



BLUEFITT

FITTINGS & CONNECTORS

CATALOGUE 2020



BLUEFITT

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Dear Customer,

We are pleased to introduce you to **Bluefitt International**, producer and distributor of irrigation material.

Our company was born with the commitment to offer quality irrigation systems backed by a personalized technical service.

Our team of professionals with over 20 years of experience in the agricultural sector is ready to provide the best solution to the needs of our customers.

Focused on the evolution and constant improvement of our products, **Bluefitt International** aims to support and encourage the growth of our customers.

We appreciate your trust and we hope you can find with us the solution of your needs

Welcome to the Bluefitt community!



BLUEFITT

FITTINGS & CONNECTORS

CH Series Hydraulic Command

The **CH BLUEFITT** series is composed of fittings and the configuration formed between these and the filters.

The fittings cover a large field of action, they are indicated for the piloting and hydraulic control of valves in civil works, agriculture, pneumatic systems and industrial processes.

Designed with high quality materials, highly resistant to chemical products and very functional.

Fittings

They are connection accessories with high resistance and high reliability to replace the use of clamps.

This series includes a complete range of figures (Elbow, connector, plug, union t, tee, couplings and reduction), for the connection of micro tubes in 6 and 8 mm.

They are manufactured in Polyamide 6 F.V. at 30% for weather resistance and with 1/8 "and 1/4" threads.

Fittings with filters

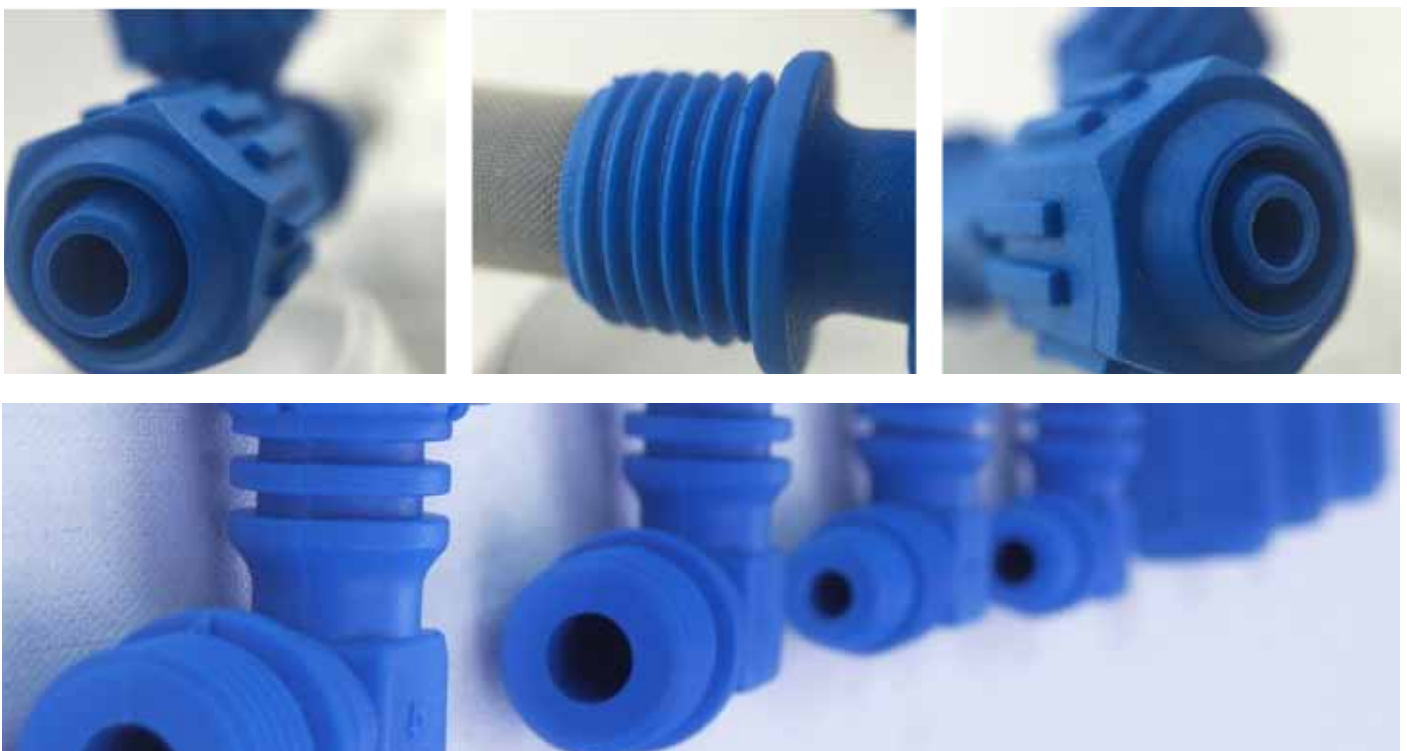
Completing the CH BLUEFITT series are the fittings with intake filters, the same range of figures for the connection of micro tubes in 6 and 8 mm. with 1/4 "thread but with a special adapter that allows the coupling of a stainless steel mesh with the following specifications.

