77,60
G1	42,40	42,40	42,40
G2	35,20	35,20	35,20
H	19,00	19,00	19,00
I	G 1/2"	G 3/4"	G 3/8"

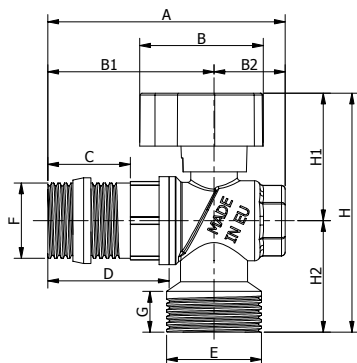
ANTI LIME



0210

Angle Ball Valve (for washing machine) with rosette INOX

Code	Size	Pack	€
0210060400	1/2" X 3/4" chr. plated	1/40	

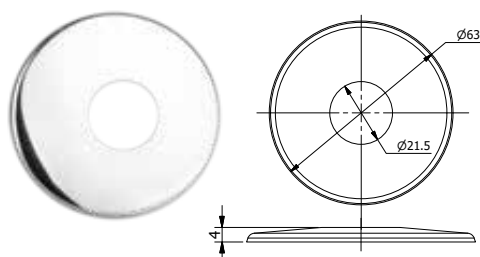


Dimensions	1/2" x 3/4"
A	66,20
B	34,50
B1	47,60
B2	18,60
C	23,00
D	33,80
E	G 3/4"
F	G 1/2" - 14
G	11,70
H	66,60
H1	35,30
H2	31,30



Nut with o'ring for Angle Valves

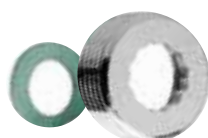
Code	Size	Pack	€
110000301	3/8"	20	



2340

Rosette INOX

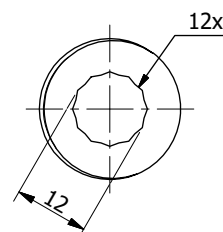
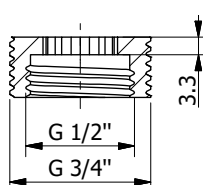
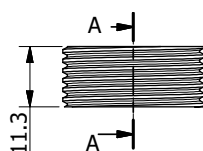
Code	Size	Pack	€
2340040002	1/2"	100	



0215

Adapter Allen with fibre o'ring

Code	Size	Pack	€
0215060409	3/4" - 1/2"	10/400	



1/2"x1/2" **CherPlus** Cher

1/2"x3/8" **CherPlus** Cho

1/2"x3/4" **CherPlus**

1/2"x3/4" **CherPlus**
ΠΛΥΝΤΗΡΙΟΥ



CherNorm

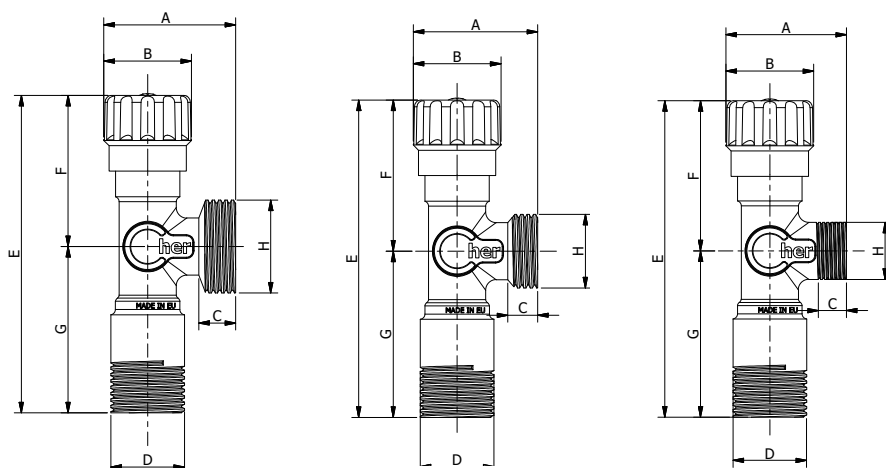
Angle Rotating Valves



The **rotating angle valves CherNorm** are suitable with plastic/ ABS handle and with metallic handle.



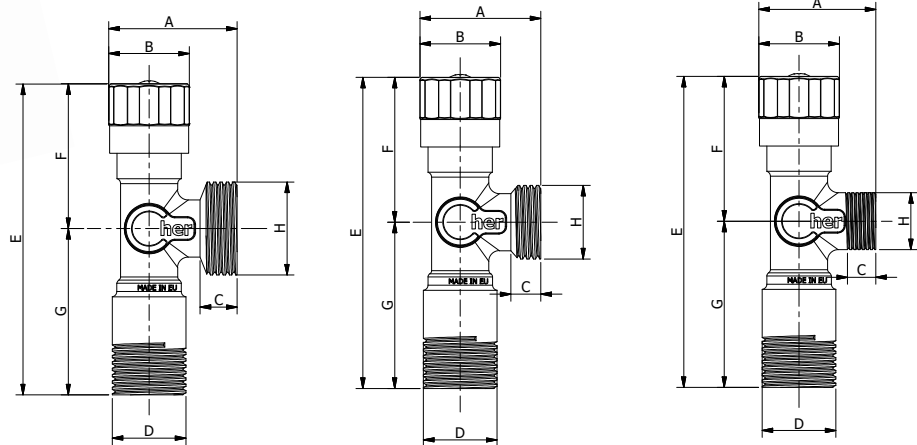
0260 Angle Rotating Valve / ABS handle			
Code	Size	Pack	€
0260040400	1/2" x 1/2" chr. plated	1/40	
0260040600	1/2" x 3/4" chr. plated	1/40	
0260030400	1/2" x 3/8" (Φ10) chr. plated	1/40	
0260030402	1/2" x 3/8" (Φ10) chr.plated without unit	1/40	



Dimensions	1/2"-1/2"	1/2"-3/4"	1/2"-3/8"
A	35.80	40.50	36.30
B	25.20	25.20	25.20
C	9.00	12.00	9.50
D	1/2"	1/2"	1/2"
E	90.70	90.70	90.70
F	42.70	42.70	42.70
G	48.00	48.00	48.00
H	1/2"	3/4"	3/8"



0260 Angle Rotating Valve / Metal handle			
Code	Size	Pack	€
0260040401	1/2" x 1/2" chr. plated	1/40	
0260040601	1/2" x 3/4" chr. plated	1/40	
0260030401	1/2" x 3/8" (Ø10) chr. plated	1/40	
0260030403	1/2" x 3/8" (Ø10) chr.plated without unit	1/40	



Dimensions	1/2"-1/2"	1/2"-3/4"	1/2"-3/8"
A	35.20	39.90	35.70
B	23.95	23.95	23.95
C	9.00	12.00	9.50
D	1/2"	1/2"	1/2"
E	89.70	89.70	89.70
F	41.70	41.70	41.70
G	48.00	48.00	48.00
H	1.2"	3/4"	3/8"



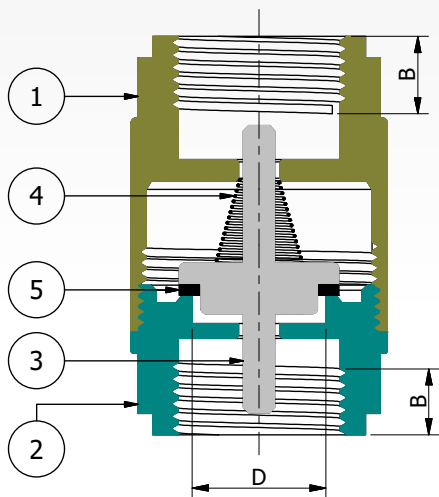
Nut with o' ring for angle valves			
Code	Size	Pack	€
	3/8"		

CherPlus

***Pressure Reducing
& Check Valves***

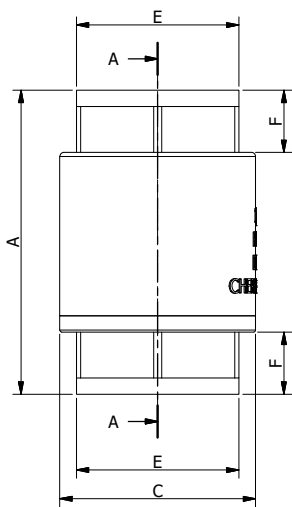


The **Check Valve CHERPLUS 100** has brass facet and Stainless-Steel spring

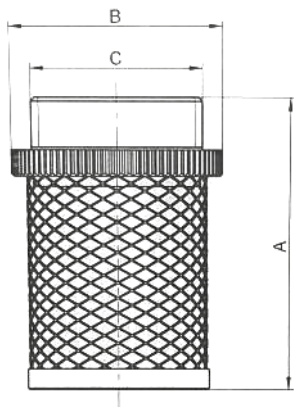


Technical Specifications			
1	BODY	UNI EN 12165 CW617N	
2	BODY END	UNI EN 12165 CW617N	
3	AXLE	BRASS UNI EN 12164 CW614N	
4	SPRING	STAINLESS STEEL AISI 302	
5	GASKET	NBR	

Dimensions	Pressure	Operation on Temperature amplitude
1/2" - 1"	25bar	-20°C ~ +100°C
1 1/4" - 2"	18bar	-20°C ~ +100°C



Dim.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	55.80	65.00	74.50	83.00	93.00	101.00
B	11.00	13.00	16.00	18.00	21.00	21.00
C	34.50	41.50	48.00	60.50	71.00	87.00
D	15.00	20.00	25.00	32.00	40.00	50.00
E	26.80	32.20	39.80	49.80	55.80	68.80
F	10.70	12.80	15.20	18.00	18.00	20.00



Dim.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	47	57	69	75	83	98
B	28	35	42	50	55	68
C	G 1/2"	G 3/4"	G 1"	G 1 1/4"	G 1 1/2"	2"



0410 Check Valve with brass disk			
Code	Size	Pack	€
0410100004	1/2"	1/40	
0410100006	3/4"	1/24	
0410100008	1"	1/15	
0410100010	1 1/4"	1/8	
0410100012	1 1/2"	1/4	
0410100016	2"	1/2	

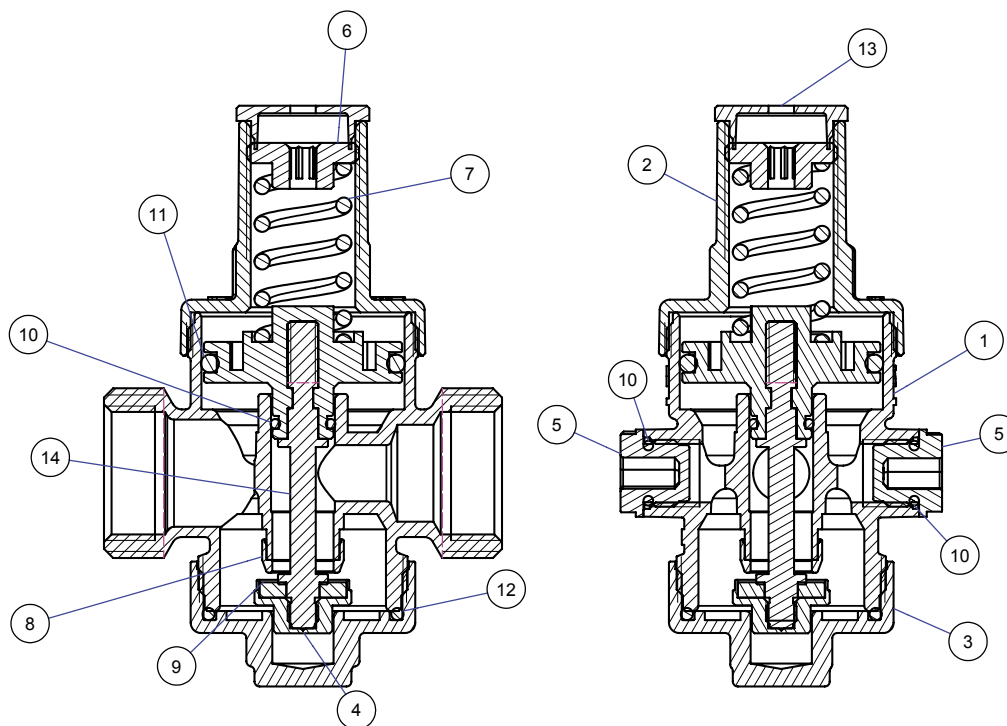


0410 Filter for check valves / Nylon thread			
Code	Size	Pack	€
0410200004	1/2"	250	
0410200006	3/4"	120	
0410200008	1"	80	
0410200010	1 1/4"	50	
0410200012	1 1/2"	30	
0410200016	2"	20	

CherPlus

Pressure Reducing





Technical Specifications

1	BODY	CW617N UNI EN 12165
2	BONNET	CW617N UNI EN 12165
3	BOTTOM CUP	CW617N UNI EN 12165
4	DISC UNIT HOLDER	CW617N UNI EN 12165
5	PLUG	NILAMID WITH GLASS FIBER
6	SETTING NUT	CW614N UNI EN 12164
7	SPRING	STEEL
8	SEAT	STAINLESS STEEL
9	SEAT WASHER	EPDM PEROX
10	ORING	EPDM PEROX
11	ORING	EPDM PEROX
12	ORING	EPDM PEROX
13	CUP	PP
14	PISTON	POLYAMODE WITH GLASS