Mesh 0.2T.100 M/0.1

Inox AISI 304 luz 0.15 m.m.

Instalation:

First you have to insert the nut into the tube to be connected, then insert the tube into the spigot to finish by tightening the nut tightly.





TECHNICAL SPECIFICATIONS

Physical Properties

	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792, ISO 1183
Water Absorption	6.5 % @Temperature 23.0 °C	6.5 % @Temperature 73.4 °F	24h; ASTM D570, ISO 62
Linear Mold Shrinkage	0.0030 - 0.012 cm/cm	0.0030 - 0.012 in/in	ASTM D955

Mechanical Properties

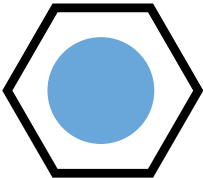



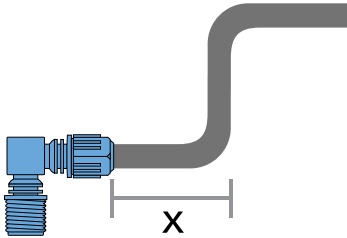
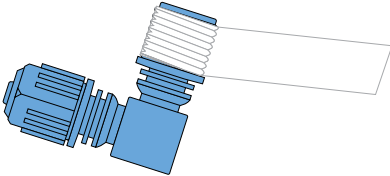
	Metric	English	Comments
Hardness, Rockwell L	115	115	ASTM D785, ISO 2039/2
Tensile Strength, Yield	160 MPa	23200 psi	ASTM D638, ISO R527
Elongation at Break	4.0 %	4.0 %	ASTM D638, ISO R527
Flexural Strength	220 MPa	31900 psi	ASTM D790, ISO 178
Flexural Modulus	7.50 GPa	1090 ksi	ASTM D790, ISO 178
Izod Impact, Notched	0.500 - 0.700 J/cm @Thickness 3.20 mm, Temperature 73.4 °F	0.937 - 1.31 ft-lb/in @Thickness 0.126 in, Temperature 23.0 °C	ASTM D256, ISO 180/4a

Electrical Properties

	Metric	English	Comments
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	ASTM D257, IEC 93
Dielectric Constant	3.4 @Frequency 1000 Hz	3.4 @Frequency 1000 Hz	ASTM D150, IEC 250
Dielectric Strength	70.0 kV/mm	1780 kV/in	ASTM D149, IEC 243
Dissipation Factor	0.013 @Frequency 1000 Hz	0.013 @Frequency 1000 Hz	ASTM D150, IEC 250
Comparative Tracking Index	550 V	550 V	VDE 0303-P1, IEC 112

Thermal Properties

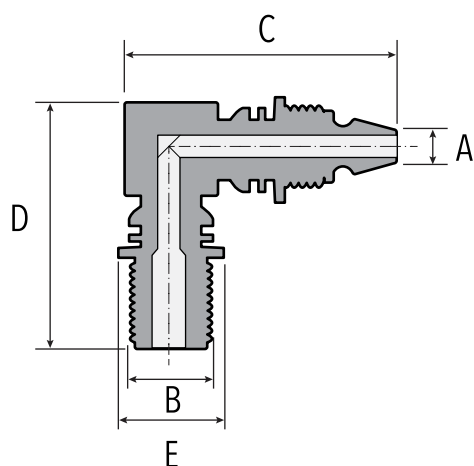
	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	20000 h; VDE 0304/P2-1, IEC 216
	110 °C	230 °F	5000 h; VDE 0304/P2-1, IEC 216
	180 °C	356 °F	few hours; VDE 0304/P2-1, IEC 216
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	ASTM D648, ISO 75
Vicat Softening Point	205 °C @Load 5.00 kg	401 °F @Load 11.0 lb	120°C/min; ASTM D1525/B, ISO 306/B
	210 °C @Load 0.999 kg	410 °F @Load 2.20 lb	120°C/min; ASTM D1525/A, ISO 306/A
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