Value set inlet Pressure 3 bar

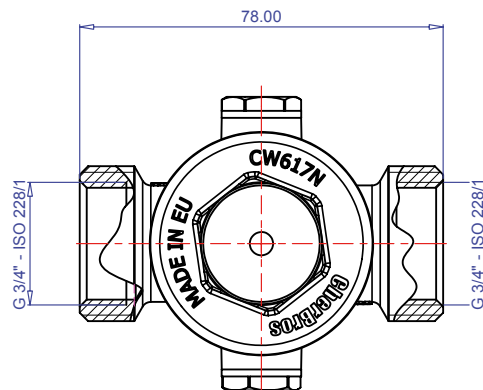
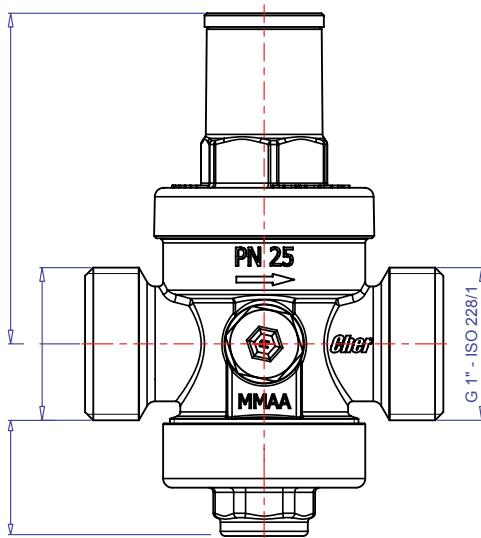
Setting range 1-5 bar

Maximum working pressure 25 bar

Tolerance set when varying the inlet pressure $\pm 10\%$



3410 Pressure Reducing Valve			
Code	Size	Pack	€
34100100604	3/4" F. - 1" M	1/10	





3410 Pressure Reducing Valve / F-union			
Code	Size	Pack	€
34100000204	1/2"	1/10	
34100000206	3/4"	1/10	
34100000208	1"	1/10	



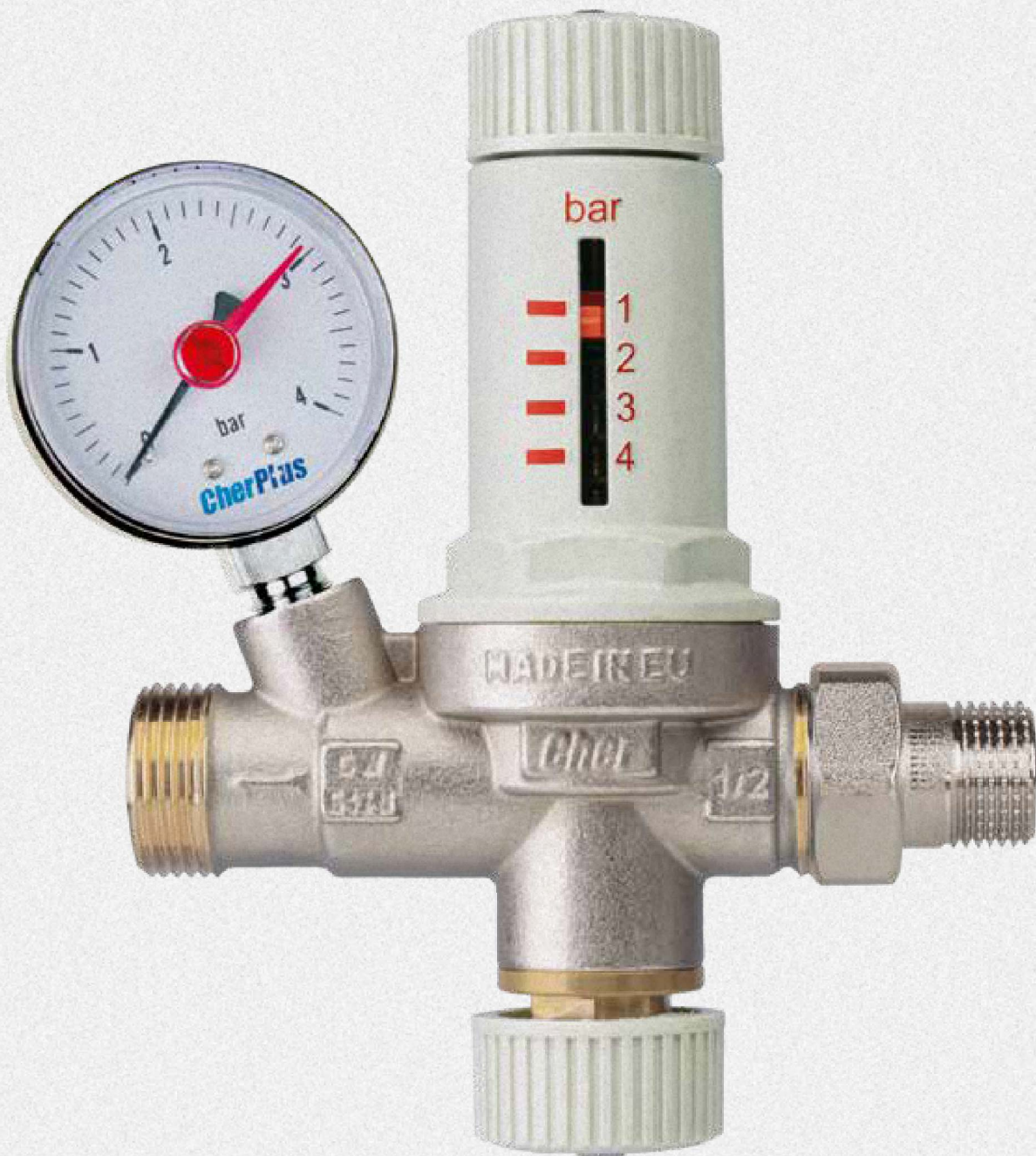
3410 Pressure Reducing Valve / M-union			
Code	Size	Pack	€
34100000104	1/2"	1/10	
34100000106	3/4"	1/10	

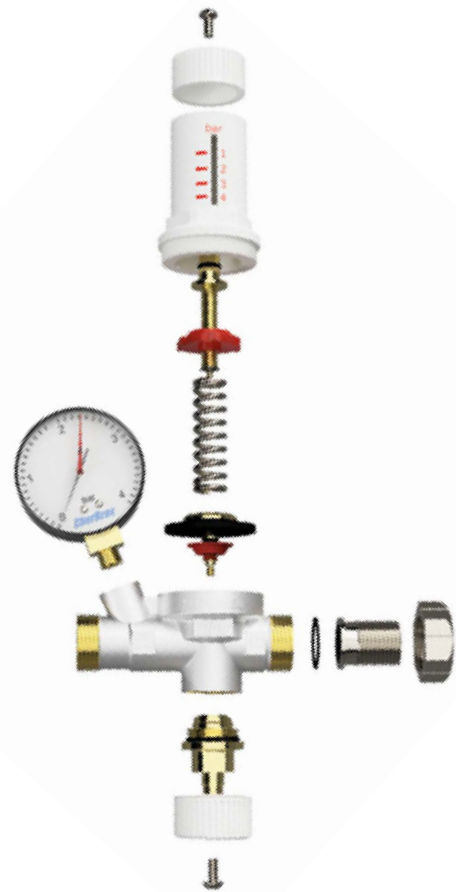
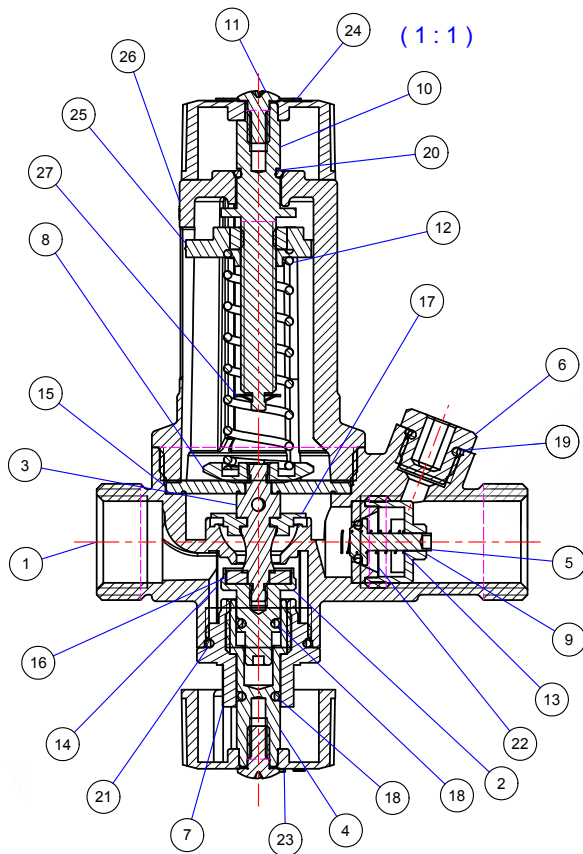


3410 Union sets for Pressure Reducing Valve			
Code	Size	Pack	€
3410010409	1/2" F.	75	
3410020409	1/2" M	75	
3410010609	3/4" F	40	
3410020609	3/4" M	40	
3410010809	1" F	50	

CherPlus

Automatic Filling Valve





Technical Specifications

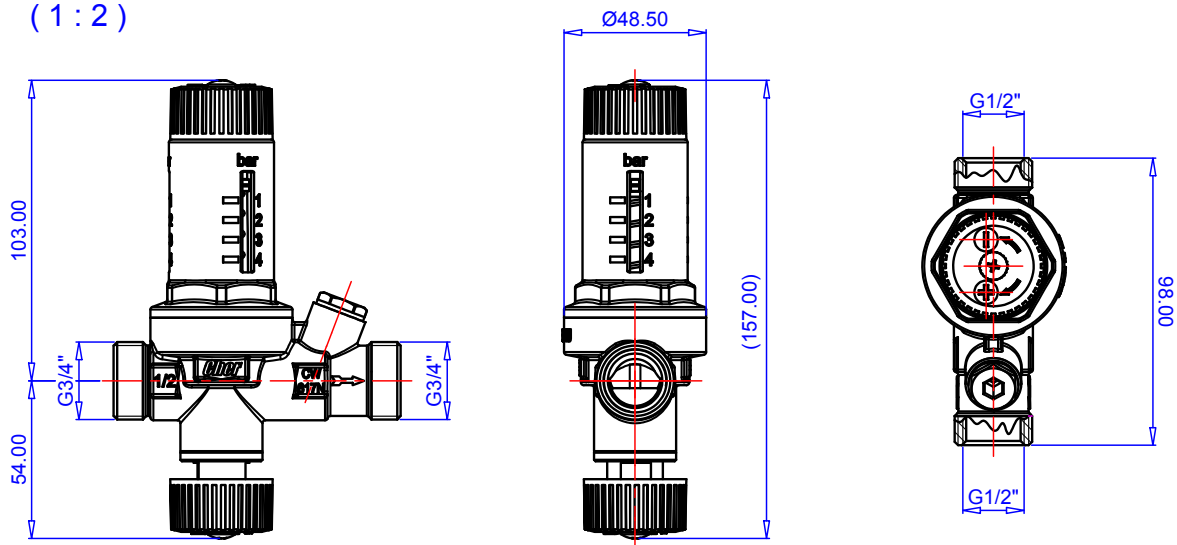
1	BODY	CW 617N UNI EN 12165
2	DISC UNIT HOLDER	CW 614N UNI EN 12164
3	STEM	CW 614N UNI EN 12164
4	STEM	CW 614N UNI EN 12164
5	CHECK VALVE STEM	R14
6	PLUG	NILAMID GF 10%
7	BOTTOM CUP	CW 614N UNI EN 12164
8	SPRING GUIDE	CW 614N UNI EN 12164
9	CHECK VALVE BODY	R14
10	SETTING SCREW	CW 614N UNI EN 12164
11	SCREW	BRASS NICKEL PLATED
12	SPRING	ZINC PLATED STEEL
13	SPRING	STAINLESS STEEL
14	FILTER	STAINLESS STEEL
15	DIAPHRAGM	EPDM
16	SEAT WASHER	NBR
17	SEAT	SILICONE
18	O-RING	NBR
19	O-RING	EPDM
20	O-RING	EPDM
21	O-RING	EPDM
22	CHECK VALVE SEAT	P.T.F.E.
23	SHUT OFF KNOB	PA 66
24	SETTING KNOB	PA 66
25	SETTING NUT	POM
26	BONNET	PA 6 GF 30%
27	SEEGER KS	STEEL



3417AdK Automatic Filling Valve with adjustment knob

Code	Size	Pack	€
34170409100	1/2"	1/15	

(1 : 2)



NEW
AUTOMATIC
FILLING
VALVE



Technical Features

Max Pressure upstream	10 bar
Pressure Downstream	1-4,5 bar
Factory set pressure	1,5 bar
Max working temperature	110°C
Thread Ext.: M 3/4" – Int.: F 1/2"	ISO:228
PS Tolerance set when varying the inlet pressure	±5%



Automatic Filling Unit with Adjustment Knob

- Max pressure in 14 bar
- Scale for pressure adjustment out 0,5-3 bar
- Factory pessure setting 1,5 bar
- Max temperature 70 C
- Raw Materials CW617N, CW614N



0430 Straight Fitting M/F for Radiator with O-Ring

Code	Size	Pack	€
0430110407	1/2" Plus	10/100	
0430110607	3/4" Plus	10/60	
0430110807	1" Plus	5/40	
0430111000	1 1/4"	5/25	
0430111200	1 1/2"	5/20	
0430111600	2"	5/10	



0430 Elbow Fitting M/F for Radiator with O-Ring

Code	Size	Pack	€
0430210400	1/2" Plus	10/80	
0430210600	3/4"	10/50	
0430210800	1"	5/25	



0480 Valve for Tubes Protection

Code	Size	Pack	€
0480040000	1/2"	5/20	
0480060000	3/4"	5/20	
0480080000	1"	5/20	
0480100000	1 1/4"	5/15	



0480 Inside Spare Parts

Code	Size	Pack	€
0480000060	3/16 Φ 22 x L 60	10/100	


0420 Plug for Panel Radiators

Code	Size	Pack	€
0420004049	1/2" Chrome o-ring	10/500	


0420 Fittings for Panel Radiators

Code	Size	Pack	€
0420043900	1/2" Chrome	10/500	
0420043000	1/2" o-ring rotating	10/400	
0420013000	1/8" long	50/1000	
0420002079	Key nickel plated	50/2000	


2330 Safety Valves for Boilers

Code	Size	Pack	€
2330030000	old type	10/100	
2330040000	solar Female	10/200	
2330050000	solar Male	10/200	


3010 Tester

Code	Size	Pack	€
30100000000	M 24 X 19	10/100	

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Manifolds





0490	Bracket for Brass Bar Manifold (pair)		
Code	Size	Pack	€
0490060810	3/4" - 1" - 1 1/4"	25	



1220	Reduced Nipple 24 X 19 o-ring		
Code	Size	Pack	€
1220040070	1/2" - 24X19	10/200	
1220040077	1/2" - 24X19 chr. plated	10/200	



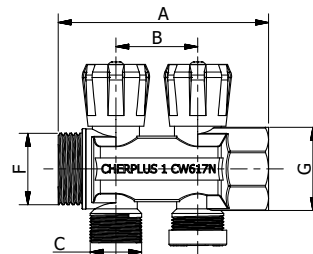
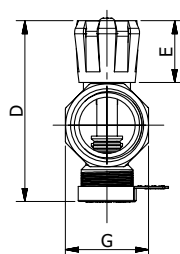
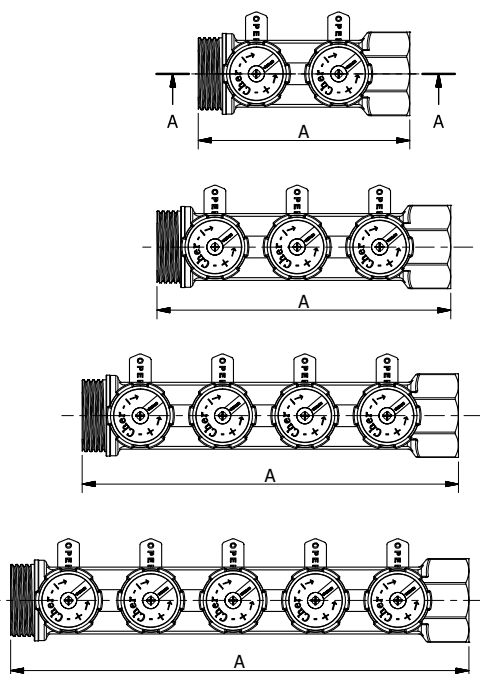
1220	Reduced Nipple 1/2"x3/4 eurocono o- ring		
Code	Size	Pack	€
1220040670	1/2" X 3/4"	10/200	
1220040677	1/2" X 3/4" chr. plated	10/200	



0470	Manifold Connection		
Code	Size	Pack	€
0470060000	3/4"	10/300	
0470080000	1"	10/150	
0470100000	1 1/4"	10/120	

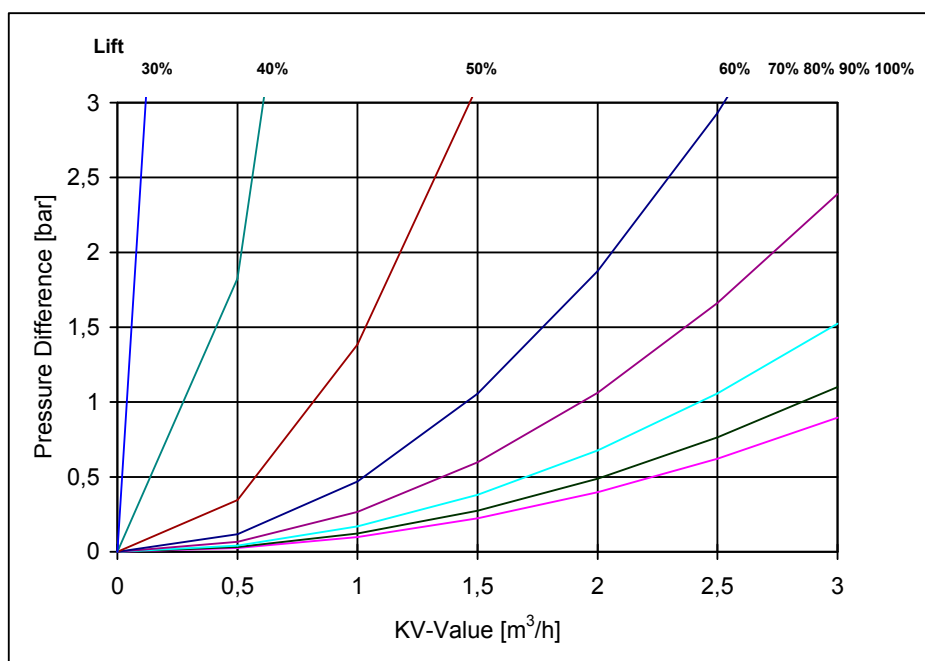


3860		Straight Manifold with Balancing Valves "EVO"	
Code	Size	Pack	€
38600000802	1" X 2 Valves	1/24	
38600000803	1" X 3 Valves	1/24	
38600000804	1" X 4 Valves	1/16	
38600000805	1" X 5 Valves	1/16	

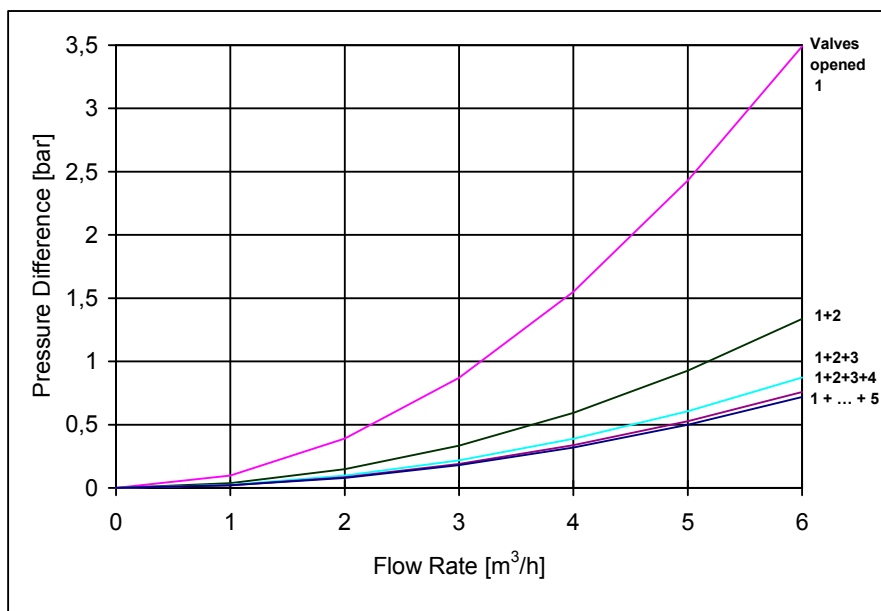


Dimensions	2 BALANCING VALVES	3 BALANCING VALVES	4 BALANCING VALVES	5 BALANCING VALVES
A	97.00	135.00	173.00	211.00
B	38.00	38.00	38.00	38.00
C	M24x19	M24x19	M24x19	M24x19
D	85.00	85.00	85.00	85.00
E	28.60	28.60	28.60	28.60
F	G 1"	G 1"	G 1"	G 1"
G	38.60	38.60	38.60	38.60

Fluiddynamic calculation
Straight Manifold 1" - 5 balancing valves
Balance valve III

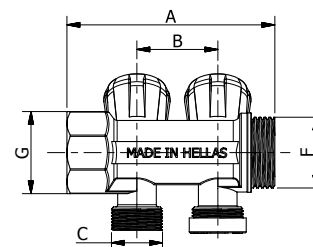
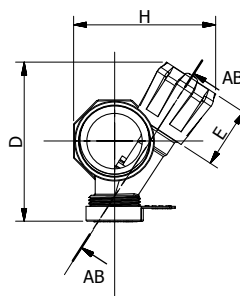
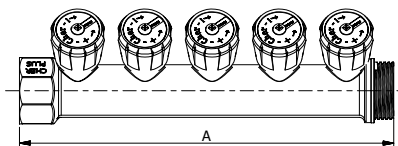
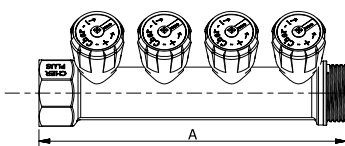
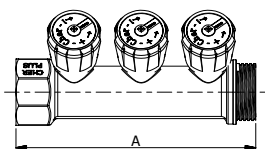
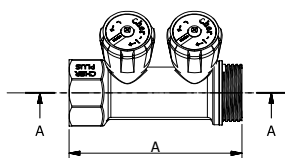


Fluiddynamic calculation
Straight Manifold 1" - 5 balancing valves



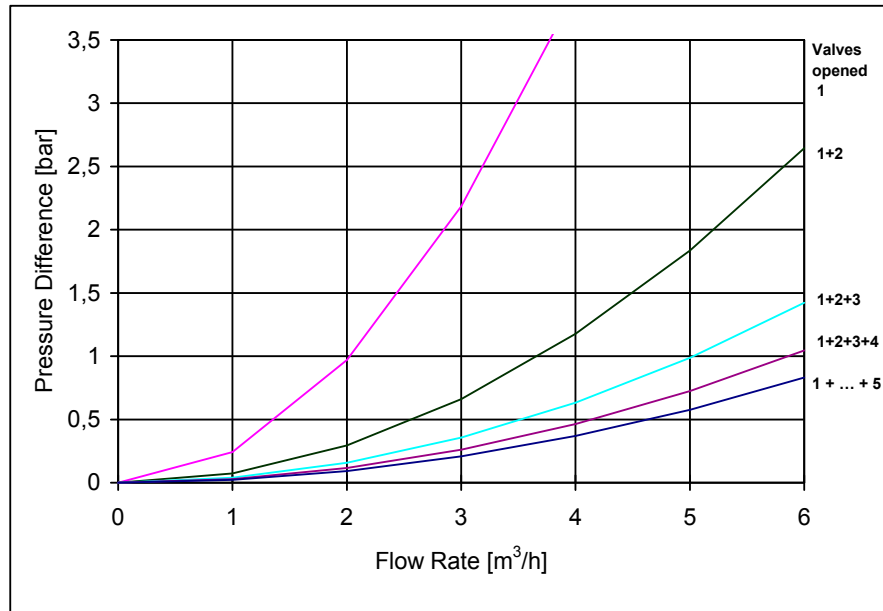


3850 Angle Manifold with Balancing Valves "EVO"			
Code	Size	Pack	€
38500000802	1" X 2 Valves	1/27	
38500000803	1" X 3 Valves	1/27	
38500000804	1" X 4 Valves	1/18	
38500000805	1" X 5 Valves	1/18	

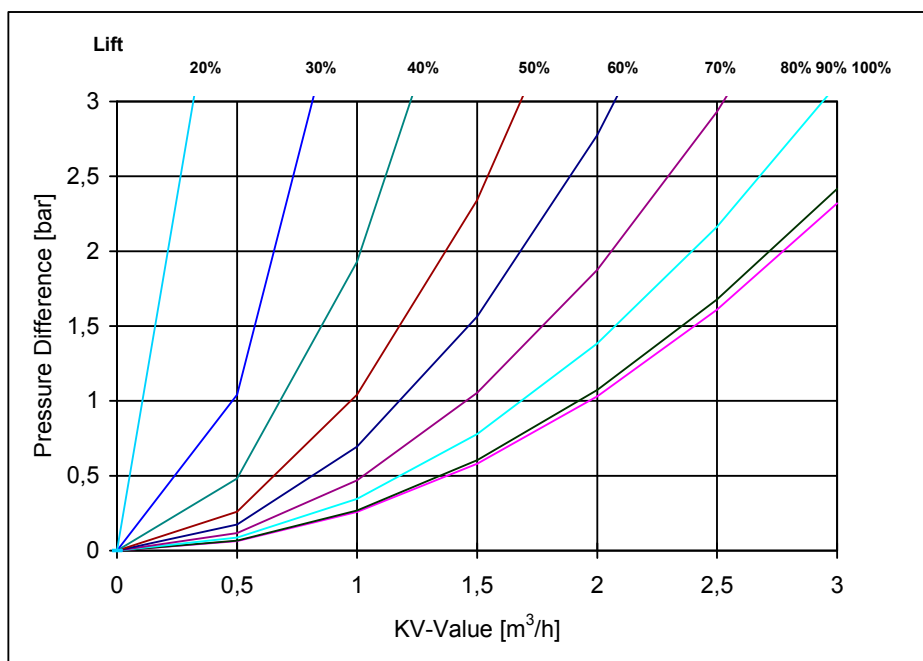


Dimensions	2 BALANCING VALVES	3 BALANCING VALVES	4 BALANCING VALVES	5 BALANCING VALVES
A	97.00	135.00	173.00	211.00
B	38.00	38.00	38.00	38.00
C	M24x19	M24x19	M24x19	M24x19
D	76.00	76.00	76.00	76.00
E	28.60	28.60	28.60	28.60
F	G 1"	G 1"	G 1"	G 1"
G	38.60	38.60	38.60	38.60
H	71.50	71.50	71.50	71.50

Fluiddynamic calculation
Angle Manifold 1" - 5 balancing valves

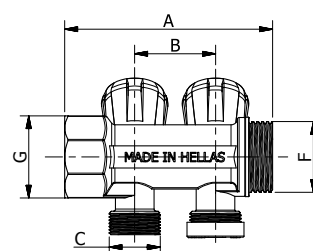
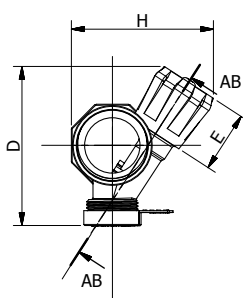
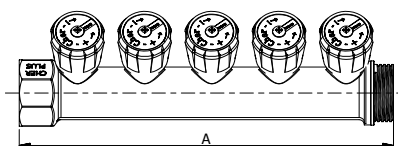
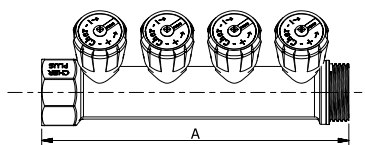
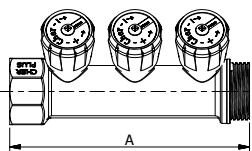
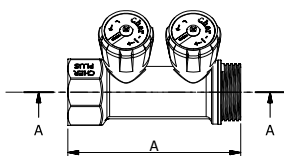