	<p>Material</p> <p>Polyamide 6 30% Fiberglass</p>
	<p>Working Pressure</p> <p>Up to 14 BAR</p>
	<p>Working Temperature</p> <p>-20 °C a 110 °C Subject on its application</p>
	<p>Warning</p> <p>Do not use pliers Hand tight force only</p>
	<p>Minimum straight tube segment</p> <p>X = 5 x mm. from the spigot</p>
	<p>Warning</p> <p>Use thread seal tape</p>



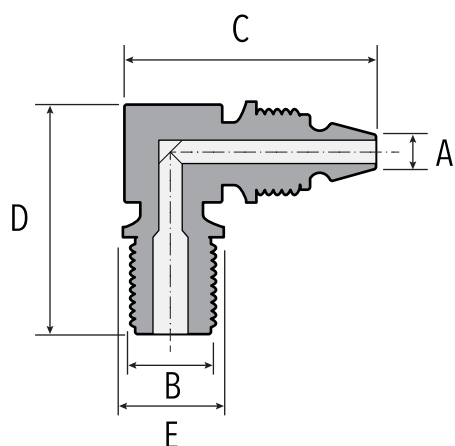
Male Elbow

Code	A	B	C	D	E
CH-001	6	1/8"	35 mm	30 mm	12 mm
CH-002	6	1/4"	35 mm	30 mm	12 mm
CH-003	8	1/8"	35 mm	30 mm	12 mm
CH-004	8	1/4"	35 mm	30 mm	12 mm



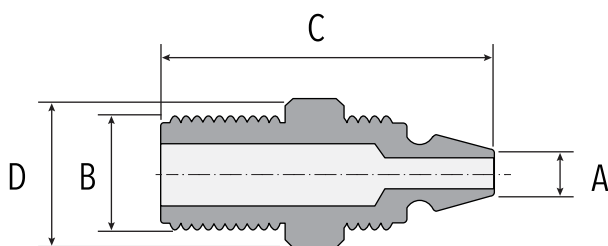
Short Male Elbow

Code	A	B	C	D	E
CH-001C	6	1/8"	24 mm	32 mm	12 mm
CH-002C	6	1/4"	24 mm	32 mm	12 mm
CH-003C	8	1/8"	24 mm	32 mm	12 mm
CH-004C	8	1/4"	24 mm	32 mm	12 mm



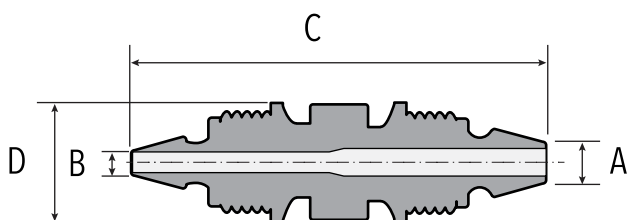
Male Connector

Code	A	B	C	D
CH-040	6	1/8"	32 mm	13,5 mm
CH-041	6	1/4"	32 mm	13,5 mm
CH-042	8	1/8"	32 mm	13,5 mm
CH-043	8	1/4"	32 mm	13,5 mm



Union Connector

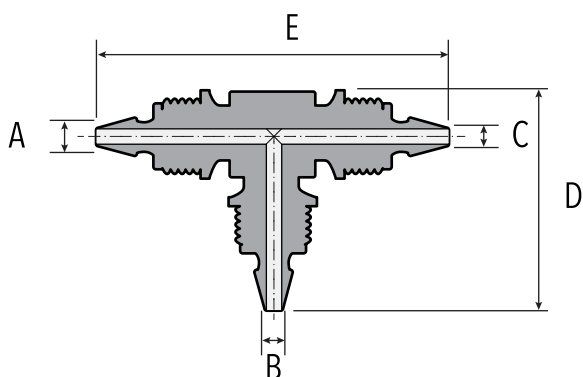
Code	A	B	C	D
CH-070	6	6	40 mm	16 mm
CH-071	8	8	40 mm	16 mm
CH-072	8	6	40 mm	16 mm





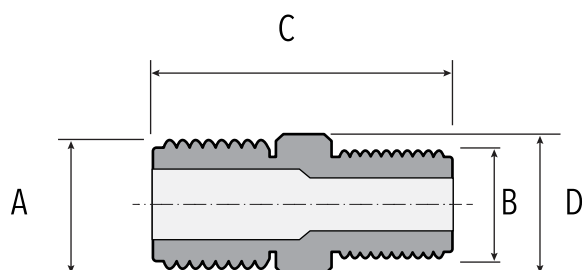
Union T

Code	A	B	C	D	E
CH-011	6	6	6	50 mm	32 mm
CH-012	8	8	8	50 mm	32 mm



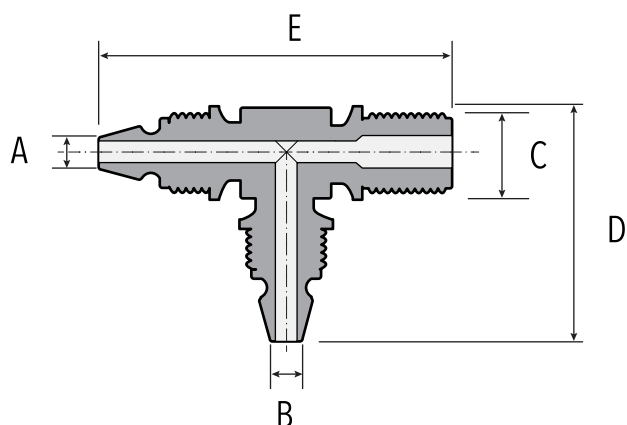
Pipe Hex Nipple

Code	A	B	C	D
CH-050	1/8"	1/8"	21,6 mm	11 mm
CH-060	1/8"	1/4"	26 mm	15 mm



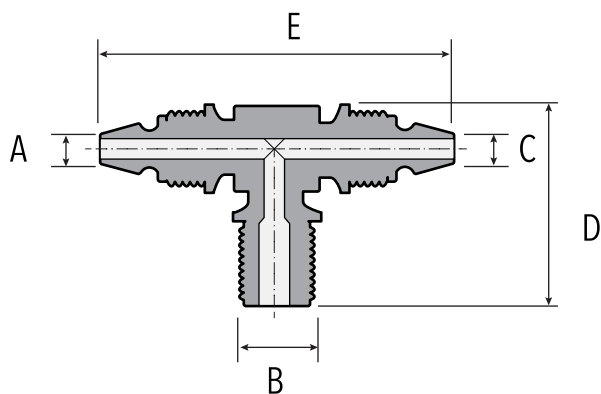
Male Run T

Code	A	B	C	D	E
CH-020	6	6	1/8"	45 mm	33 mm
CH-021	6	6	1/4"	45 mm	33 mm
CH-022	8	8	1/8"	45 mm	33 mm
CH-023	8	8	1/4"	45 mm	33 mm



Male Branch T

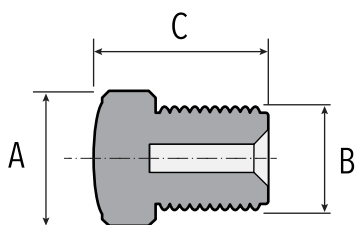
Code	A	B	C	D	E
CH-030	6	1/8"	6	50 mm	27 mm
CH-031	6	1/4"	6	50 mm	27 mm
CH-032	8	1/8"	8	50 mm	27 mm
CH-033	8	1/4"	8	50 mm	27 mm





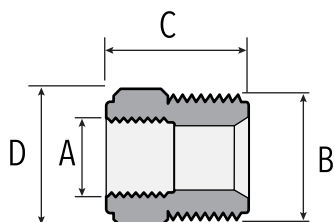
Hex Threaded Plug

Code	A	B	C
CH-045	15 mm	1/8"	19 mm
CH-046	11 mm	1/4"	15 mm



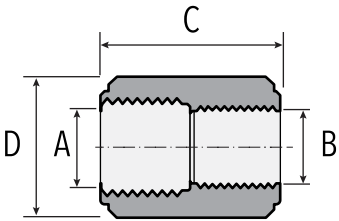
Pipe Bushing

Code	A	B	C	D
CH-091	1/8"	1/2"	22,5 mm	22 mm
CH-092	1/4"	1/2"	22,5 mm	22 mm
CH-093	3/4"	1/2"	22,5 mm	22 mm