Fluiddynamic calculation
Angle Manifold 1" - 5 balancing valves
Balance valve III

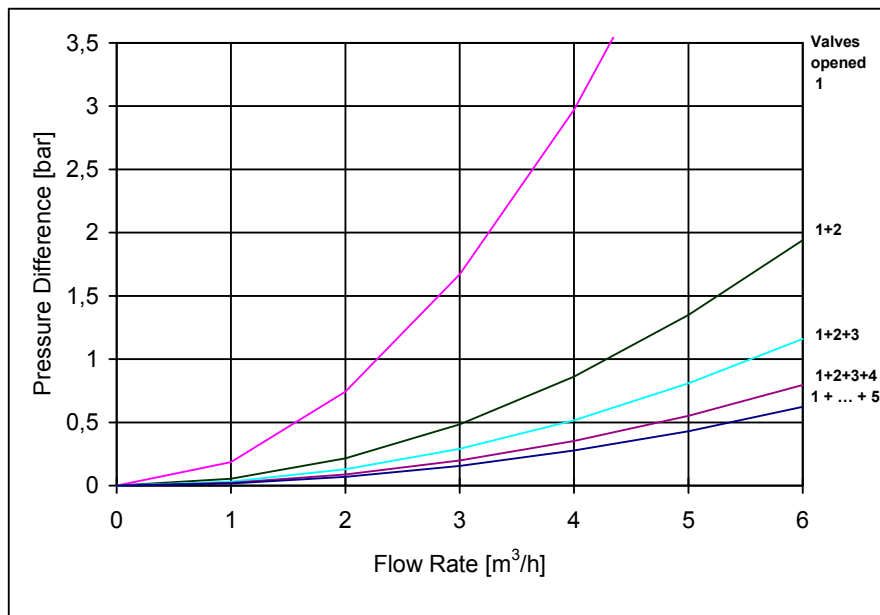




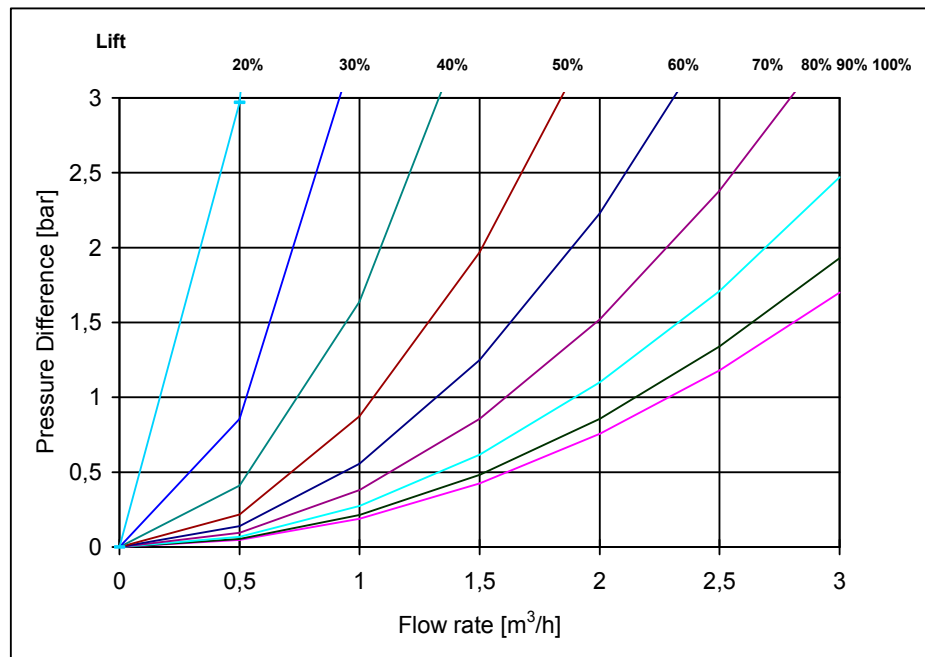
3850		Angle Manifold with Balancing Valves "EVO" 3/4"		
Code	Size	Pack	€	
38500000602	3/4" X 2 Valves	1/30		
38500000603	3/4" X 3 Valves	1/30		
38500000604	3/4" X 4 Valves	1/21		
38500000605	3/4" X 5 Valves	1/21		



Fluiddynamic calculation
Angle Manifold 3/4" - 4 balancing valves



Fluiddynamic calculation
Angle Manifold 3/4" - 4 balancing valves
Balance valve III





1322	Male Cup for Manifold		
Code	Size	Pack	€
1322060700	3/4" o-ring	10/250	
1320060701	3/4" o-ring chr. plated	10/250	
1322080700	1" o-ring	10/150	
1322080709	1" o-ring chr. plated	10/150	
1322100700	1 1/4" o-ring	10/100	
1322100709	1 1/4" o-ring chr. plated	10/100	

1322	Female Cup for Manifold		
Code	Size	Pack	€
1310024191	24x19	10/150	
1312080709	1"	10/150	



0460	Tee Male for Manifold		
Code	Size	Pack	€
0460040804	1/2" x 1" x 1/2"	5/70	
0460040807	1/2" X 1" X 1/2" o-ring	5/70	
0460040879	1/2" X 1" X 1/2" o-ring chr. plated	5/70	



3000	Tool for Manifolds EVO		
Code	Size	Pack	€
30000000002	27/30	40	

CherPlus

Nuts for Compress Fittings





3005	Chrome Plated Nut M 24X19 for Copper pipes		
Code	Size	Pack	€
30005001501	15 x 1	1/100	
30005001601	16 x 1	1/100	
30005001801	18 x 1	1/100	



3002	Chrome Plated Nut M 24X19 for PEX pipes		
Code	Size	Pack	€
30021504250	15 x 2.5	1/70	
30021604200	16 x 2.0	1/70	
30021804200	18 x 2.0	1/70	
30021804250	18 x 2.5	1/70	
30022004200	20 x 2.0	1/60	



3006	Chrome Plated Nut M 24x19 for AL-PEX pipes		
Code	Size	Pack	€
30006001602	16.0 x 2.0	1/70	
30006001622	16.2 x 2.6	1/70	
30006001820	18.0 x 2.0	1/70	
30006002020	20.0 x 2.0	1/60	



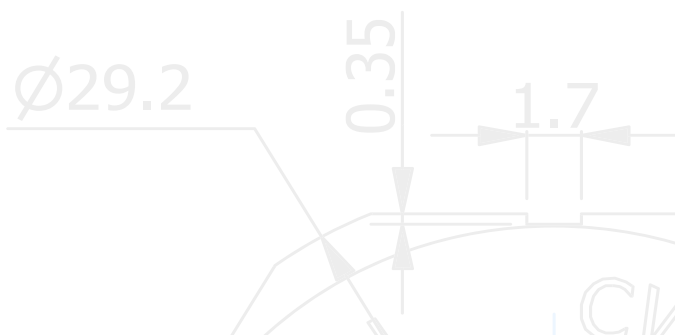
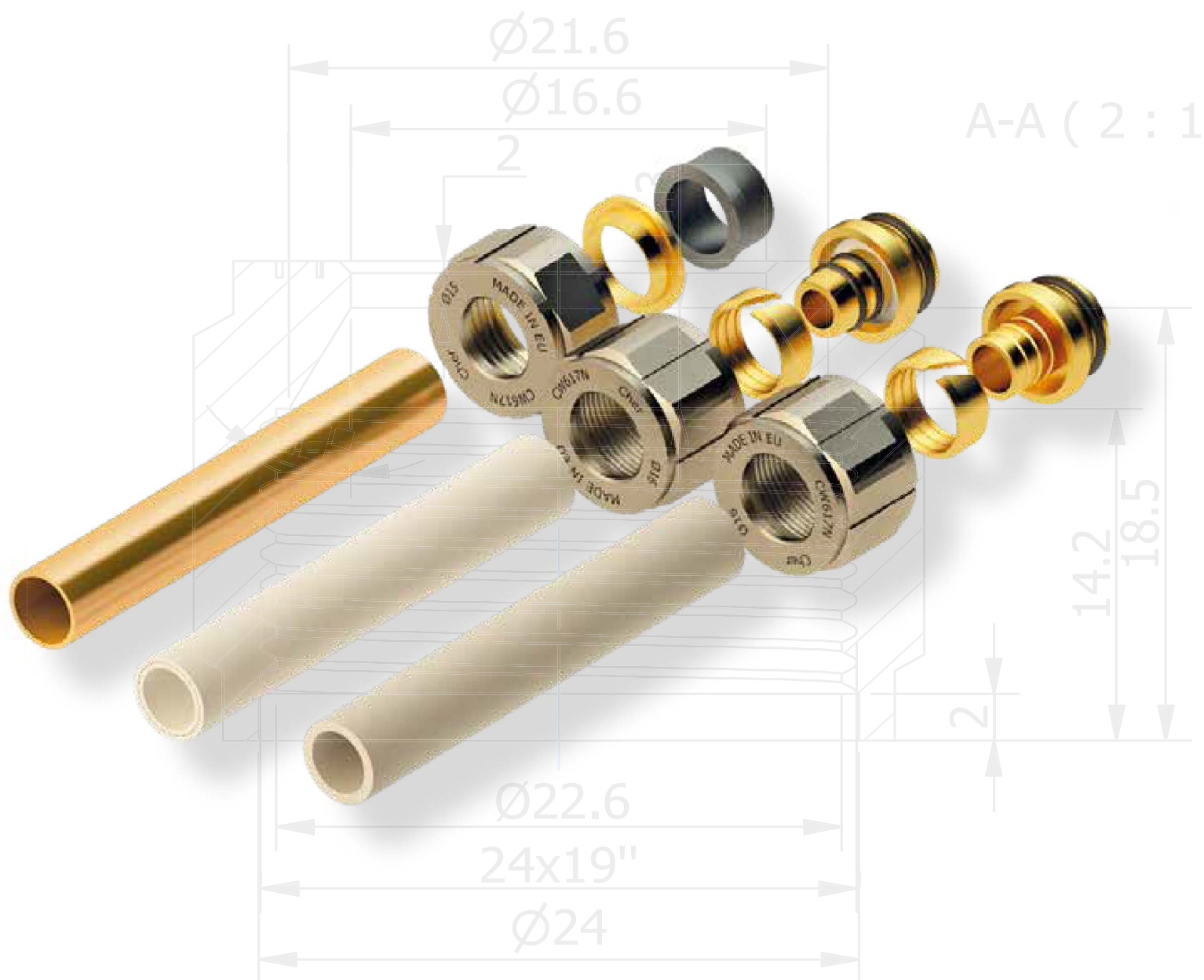
3005 Chrome Plated Nut 3/4" for Copper pipes			
Code	Size	Pack	€
30005061501	15 x 1	1/80	
30005061601	16 x 1	1/80	
30005061801	18 x 1	1/80	



3002 Chrome Plated Nut 3/4" for PEX pipes			
Code	Size	Pack	€
30021506250	15 x 2.5	1/60	
30021606200	16 x 2.0	1/60	
30021706200	17 x 2.0	1/60	
30021806200	18 x 2.0	1/60	
30021806250	18 x 2.5	1/60	
30022006200	20 x 2.0	1/50	

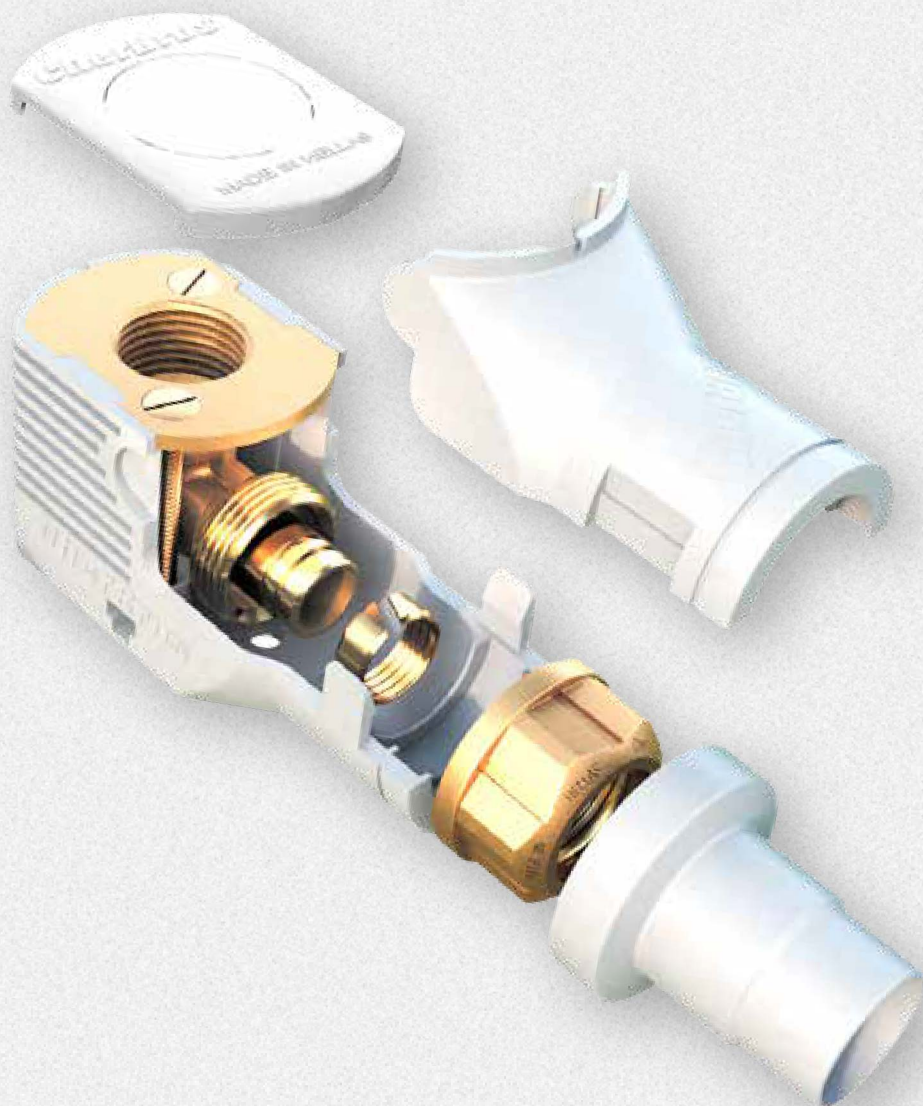


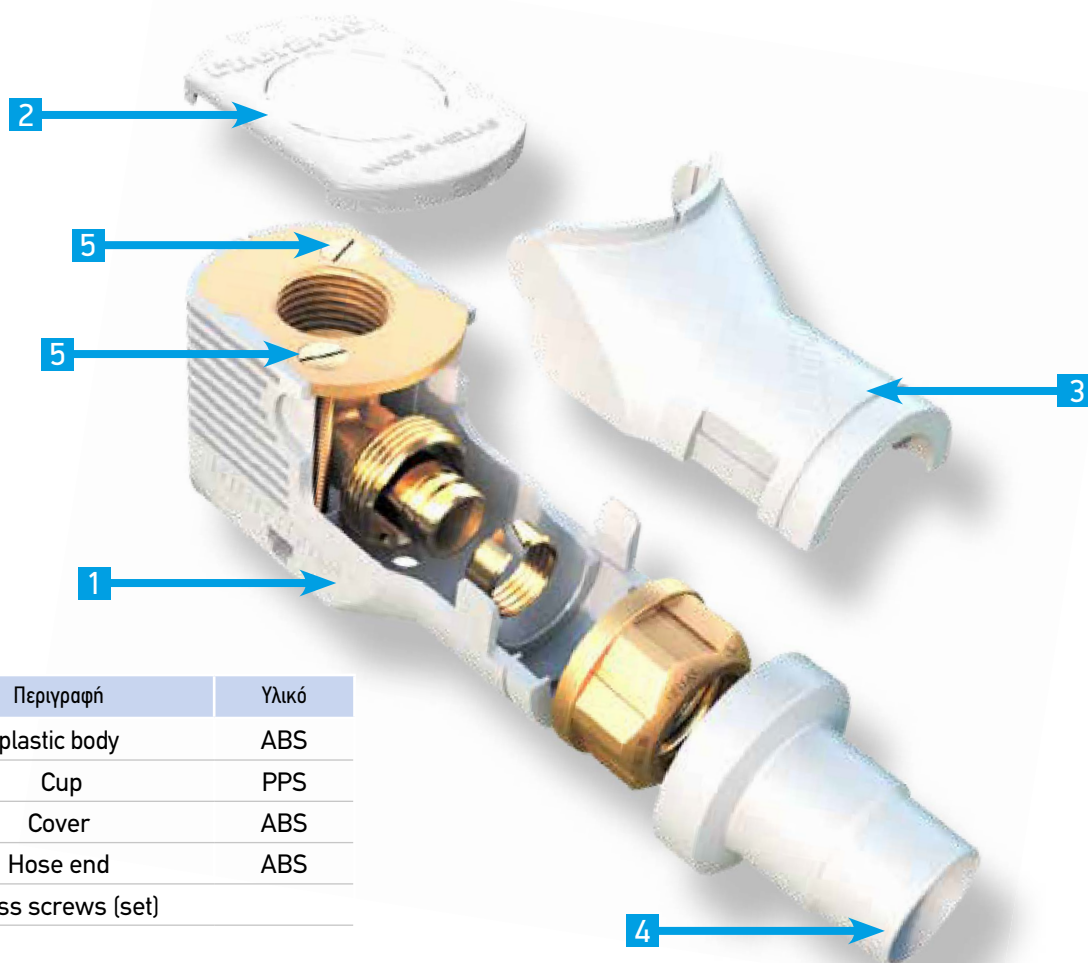
3006 Chrome Plated Nut 3/4" for AL-PEX pipes			
Code	Size	Pack	€
3006061620	16 x 2.0	1/60	
3006061820	18 x 2.0	1/60	
3006062020	20 x 2.0	1/50	



CherFix

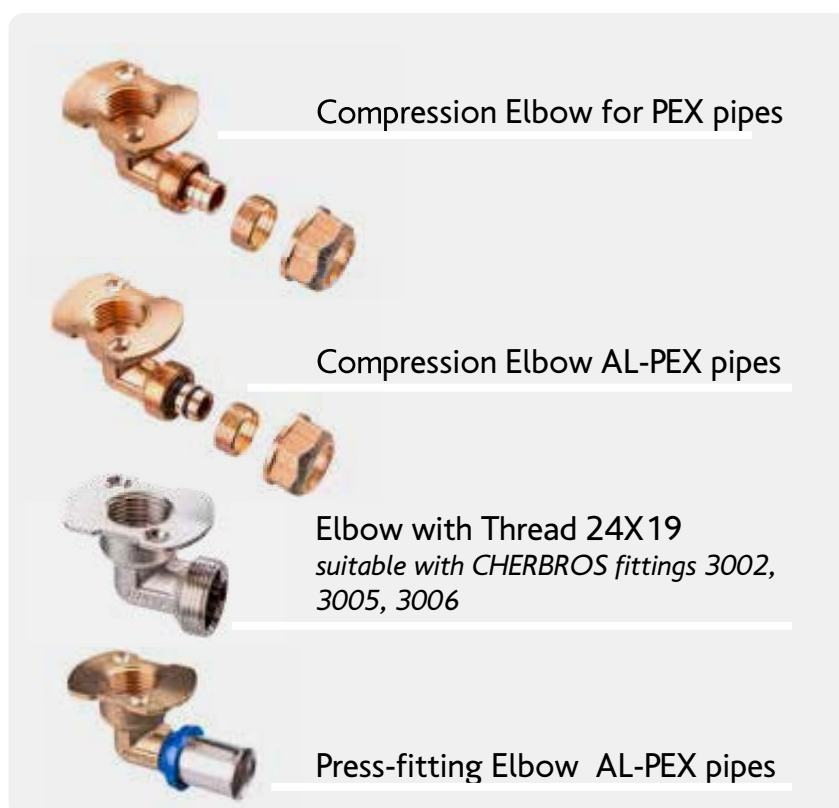
***Built-in distribution box
with elbow***





No	Περιγραφή	Υλικό
1	plastic body	ABS
2	Cup	PPS
3	Cover	ABS
4	Hose end	ABS
5	Brass screws (set)	

The brass elbow is available as:



Instructions for the connection with metallic bracket



Απόσταση 38mm



Απόσταση 50mm

Instructions for the connection with plastic base bracket



Απόσταση 38mm



Απόσταση 50mm



Απόσταση 150mm



0860	Compression Elbow for PEX pipes with distribution plastic box		
Code	Size	Pack	€
0861150425	15 x 2,5	1/50	
0861160421	16 x 2,0	1/50	
0861180420	18 x 2,0	1/50	
0861180425	18 x 2,5	1/50	



0860	Compression Elbow AL-PEX pipes with distribution plastic box		
Code	Size	Pack	€
0860160422	16 x 2,0	1/50	
0861180422	18 x 2,0	1/50	



0860	Elbow with Thread 24X19 with distribution plastic box		
Code	Size	Pack	€
0861241901	24 x 19	1/50	



0860	Press-fitting Elbow AL-PEX pipes with distribution plastic box		
Code	Size	Pack	€
0861160432	16 x 2	1/50	



0860	Compression Elbow for PEX pipes		
Code	Size	Pack	€
0860150425	15 x 2,5	1	
0860160421	16 x 2,0	1	
0860180420	18 x 2,0	1	
0860180425	18 x 2,5	1	

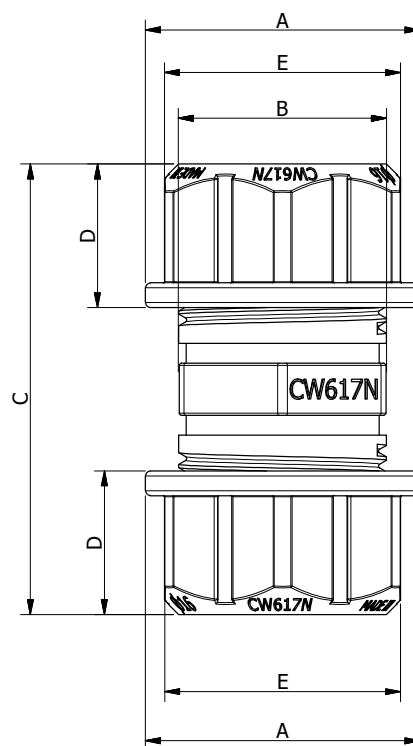
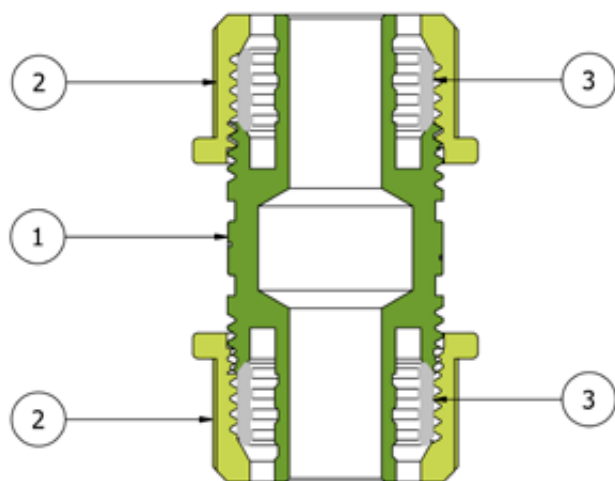
0860	Compression Elbow AL-PEX pipes		
Code	Size	Pack	€
0860160422	16 x 2,0	1	
0861180422	18 x 2,0	1	

0860	Elbow with Thread 24X19		
Code	Size	Pack	€
0860241901	24 x 19	1	

0860	Press-fitting Elbow AL-PEX pipes		
Code	Size	Pack	€
0860160432	16 x 2,0	1	

0860	Distribution plastic box (Includes plastic base and set of screws and taps)		
Code	Size	Pack	€
08600000	-	1	

0861	Metallic Bracket		
Code	Size	Pack	€
0861505038	-	1	



Technical Specifications

1	BODY	CW617N UNI EN 12165
2	NUT FOR A PLASTIC TUBE	CW617N UNI EN 12165
3	PLASTIC PIPE RING	CW614N UNI EN 12164

Dimensions	15 x 2,5 16 x 2,0 16 x 2,2	18 x 2,0 18 x 2,5	20 x 2,0	22 x 3,0	28 x 3,0	32 x 3,0
A	27,70	31,00	33,50	36,50	44,80	49,80
E	24,00	27,00	30,00	32,00	40,00	44,00
B	20,80	24,80	26,80	28,80	35,80	39,80
C	45,50	45,80	50,00	49,80	62,00	62,00
D	14,70	15,50	16,20	16,20	19,40	22,00

CherPlus

Compression Fittings for PEX Pipes



Assembling Instruction for PEX fittings

- Cut the pipe vertical.
Calliper the pipe and remove any borings.



- Fit firstly the nut, fit secondly the ring.



- Fit the pipe in the body of the article.
Tighten the nut by hand and then using the tool.



- **NOTICE:** it is very important to use the appropriate tools in any step of the process to achieve the best result of sealing.



ΑΝΩΝΥΜΗ ΕΤΑΙΡΕΙΑ ΒΙΟΦΑΡΜΑΚΩΝ ΕΡΕΥΝΑΣ, ΤΕΧΝΟΛΟΓΙΚΗΣ ΑΝΑΛΥΣΗΣ
& ΕΡΓΑΣΤΗΡΙΑΚΩΝ ΔΟΚΙΜΩΝ, ΠΙΣΤΟΠΟΙΗΣΗΣ ΚΑΙ ΠΟΙΟΤΗΤΑΣ
MATERIALS INDUSTRIAL RESEARCH & TECHNOLOGY CENTER S.A.

ΕΚΘΕΣΗ ΔΟΚΙΜΩΝ / TEST REPORT

ΚΩΔ. ΕΡΓΟΥ : 005770
Project Cod. No

A/A : 6884-R-14

1. ΠΕΛΑΤΗΣ - ΚΥΡΙΟΣ ΤΟΥ ΕΡΓΟΥ / CUSTOMER - OWNER

Επωνυμία Name	ΑΦΟΙ Κ.ΧΕΡΟΥΒΕΙΜ ΑΒΕΕ CHERBROSS SA
Διεύθυνση Address	ΟΡΦΕΩΣ 224 12241 ΑΙΓΑΛΕΩ ΑΤΤΙΚΗ

2. ΣΤΟΙΧΕΙΑ ΤΟΥ ΕΡΓΟΥ / PROJECT INFORMATION

Έργο Project	ΠΙΣΤΟΠΟΙΗΣΗ ΕΞΑΡΤΗΜΑΤΩΝ ΜΗΧΑΝΙΚΗΣ ΣΥΣΦΙΓΞΗΣ ΜΕ ΠΛΑΣΤΙΚΟΥΣ ΣΩΛΗΝΕΣ PEX
Κατασκευαστής Manufacturer	ΑΦΟΙ Κ.ΧΕΡΟΥΒΕΙΜ ΑΒΕΕ CHERBROSS SA

3. ΣΤΟΙΧΕΙΑ ΕΛΕΓΧΟΥ / TESTING ELEMENTS

Ημερομηνία Ελέγχου Date of Testing	ΟΚΤΩΒΡΙΟΣ 2013 – ΑΥΓΟΥΣΤΟΣ 2014
Σκοπός Επιθεώρησης Subject of Inspection	ΠΙΣΤΟΠΟΙΗΣΗ ΕΞΑΡΤΗΜΑΤΩΝ ΑΠΟ ΚΡΑΜΑ ΧΑΛΚΟΥ ΜΕ ΑΚΡΟ ΓΙΑ ΜΗΧΑΝΙΚΗ ΣΥΣΦΙΓΞΗ ΜΕ ΠΛΑΣΤΙΚΟΥΣ ΣΩΛΗΝΕΣ PEX
Είδος Δοκιμών Type of Testing	• ΟΠΤΙΚΟΣ ΕΛΕΓΧΟΣ • ΕΛΕΓΧΟΣ ΠΡΩΤΗΣ ΥΛΗΣ • ΔΙΑΣΤΑΣΙΑΚΟΣ ΕΛΕΓΧΟΣ • ΔΟΚΙΜΗ ΣΤΕΓΑΝΟΤΗΤΑΣ ΣΥΝΔΕΣΗΣ ΥΠΟ ΕΣΩΤΕΡΙΚΗ ΠΙΕΣΗ • ΔΟΚΙΜΗ ΑΝΤΙΣΤΑΣΗΣ ΣΥΝΔΕΣΗΣ ΣΕ ΕΛΞΗ • ΔΟΚΙΜΗ ΣΥΝΔΕΣΗΣ ΣΕ ΚΥΚΛΙΚΗ ΠΙΕΣΗ
Απαιτήσεις / Προδιαγραφές Specifications / Requirements	ΕΛΟΤ EN 1254.03
Εξοπλισμός που Χρησιμοποιήθηκε Equipment Used	ΕΞΟΠΛΙΣΜΟΣ ΕΡΓΑΣΤΗΡΙΩΝ ΕΒΕΤΑΜ ΑΕ
Τοποθεσία Ελέγχου Place of Testing	ΕΡΓΑΣΤΗΡΙΑ ΕΒΕΤΑΜ ΑΕ Α' ΒΙ. ΠΕ. ΒΟΛΟΥ & ΒΙ.ΠΕ ΣΙΝΔΟΥ

ΔΗΛΩΣΗ ΕΓΚΥΡΟΤΗΤΑΣ ΑΠΟΤΕΛΕΣΜΑΤΩΝ ΔΟΚΙΜΗΣ

Τα αποτελέσματα της παρούσας δοκιμής αφορούν αποκλειστικά και ΜΟΝΟΝ τα δείγματα που υποβλήθηκαν σε αυτήν την δοκιμή.