Female Pipe Coupling

Code	A	B	C	D
CH-080	1/4"	1/4"	25 mm	18 mm
CH-081	1/8"	1/8"	25 mm	18 mm
CH-082	1/8"	1/4"	25 mm	18 mm

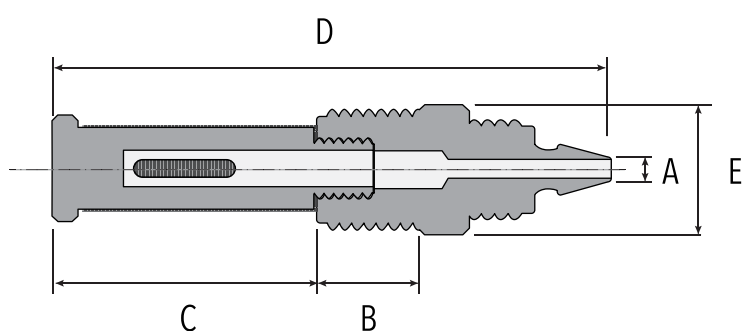




Male Connector - Filter

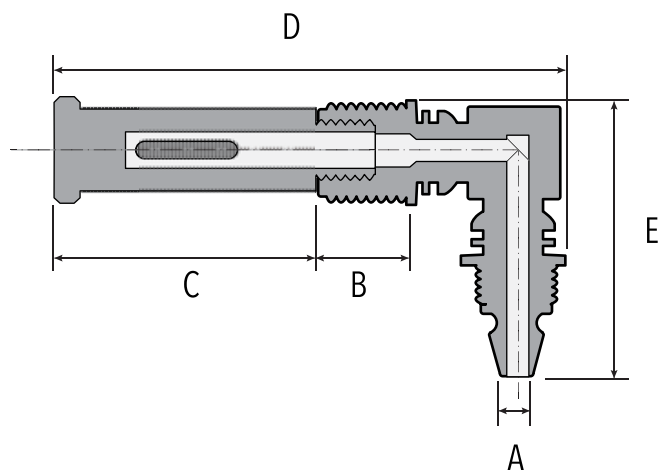
Mesh 0.2T.100 M/0.1
Inox AISI 304 luz 0.15 m.m.

Code	A	B	C	D	E
CH-041CFC	6	1/4"	20 mm	57 mm	13,5 mm
CH-043CFC	8	1/4"	20 mm	57 mm	13,5 mm
CH-041CFL	6	1/4"	30 mm	67 mm	13,5 mm
CH-043CFL	8	1/4"	30 mm	67 mm	13,5 mm



Male Elbow - Filter

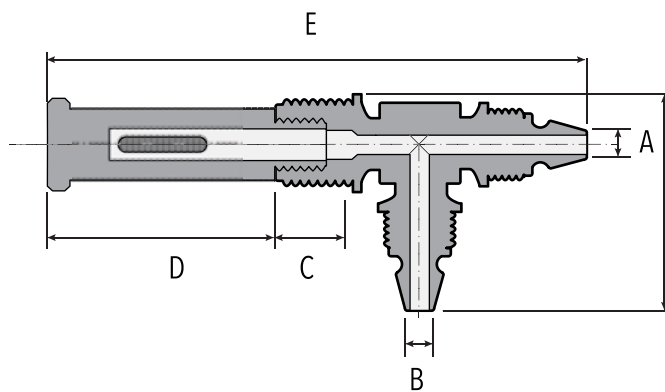
Code	A	B	C	D	E
CH-002FC	6	1/4"	20 mm	57 mm	35 mm
CH-004FC	8	1/4"	20 mm	57 mm	35 mm
CH-002FL	6	1/4"	30 mm	67 mm	35 mm
CH-004FL	8	1/4"	30 mm	67 mm	35 mm