ΔΗΛΩΣΗ ΕΓΚΥΡΟΤΗΤΑΣ ΑΝΑΠΑΡΑΓΩΓΗΣ ΠΑΡΟΥΣΙΑΣ ΕΚΘΕΣΗΣ

Η παρούσα έκθεση επιτρέπεται να αναπαράχθει ΜΟΝΟΝ στο σύνολο των σελίδων της. Επιμέρους αναπαραγωγή του παρόντος εντύπου εγγράφου δεν έχει την ισχύ έγκυρης έκθεσης.

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http://www.cerco.gr



0610 Straight Fitting Male for PEX			
Code	Size	Pack	€
0610150425	15 X 2.5 X 1/2"	10/120	
0610160421	16 X 2.0 X 1/2"	10/120	
0610160422	16 X 2.2 X 1/2"	10/120	
0610180420	18 X 2.0 X 1/2"	10/100	
0610180425	18 X 2.5 X 1/2"	10/100	
0610180620	18 X 2.0 X 3/4"	10/100	
0610180625	18 X 2.5 X 3/4"	10/100	
0610200420	20 X 2.0 X 1/2"	10/100	
0610220430	22 X 3.0 X 1/2"	10/100	
0610220630	22 X 3.0 X 3/4"	/80	
0610280830	28 X 3.0 X 1"	50	
0610320830	32 X 3.0 X 1"	40	



0620 Straight Fitting Female for PEX			
Code	Size	Pack	€
0620150425	15 X 2.5 X 1/2"	10/120	
0620160420	16 X 2.0 X 1/2"	10/120	
0620160422	16 X 2.2 X 1/2"	10/120	
0620180420	18 X 2.0 X 1/2"	10/100	
0620180425	18 X 2.5 X 1/2"	10/100	
0620180620	18 X 2.0 X 3/4"	10/100	
0620180625	18 X 2.5 X 3/4"	10/100	
0620200420	20 X 2.0 X 1/2"	10/100	
0620220430	22 X 3.0 X 1/2"	10/80	
0620220630	22 X 3.0 X 3/4"	10/80	
0620280830	28 X 3.0 X 1"	50	
0620320830	32 X 3.0 X 1"	40	



0630 Straight Fitting Double for PEX			
Code	Size	Pack	€
0630151525	15 X 15 X 2.5	10/120	
0630161620	16 X 16 X 2.0	10/100	
0630161622	16 X 16 X 2.2	10/100	
0630181820	18 X 18 X 2.0	10/80	
0630181825	18 X 18 X 2.5	10/08	
0630202020	20 X 20 X 2.0	10/80	
0630222230	22 X 22 X 3.0	5/60	
0630282830	28 X 28 X 3.0	30	
0630323230	32 X 32 X 3.0	30	



0710	Straight Fitting Double for PEX		
Code	Size	Pack	€
0710150425	15 X 2.5 X 1/2"	10/100	
0710160420	16 X 2.0 X 1/2"	10/100	
0710180420	18 X 2.0 X 1/2"	10/80	
0710180425	18 X 2.5 X 1/2"	10/80	
0710220630	22 X 3.0 X 3/4"	10/60	
0710280830	28 X 3.0 X 1"	5/30	
0710320830	32 X 3.0 X 1"	5/30	



0720	Elbow Male for PEX		
Code	Size	Pack	€
0720150425	15 X 2.5 X 1/2"	10/120	
0720160420	16 X 2.0 X 1/2"	10/100	
0720180420	18 X 2.0 X 1/2"	10/100	
0720180425	18 X 2.5 X 1/2"	10/100	
0720220630	22 X 3.0 X 3/4"	10/60	
0720280830	28 X 3.0 X 1"	5/40	
0720320830	32 X 3.0 X 1"	5/30	



0730	Elbow Double for PEX		
Code	Size	Pack	€
0730151525	15 X 15 X 2.5	10/100	
0730161620	16 X 16 X 2.0	10/100	
0730181820	18 X 18 X 2.0	10/80	
0730181825	18 X 18 X 2.5	10/80	
0730222230	22 X 22 X 3.0	5/50	
0730282830	28 X 28 X 3.0	5/30	
0730323230	32 X 32 X 3.0	5/25	



0810	Tee Female for PEX		
Code	Size	Pack	€
0810150425	15 X 2.5 X 1/2"	10/80	
0810160420	16 X 2.0 X 1/2"	10/80	
0810180420	18 X 2.0 X 1/2"	10/60	
0810180425	18 X 2.5 X 1/2"	10/60	
0810220630	22 X 3.0 X 3/4"	5/40	
0810280830	28 X 3.0 X 1"	5/20	
0810320830	32 X 3.0 X 1"	5/15	



0830	Tee Double for PEX		
Code	Size	Pack	€
0830151525	15 X 2.5 X 15	10/80	
0830161620	16 X 2.0 X 16	10/80	
0830181820	18 X 2.0 X 18	10/50	
0830181825	18 X 2.5 X 18	10/50	
0830222230	22 X 3.0 X 22	5/40	
0830282830	28 X 3.0 X 28	5/20	
0830323230	32 X 3.0 X 32	5/15	



0740	Wall Plate Elbow Female for PEX		
Code	Size	Pack	€
0740150425	15 X 2.5 X 1/2"	10/70	
0740160420	16 X 2.0 X 1/2"	10/70	
0740180420	18 X 2.0 X 1/2"	10/70	
0740180425	18 X 2.5 X 1/2"	10/70	



0850	Double Wallplate Bracket for PEX		
Code	Size	Pack	€
0850241909	1/2" - 24 x19	1/40	



0640	Pipe Extractor		
Code	Size	Pack	€
0640152500	15X2.5	1/100	
0640162000	16X2.0	1/100	
0640182000	18X2.0	1/100	
0640182500	18X2.5	1/100	

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***Compression Fittings
for
AL PEX Pipes***



Assembling Instruction

- ▶ Cut the pipe vertical.
Calliper the pipe and remove any borings.



- ▶ Fit firstly the nut, fit secondly the ring.



- ▶ Fit the pipe in the body of the article.
Tighten the nut by hand and then using the tool.



- ▶ **NOTICE:** it is very important to use the appropriate tools in any step of the process to achieve the best result of sealing.



0611 Straight Fitting Male for AL PEX			
Code	Size	Pack	€
0611160420	16 X 2.0 X 1/2"	10/120	
0611180420	18 X 2.0 X 1/2"	10/100	
0611200420	20 X 2.0 X 1/2"	10/100	
0611260830	26 X 3.0 X 1"	5/50	
0611320830	32 X 3.0 X 1"	5/40	



0621 Straight Fitting Female for AL PEX			
Code	Size	Pack	€
0621160420	16 X 2.0 X 1/2"	10/120	
0621180420	18 X 2.0 X 1/2"	10/100	
0621200420	20 X 2.0 X 1/2"	10/100	
0621260830	26 X 3.0 X 1"	5/50	
0621320830	32 X 3.0 X 1"	5/40	



0631 Straight fitting Double for AL PEX			
Code	Size	Pack	€
0631161620	16 X 2.0 X 16	10/120	
0631181820	18 X 2.0 X 18	10/100	
0631202020	20 X 2.0 X 20	10/80	
0631262630	26 X 3.0 X 26	5/30	
0631323230	32 X 3.0 X 32	5/30	



0711 Elbow Female for AL PEX			
Code	Size	Pack	€
0711160420	16 X 2.0 X 1/2"	10/100	
0711180420	18 X 2.0 X 1/2"	10/80	



0721 Elbow Male for AL PEX			
Code	Size	Pack	€
0721160420	16 X 2.0 X 1/2"	10/100	
0721180420	18 X 2.0 X 1/2"	10/100	



0731 Elbow Double for AL PEX			
Code	Size	Pack	€
0731161620	16 X 2.0 x 16	10/100	
0731181820	18 x 2.0 x 18	10/80	



0811 Tee Female for AL PE			
Code	Size	Pack	€
0811160420	16 X 2.0 x 1/2"	10/80	
0811180420	18 X 2.0 x 1/2"	10/60	



0831 Tee Double for AL PEX			
Code	Size	Pack	€
0831161620	16 X 2.0 X 16	10/80	
0831181820	18 X 2.0 X 18	10/50	



0741 Wall Plate Elbow Female for AL PEX			
Code	Size	Pack	€
0741160420	16 x 2.0 x 1/2"	10/70	
0741180420	18 x 2.0 x 1/2"	10/70	

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***Compression Fittings
for
Copper Pipes***



Assembling Instruction

- ▶ Cut the copper pipe vertical, using tools.
Remove any borings. Adjust inside the pipe the pipe support.



- ▶ Adjust inside the pipe the pipe support.



- ▶ Fit firstly the nut, secondly the ring.
Fit the pipe in the body of the fitting.
Tighten the nut by hand and then using the tools.



- ▶ **NOTICE:** it is very important to use the appropriate tools in any step of the process to achieve the best result of sealing.



0510 Straight Fitting Male for Cu pipes			
Code	Size	Pack	€
051015040Δ	15 x 1/2" Plus	10/200	
051016040Δ	16 x 1/2" Plus	10/200	
051018040Δ	18 x 1/2" Plus	10/150	
051018060Δ	18 x 3/4"	10/120	
051022060Δ	22 x 3/4"	10/100	
051022080Δ	22 x 1"	10/80	
051028080Δ	28 x 1"	5/60	



0520 Straight Fitting Female for Cu pipes			
Code	Size	Pack	€
052015040Δ	15 x 1/2" Plus	10/150	
052016040Δ	16 x 1/2" Plus	10/150	
052018040Δ	18 x 1/2" Plus	10/150	
052018060Δ	18 x 3/4"	10/100	
052022060Δ	22 x 3/4"	10/100	
052022080Δ	22 x 1"	5/80	
052028080Δ	28 x 1"	5/50	



0530 Straight Fitting Double for Cu pipes			
Code	Size	Pack	€
053015150Δ	15 x 15 Plus	10/150	
053016160Δ	16 x 16 Plus	10/150	
053018180Δ	18 x 18 Plus	10/100	
053022220Δ	22 x 22 Plus	110	
053028280Δ	28 x 28	5/50	



0550	Male Fitting Chrome Plated Teflon PTFE		
Code	Size	Pack	€
0550030400	Φ 10 x 1/2"	10/250	



0570	Male Fitting Chrome Plated Nut+Rubber+Brass Ring		
Code	Size	Pack	€
0570030407	Φ 10 x 1/2"	10/250	



0560	Female Fitting Chrome Plated Teflon PTFE		
Code	Size	Pack	€
0560030400	Φ 10 x 1/2"	10/250	



0580	Female Fitting Chrome Plated Nut+Rubber+Brass Ring		
Code	Size	Pack	€
0580030407	Φ 10 x 1/2"	10/250	



1050	Tubes Support for Cu pipes		
Code	Size	Pack	€
1050150000	15	50/1000	
1050160000	16	50/1000	
1050180000	18	50/750	
1050220000	22	10/300	

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Compression Fittings for Solar Systems



INOX A fittings

- ▶ Cut the pending spring pipe vertical, using appropriate tools.
The pipe must be clean without any borings.

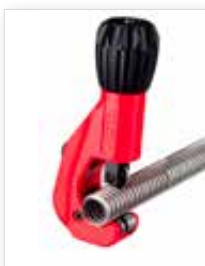


- ▶ Fit firstly the nut, secondly the ring.
Fit the pipe in the body of the article.
Tighten the nut by hand and then using the tool.



INOX DN16 fittings

- ▶ Cut the pending spring pipe vertical, using appropriate tools.
The pipe must be clean without any borings.



- ▶ Fit firstly the nut, secondly the two parts of the ring.
Fit the pipe in the body of the article.
Tighten the nut by hand and then using the tool.



- ▶ It is very important to use the appropriate tools in any step of the process in order to achieve the best result of sealing.



4001 Compression Plug Ø22			
Code	Size	Pack	€
4001020000	-	200	



4003 Elbow 3/4" Male - INOX			
Code	Size	Pack	€
4003010000	-	80	



4003 Elbow 3/4 " Male - INOX DN16			
Code	Size	Pack	€
4003020000	-	80	



4003 Elbow 3/4 " Female - INOX			
Code	Size	Pack	€
4003021600	-	80	



0540 Elbow 3/4 " Female - INOX DN16			
Code	Size	Pack	€
0540220611	-	80	



4003	Elbow PEX Cu		
Code	Size	Pack	€
4003030000	Ø22 - 3.0 PEX - Ø22 CU	70	



4003	Elbow Ø22 Cu-INOX		
Code	Size	Pack	€
4003040000	-	80	



4003	Elbow Ø22 Cu-INOX DN 16		
Code	Size	Pack	€
4003022400	-	70	



4003	Elbow Ø22 Cu-Ø22 Cu		
Code	Size	Pack	€
4003022000	-	80	



4004	Tee Female Fitting 3/4" - INOX DN16 - 1/2"		
Code	Size	Pack	€
4004011600	-	70	



4004	Tee Ø22 Cu INOX - Ø22 Cu		
Code	Size	Pack	€
4004020000	-	50	



4004 Tee Ø22 Cu -INOX DN16 - Ø22 Cu			
Code	Size	Pack	€
4004021600	-	50	



4004 Tee Ø22 Cu-22x3.0 PEX - Ø22Cu			
Code	Size	Pack	€
4004030000	-	50	



4008 Straight Fitting 3/4" F - INOX			
Code	Size	Pack	€
4008010000	-	120	



4008 Fitting 3/4" Female - INOX DN16			
Code	Size	Pack	€
4008011600	-	110	



0530 Fitting 3/4" Female - INOX DN16			
Code	Size	Pack	€
053022220Δ	-	120	



4011 Set / Cross fitting with Ø22			
Code	Size	Pack	€
4011000020	-	50	



4011 Cross fitting with Ø22 union			
Code	Size	Pack	€
4011000022	-	100	



4010 Temperature sensor probe with copper o'ring			
Code	Size	Pack	€
4010041211	1/2"	150	



4010 Air Vent with copper o'ring			
Code	Size	Pack	€
4010010004	1/2"	10/500	

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Threaded Fittings





1110	Elbow Female		
Code	Size	Pack	€
1110040407	1/2"	10/100	
1110040479	1/2" χρωμέ	10/100	
1110060607	3/4"	10/60	
1110080807	1"	5/40	
1110101007	1 1/4"	25	
1110121207	1 1/2"	20	
1110161607	2"	10	



1120	Elbow Male-Female		
Code	Size	Pack	€
1120040417	1/2"	10/100	
1120040479	1/2" χρωμέ	10/100	
1120060607	3/4"	10/70	
1120080807	1"	5/40	
1120101007	1 1/4"	25	
1120121207	1 1/2"	20	
1120161607	2"	10	



1130	Tee Female		
Code	Size	Pack	€
1130040407	1/2"	10/80	
1130040479	1/2" χρωμέ	10/80	
1130060607	3/4"	10/50	
1130080807	1"	5/30	
1130101007	1 1/4"	20	
1130121207	1 1/2"	16	
1130161607	2"	10	



1140	Socket F-F		
Code	Size	Pack	€
1140040000	1/2"	10/150	
1140060000	3/4"	10/100	
1140080000	1"	10/70	
1140100000	1 1/4"	5/40	



1150	Reduced Socket		
Code	Size	Pack	€
1150040300	1/2" - 3/8"	10/250	
1150060407	3/4" - 1/2"	10/150	
1150080407	1" - 1/2"	10/100	
1150080607	1" - 3/4"	10/80	
1150100807	1 1/4" - 1"	10/50	



1230	Reduced Nipple		
Code	Size	Pack	€
1230040607	3/4" - 1/2"	10/250	
1230040807	1" - 1/2"	10/150	
1230060807	1" - 3/4"	10/150	
1230041000	1 1/4" - 1/2"	5/80	
1230061000	1 1/4" - 3/4"	5/80	
1230081007	1 1/4" - 1"	10/80	
1230041200	1 1/2" - 1/2"	5/50	
1230061200	1 1/2" - 3/4"	5/50	
1230081200	1 1/2" - 1"	5/50	
1230101200	1 1/2"-11/4"	5/50	
1230041607	2" - 1/2"	5/40	
1230081607	2" - 1"	5/30	
1230101600	2" - 1 1/4"	5/40	
1230121600	2" - 1 1/2"	5/40	



1220 Reduced Nipple			
Code	Size	Pack	€
1220030407	1/2" X 3/8"	10/300	
1220030401	1/2" X 3/8" w/cone	10/300	
1220030479	1/2" X 3/8" chr. plated	10/300	
1220030409	1/2" X 3/8" chr. plated w/cone	10/300	
1220040607	3/4" X 1/2"	10/200	
1220040600	3/4" X 1/2" chr. plated	10/200	
1220040807	1" X 1/2"	10/100	
1220060807	1" X 3/4"	10/100	
1220410007	1 1/4" X 1/2"	10/80	
1220061007	1 1/4" X 3/4"	10/60	
1220081007	1 1/4" X 1"	5/10	



1210 Double Nipple			
Code	Size	Pack	€
1210040406	1/2" - 1/2"	10/200	
1210040417	1/2" - 1/2" chr. plated	10/200	
1210040479	3/4" - 3/4"	10/200	
1210060608	1" - 1"	10/150	
1210060617	1 1/4" - 1 1/4"	10/150	
1210080807	1 1/2" - 1 1/2"	10/80	
1210101007	2" - 2"	5/40	
1210121207	1 1/2" - 1 1/2"	5/30	
1210161607	2" - 2"	5/20	



1240 Hexagonal Coupling M/F			
Code	Size	Pack	€
1240030477	1/2" - 3/8"	10/300	
1240030400	1/2" - 3/8" w/cone	10/300	
1240030479	1/2" - 3/8" chr. plated	10/300	
1240030409	1/2" - 3/8" chr. plated w/cone	10/300	
1240047700	1/2" - 1/2"	10/200	
1240047709	1/2" - 1/2" chr. plated	10/200	
1240060670	3/4" - 3/4"	10/150	
1240060679	3/4" - 3/4" chr. plated	10/150	
1240080470	1" - 1/2"	10/100	
1240080479	1" - 1/2" chr. plated	10/100	
1240080670	1" - 3/4"	10/100	
1240080679	1" - 3/4" chr. plated	10/100	
1240080870	1" - 1"	10/100	
1240080879	1" - 1" chr. plated	10/100	



1250	Coupling M/F Chrome plated		
Code	Size	Pack	€
1250040000	1/2" x 25	10/250	
1250040900	1/2" x 25 chr. plated	10/250	
1250040710	1/2" x 40	10/150	
1250040719	1/2" x 40 chr. plated	10/150	



1310	Female Cup		
Code	Size	Pack	€
1310040700	1/2"	10/350	
1310060700	3/4"	10/250	
1310080700	1"	10/150	
1310080709	1" chr. plated	10/150	
1310100700	1 1/4"	10/100	
1310120700	1" 1/2"	10/80	



1320	Male Cup		
Code	Size	Pack	€
1320040000	1/2"	10/300	
1320060000	3/4"	10/250	
1320080001	1"	10/150	
1320080900	1" chr. plated	10/150	
1320100000	1 1/4"	10/100	
1320120000	1 1/2"	5/50	



1330	Tail with Loose Nut (pair)		
Code	Size	Pack	€
1330040601	1/2"x3/4" short	2/75	
1330040602	1/2"x3/4" long	2/60	
1330080601	1" x 3/4"	2/40	



1340	Nut		
Code	Size	Pack	€
1340040007	1/2"	10/500	
1340060007	3/4"	10/300	
1340080007	1"	10/200	
1340100007	1 1/4"	10/120	
1340120007	1 1/2"	10/100	
1340160007	2"	5/50	



1260	Tube Nipple M - M 1/2"		
Code	Size	Pack	€
1260040500	1/2" x 50	10/150	
1260040600	1/2" x 60	10/150	
1260040700	1/2" x 70	10/150	
1260040800	1/2" x 80	10/100	
1260041000	1/2" x 100	10/100	
1260041500	1/2" x 150	5/80	
1260042000	1/2" x 200	5/50	



1260	Tube Nipple M - M 3/4"		
Code	Size	Pack	€
1260060600	3/4" x 60	10/100	
1260060700	3/4" x 70	10/80	
1260060800	3/4" x 80	5/70	
1260061000	3/4" x 100	5/50	
1260061500	3/4" x 150	5/50	
1260062000	3/4" x 200	5/40	



1260	Tube Nipple M - M 1"		
Code	Size	Pack	€
1260080600	1" x 60	5/60	
1260080100	1" x 100	5/40	
1260080150	1" x 150	5/30	
1260082000	1" x 200	5/20	



1260	Tube Nipple M - M 1 1/4" - 2"		
Code	Size	Pack	€
1260101000	1 1/4" x 100	5/25	
1260121000	1 1/2" x 100	5/20	
1260161000	2" x 100	2/12	



1270	Running Nipple		
Code	Size	Pack	€
1270040600	1/2" x 60	10/150	
1270041000	1/2" x 100	10/100	
1270060600	3/4" x 60	10/100	
1270061000	3/4" x 100	10/60	
1270081000	1" x 100	5/40	



1380	Extension DIN 1/2"		
Code	Size	Pack	€
1380100401	1/2" x 10	10/300	
1380150401	1/2" x 15	10/250	
1380200401	1/2" x 20	10/200	
1380250401	1/2" x 25	10/200	
1380300401	1/2" x 30	10/150	
1380400401	1/2" x 40	10/100	
1380500401	1/2" x 50	10/100	
1380650401	1/2" x 65	10/80	
1380800401	1/2" x 80	5/70	
1380100041	1/2" x 100	5/50	



1380	Extension DIN 3/4"		
Code	Size	Pack	€
1380100601	3/4" x 10	10/200	
1380150601	3/4" x 15	10/150	
1380200601	3/4" x 20	10/150	
1380250601	3/4" x 25	10/100	
1380300601	3/4" x 30	10/100	
1380400601	3/4" x 40	10/80	
1380500601	3/4" x 50	10/80	
1380650601	3/4" x 65	10/60	
1380800601	3/4" x 80	5/50	
1380100061	3/4" x 100	5/50	



1380	Extension 1/2" Chrome Plated		
Code	Size	Pack	€
1380100400	1/2" x 10	10/300	
1380150400	1/2" x 15	10/250	
1380200400	1/2" x 20	10/200	
1380250400	1/2" x 25	10/200	
1380300400	1/2" x 30	10/150	
1380400400	1/2" x 40	10/100	
1380500400	1/2" x 50	10/100	
1380650400	1/2" x 65	10/80	
1380800400	1/2" x 80	5/70	
1380100040	1/2" x 100	5/50	



1380	Extension 3/4" Chrome Plated		
Code	Size	Pack	€
1380100600	3/4" x 10	10/200	
1380150600	3/4" x 15	10/150	
1380200600	3/4" x 20	10/150	
1380250600	3/4" x 25	10/100	
1380300600	3/4" x 30	10/100	
1380400600	3/4" x 40	10/80	
1380500600	3/4" x 50	10/80	
1380650600	3/4" x 65	10/60	
1380800600	3/4" x 80	5/50	
1380100060	3/4" x 100	5/50	



1110	Elbow Female		
Code	Size	Pack	€
1110040402	1/2"	10/150	
1110040409	1/2" chr. plated	10/150	
1110060602	3/4"	10/100	
1110080802	1"	10/50	



1120	Elbow Male-Female		
Code	Size	Pack	€
1120040403	1/2"	10/150	
1120040409	1/2" chr. plated	10/150	
1120060602	3/4"	10/100	
1120080802	1"	10/50	



1130	Tee Female		
Code	Size	Pack	€
1130040402	1/2"	10/100	
1130040409	1/2" chr. plated	10/100	
1130060602	3/4"	10/50	
1130080802	1"	5/40	



1140	Socket F-F		
Code	Size	Pack	€
1140010000	1/8"	10/300	
1140020000	1/4"	10/500	
1140030000	3/8"	10/300	
1140040002	1/2"	10/200	
1140060004	3/4"	10/150	
1140080002	1"	10/100	
1140120000	1 1/2"	5/30	
1140160000	2"	5/20	



1150	Reduced Socket		
Code	Size	Pack	€
1150100400	1 1/4" - 1/2"	5/80	
1150100600	1 1/4" - 3/4"	10/50	
1150120800	1 1/2" - 1"	5/40	
1150121000	1 1/2" - 1 1/4"	5/30	
1150161000	2" - 1 1/4"	5/20	
1150161200	2" - 1 1/2"	5/20	



1230	Reduced Bush Male - Female		
Code	Size	Pack	€
1230010200	1/4" - 1/8"	10/1000	
1230010300	3/8" - 1/8"	10/500	
1230020300	3/8" - 1/4"	10/500	
1230010400	1/2" - 1/8"	10/400	
1230020400	1/2" - 1/4"	10/400	
1230030400	1/2" - 3/8"	10/400	
1230030409	1/2" - 3/8" chr. plated	10/400	
1230040601	3/4" - 1/2"	10/300	
1230040600	3/4" - 1/2" chr. plated	10/300	
1230040800	1" - 1/2"	10/200	
1230060800	1" - 3/4"	10/200	



1220 Reduced Nipple			
Code	Size	Pack	€
1220010200	1/4" - 1/8"	10/600	
1220020300	3/8" - 1/4"	10/400	
1220020400	1/2" - 1/4"	10/400	
1220020402	1/2" - 1/4" cone	10/400	
1220040602	3/4" - 1/2"	10/200	
1220040802	1" - 1/2"	10/150	
1220060802	1" - 3/4"	10/100	
1220081002	1 1/4" - 1"	10/60	
1220061200	1 1/2" - 3/4"	5/60	
1220081200	1 1/2" - 1"	5/50	
1220101200	1 1/2" - 1 1/4"	5/50	
1220161000	2" - 1"	5/30	
1220101600	2" - 1 1/4"	5/30	
1220121600	2" - 1 1/2"	5/30	



1210 Double Nipple			
Code	Size	Pack	€
1210010100	1/8" - 1/8"	10/1000	
1210110100	1/8" - 1/8" cone	10/1000	
1210020200	1/4" - 1/4"	10/750	
121002020K	1/4" - 1/4" cone	10/700	
1210030309	3/8"-3/8"	10/500	
1210040402	1/2" - 1/2"	10/250	
1210040409	1/2" - 1/2" chr.plated	10/250	
1210060607	3/4" - 3/4"	10/200	
1210080800	1" - 1"	10/100	
1210101002	1 1/4" - 1 1/4"	10/50	
1210121202	1 1/2" - 1 1/2"	5/40	
1210161602	2" - 2"	5/20	



1240	Hexagonal Coupling M/F		
Code	Size	Pack	€
1240040000	1/2" - 1/2"	10/250	
1240040900	1/2" - 1/2" Chr. Plated	10/250	
1240060400	3/4" - 1/2"	10/200	
1240060409	3/4" - 1/2" Chr. Plated	10/200	



1310	Female Cup		
Code	Size	Pack	€
1310010000	1/8"	10/800	
1310020000	1/4"	10/1000	
1310030000	3/8"	10/500	
1310040002	1/2"	10/400	
1310060002	3/4"	10/250	
1310080002	1"	10/150	
1310080092	1" Chr. Plated	10/150	
1310160000	2 "	5/50	



1320	Male Cup		
Code	Size	Pack	€
1320010000	1/8"	10/500	
1320020000	1/4"	10/1000	
1320030000	3/8"	10/700	
132004000E	1/2"	10/500	
132004090E	1/2" chr. plated	10/500	
1320060001	3/4"	10/300	
1320080000	1"	10/150	
1320160000	2"	5/40	



1320	Male Cup square head		
Code	Size	Pack	€
1320040001	1/2"	10/400	
132004090T	1/2" chr. plated	10/400	



1390		Tank Coupling	
Code	Size	Pack	€
1390040300	1/2"	10/120	
1390060400	3/4"	10/80	
1390080600	1"	10/50	
1390101000	1 1/4"	5/25	
1390121200	1 1/2"	5/20	
1390161600	2"	5/15	



1360		Five way tee	
Code	Size	Pack	€
1360820800	82 x 1"	5/30	
1360920800	92 x 1"	5/30	



1325		Pressure Test Cup	
Code	Size	Pack	€
1325040000	1/2"	10/100	



1280	Hexagonal extension 1/2"		
Code	Size	Pack	€
1280100400	1/2" x 10	10/300	
1280150400	1/2" x 15	10/250	
1280200400	1/2" x 20	10/200	
1280250400	1/2" x 25	10/200	
1280300400	1/2" x 30	10/150	
1280400400	1/2" x 40	10/100	
1280500400	1/2" x 50	10/100	



1280	Hexagonal extension 1/2" Chrome Plated		
Code	Size	Pack	€
1280100409	1/2" x 10	10/300	
1280150409	1/2" x 15	10/250	
1280200409	1/2" x 20	10/200	
1280250409	1/2" x 25	10/200	
1280300409	1/2" x 30	10/150	
1280400409	1/2" x 40	10/100	
1280500409	1/2" x 50	10/100	



1810	Male hose		
Code	Size	Pack	€
1810040000	1/2"	10/250	
1810060000	3/4"	10/150	
1810080000	1"	10/80	
1810100000	1 1/4"	10/50	
1810120000	1 1/2"	5/40	
1810160000	2"	5/20	



1820	Female hose union		
Code	Size	Pack	€
1820040000	1/2"	10/250	
1820060000	3/4"	10/150	
1820080000	1"	10/80	
1820100000	1 1/4"	10/50	
1820120000	1 1/2"	5/30	
1820160000	2"	5/20	

CherPlus

Soldered Fittings



Assembling Instructions

- ▶ Cut the cooper pipe vertical, using tools.
Clean the pipe, remove any borings.



- ▶ Fit the pipe in the body of the fitting.
Use any appropriate solder process.



- ▶ The best result of sealing can be achieved using CHERFLUX cleaner and CHERBROS 97/3 solder

ΕΚΘΕΣΗ ΔΟΚΙΜΩΝ / TEST REPORT

ΚΩΔ. ΕΡΓΟΥ : 005772
Project Cod. No

A/A : 6885-R-14

1. ΠΕΛΑΤΗΣ - ΚΥΡΙΟΣ ΤΟΥ ΕΡΓΟΥ / CUSTOMER - OWNER

Επωνυμία Name	ΑΦΟΙ Κ.ΧΕΡΟΥΒΕΙΜ ΑΒΕΕ CHERBROSS SA
Διεύθυνση Address	ΟΡΦΕΩΣ 224 12241 ΑΙΓΑΛΕΩ ΑΤΤΙΚΗ

2. ΣΤΟΙΧΕΙΑ ΤΟΥ ΕΡΓΟΥ / PROJECT INFORMATION

Εργο Project	ΠΙΣΤΟΠΟΙΗΣΗ ΕΞΑΡΤΗΜΑΤΩΝ ΓΙΑ ΣΥΝΔΕΣΗ ΜΕ ΧΑΛΚΟΣΩΛΗΝΕΣ ΜΕ ΤΡΙΧΟΕΙΔΗ ΣΥΓΚΟΛΛΗΣΗ
Κατασκευαστής Manufacturer	ΑΦΟΙ Κ.ΧΕΡΟΥΒΕΙΜ ΑΒΕΕ CHERBROSS SA

3. ΣΤΟΙΧΕΙΑ ΕΛΕΓΧΟΥ / TESTING ELEMENTS

Ημερομηνία Ελέγχου Date of Testing	ΟΚΤΩΒΡΙΟΣ 2013 – ΑΥΓΟΥΣΤΟΣ 2014
Σκοπός Επιθεώρησης Subject of Inspection	ΠΙΣΤΟΠΟΙΗΣΗ ΕΞΑΡΤΗΜΑΤΩΝ ΑΠΟ ΚΡΑΜΑ ΧΑΛΚΟΥ ΜΕ ΑΚΡΟ ΓΙΑ ΣΥΝΔΕΣΗ ΜΕ ΧΑΛΚΟΣΩΛΗΝΕΣ ΜΕ ΤΡΙΧΟΕΙΔΗ ΣΥΓΚΟΛΛΗΣΗ
Είδος Δοκιμών Type of Testing	• ΟΠΤΙΚΟΣ ΕΛΕΓΧΟΣ, • ΕΛΕΓΧΟΣ ΠΡΩΤΗΣ ΥΛΗΣ, • ΔΙΑΣΤΑΣΙΑΚΟΣ ΕΛΕΓΧΟΣ • ΔΟΚΙΜΗ ΣΤΕΓΑΝΟΤΗΤΑΣ ΣΥΝΔΕΣΗΣ ΥΠΟ ΕΣΩΤΕΡΙΚΗ ΥΔΡΑΥΛΙΚΗ ΠΙΕΣΗ
Απαιτήσεις / Προδιαγραφές Specifications / Requirements	ΕΛΟΤ EN 1254.01 & 05
Εξοπλισμός που Χρησιμοποιήθηκε Equipment Used	ΕΞΟΠΛΙΣΜΟΣ ΕΡΓΑΣΤΗΡΙΩΝ ΕΒΕΤΑΜ ΑΕ
Τοποθεσία Ελέγχου Place of Testing	ΕΡΓΑΣΤΗΡΙΑ ΕΒΕΤΑΜ ΑΕ Α' ΒΙ. ΠΕ. ΒΟΛΟΥ
ΔΗΛΩΣΗ ΕΓΚΥΡΟΤΗΤΑΣ ΑΠΟΤΕΛΕΣΜΑΤΩΝ ΔΟΚΙΜΗΣ Τα αποτελέσματα της παρούσας δοκιμής αφορούν αποκλειστικά και ΜΟΝΟΝ τα δείγματα που υποβλήθηκαν σε αυτήν την δοκιμή.	
ΔΗΛΩΣΗ ΕΓΚΥΡΟΤΗΤΑΣ ΑΝΑΠΑΡΑΓΩΓΗΣ ΠΑΡΟΥΣΑΣ ΕΚΘΕΣΗΣ Η παρούσα έκθεση επιτρέπεται να αναπαράχθει ΜΟΝΟΝ στο σύνολο των σελίδων της. Επιμέρους αναπαραγωγή του παρόντος ενιαίου εγγράφου δεν έχει την ισχύ έγκυρης έκθεσης.	

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Fax: +30 22620 76461
e-mail: info@cerefo.gr
http://www.cerefo.gr



0910 Coupling Male			
Code	Size	Pack	€
0910120407	12 x 1/2"	10/300	
0910150417	15 x 1/2"	10/250	
0910160407	16 x 1/2"	10/300	
0910180417	18 x 1/2"	10/250	
0910180607	18 x 3/4"	10/200	
0910220400	22 x 1/2"	10/200	
0910220607	22 x 3/4"	10/150	
0910220807	22 x 1"	10/100	
0910221007	22 x 1 1/4"	10/80	
0910280607	28 x 3/4"	10/100	
0910280807	28 x 1"	10/100	
0910281007	28 x 1 1/4"	5/50	
0910350807	35 x 1"	10/60	
0910351007	35 x 1 1/4"	10/50	
0910351207	35 x 1 1/2"	5/40	
0910351607	35 x 2"	5/40	
0910421007	42 x 1 1/4"	5/40	
0910421207	42 x 1 1/2"	5/30	
0910421607	42 x 2"	5/30	
0910541607	54 x 2"	5/20	
0910542000	54 x 2 1/2"	5/20	



0920 Coupling Female			
Code	Size	Pack	€
0920120407	12 x 1/2"	10/300	
0920150407	15 x 1/2"	10/200	
0920180407	18 x 1/2"	10/200	
0920180607	18 x 3/4"	10/150	
0920220407	22 x 1/2"	10/150	
0920220607	22 x 3/4"	10/150	
0920220807	22 x 1"	10/100	
0920280607	28 x 3/4"	10/100	
0920280807	28 x 1"	10/80	
0920281007	28 x 1 1/4"	5/50	
0920350807	35 x 1 "	10/60	
0920351007	35 x 1 1/4"	5/50	
0920351207	35 x 1 1/2"	5/40	
0920421007	42 x 1 1/4"	5/40	



0930	Elbow Female		
Code	Size	Pack	€
0930150417	15 x 1/2"	10/150	
0930150607	15 x 3/4"	10/100	
0930160407	16 x 1/2"	10/150	
0930180407	18 x 1/2"	10/150	
0930180607	18 x 3/4"	10/100	
0930220607	22 x 3/4"	10/80	
0930220807	22 x 1"	5/50	
0930280807	28 x 1"	5/40	



0940	Elbow Male		
Code	Size	Pack	€
0940120407	12 X 1/2"	10/250	
0940150407	15 x 1/2"	10/200	
0940180407	18 x 1/2"	10/150	
0940150607	15 x 3/4"	10/200	
0940220607	22 x 3/4"	10/80	
0940220807	22 x 1"	5/50	



0950	Tee Female		
Code	Size	Pack	€
0950150407	15 x 1/2" x 15	10/100	
0950180407	18 x 1/2" x 18	10/100	
0950220407	22 x 1/2" x 22	10/70	
0950220607	22 x 3/4" x 22	10/60	



0910	Coupling Male		
Code	Size	Pack	€
0910150400	15 x 1/2"	10/400	
0910150600	15 x 3/4"	10/200	
0910180400	18 x 1/2"	10/350	
0910180600	18 x 3/4"	10/200	
0910180800	18 x 1"	10/150	
0910220601	22 x 3/4"	10/200	
0910220800	22 x 1"	10/150	
0910280800	28 x 1"	10/100	
0910281000	28 x 1 1/4"	10/70	
0910350801	35 x 1"	5/100	
0910351000	35 x 1 1/4"	10/60	
0910421201	42 x 1 1/2"	5/40	
0910541200	54 x 1 1/2"	5/30	



0920	Coupling Female		
Code	Size	Pack	€
0920150400	15 x 1/2"	10/250	
0920150600	15 x 3/4"	10/150	
0920160400	16 x 1/2"	10/250	
0920180400	18 x 1/2"	10/250	
0920180601	18 x 3/4"	10/200	
0920220601	22 x 3/4"	10/150	
0920220800	22 x 1"	10/100	
0920280801	28 x 1"	10/100	
0920350801	35 x 1"	10/100	
0920351001	35 x 1 1/4"	10/60	
0920421200	42 x 1 1/2"	5/40	
0920541600	54 x 2"	5/20	



0930	Elbow Female		
Code	Size	Pack	€
09301204000	12 x 1/2"	10/200	
09301504000	15 x 1/2"	10/200	



0931 Elbow Female Wallplate			
Code	Size	Pack	€
09311504000	15 x 1/2"	10/150	



0920 Elbow Male			
Code	Size	Pack	€
0940150401	15 x 1/2"	10/200	
0940160400	16 x 1/2"	10/200	
0940180400	18 x 1/2"	10/200	
0940180600	18 x 3/4"	10/100	



0950 Tee Female			
Code	Size	Pack	€
0950150400	15 x 1/2" x 15	10/150	



0936 Double Wallplate Bracket			
Code	Size	Pack	€
0936150400	1/2" - Ø15	1/40	



1010 Straight Male Union with O-Ring			
Code	Size	Pack	€
1010150407	15 x 1/2"	10/150	
1010180407	18 x 1/2"	10/100	
1010150607	15 x 3/4"	10/150	
1010180607	18 x 3/4"	10/100	
1010220607	22 x 3/4"	10/100	
1010220807	22 x 1"	10/80	
1010280807	28 x 1"	5/40	
1010281007	28 x 1 1/4"	5/40	



1020 Straight Female Union with O-Ring			
Code	Size	Pack	€
1020150407	15 x 1/2"	10/150	
1020180407	18 x 1/2"	10/100	
1020150607	15 x 3/4"	10/150	
1020180607	18 x 3/4"	10/100	
1020220607	22 x 3/4"	10/100	
1020220807	22 x 1"	5/70	
1020280807	28 x 1"	5/50	