Male Run T - Filter

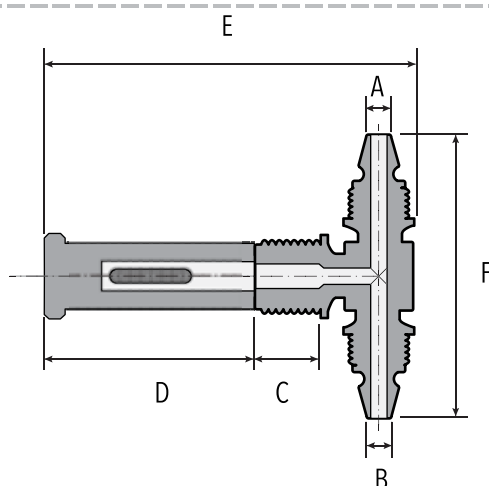
Mesh 0.2T.100 M/0.1
Inox AISI 304 luz 0.15 m.m.

Code	A	B	C	D	E	F
CH-021CFC	6	6	1/4"	20 mm	53 mm	33 mm
CH-023CFC	8	8	1/4"	20 mm	53 mm	33 mm
CH-021CFL	6	6	1/4"	30 mm	80 mm	33 mm
CH-023CFL	8	8	1/4"	30 mm	80 mm	33 mm



Male Branch T - Filter

Code	A	B	C	D	E	F
CH-031CFC	6	6	1/4"	20 mm	53 mm	50 mm
CH-033CFC	8	8	1/4"	20 mm	53 mm	50 mm
CH-031CFL	6	6	1/4"	30 mm	63 mm	50 mm
CH-033CFL	8	8	1/4"	30 mm	63 mm	50 mm



PRICES FOR HYDRAULIC COMMAND FITTINGS AND FILTERS

The prices that appear in this table are for public sale, contact us for a personalized discount, for these products the quantity per bag is 100 units.

REFERENCE	DESCRIPTION	MEASURES	RRP
CH-001C	Short Male Elbow	6x1/8"	0,407 €
CH-002C		6x1/4"	0,407 €
CH-003C		8x1/8"	0,407 €
CH-004C		8x1/4"	0,407 €
CH-001	Male Elbow	6x1/8"	0,407 €
CH-002		6x1/4"	0,407 €
CH-003		8x1/8"	0,407 €
CH-004		8x1/4"	0,407 €
CH-040	Male Connector	6x1/8"	0,339 €
CH-041		6x1/4"	0,339 €
CH-042		8x1/8"	0,339 €
CH-043		8x1/4"	0,339 €
CH-044	Hex Threaded Plug	1/8"	0,230 €
CH-045		1/4"	0,230 €
CH-050	Pipe Hex Nipple	1/8"	0,229 €
CH-060		1/4"x1/8"	0,229 €
CH-011	Union T	6x6x6	0,547 €
CH-012		8x8x8	0,547 €
CH-020	Male Run T	6x6x1/8"	0,547 €
CH-021		6x6x1/4"	0,547 €
CH-022		8x8x1/8"	0,547 €
CH-023		8x8x1/4"	0,547 €
CH-030	Male Branch T	6x1/8"x6	0,547 €
CH-031		6x1/4"x6	0,547 €
CH-032		8x1/8"x8	0,547 €
CH-033		8x1/4"x8	0,547 €
CH-070	Union Connector	6x6	0,431 €
CH-071		8x8	0,431 €
CH-072		6x8	0,431 €
CH-080	Female Pipe Coupling	1/4"x1/4"	0,420 €
CH-081		1/8"x1/8"	0,420 €
CH-082		1/4"x1/8"	0,420 €
CH-091	Pipe Bushing	1/2"m x 1/8"f	0,460 €
CH-092		1/2"m x 1/4"f	0,460 €
CH-093		1/2"m x 3/8"f	0,460 €

REFERENCE	DESCRIPTION	MEASURES	RRP
CH-002CFC CH-004CFC CH-002CFL CH-004CFL	Male Elbow - filter	6 x 1/4" - Short filter 20 mm 8 x 1/4" - Short filter 20 mm 6x1/4"- Large filter 30mm 8x1/4"-Large filter 30mm	1,555 € 1,550 € 1,960 € 1,960 €
CH-041CFC CH-043CFC CH-041CFL CH-043CFL	Male Connector - filter	6 x 1/4" - Short filter 20 mm 8 x 1/4" - Short filter 20 mm 6x1/4"- Large filter 30mm 8x1/4" - Large filter 30mm	1,555 € 1,550 € 1,960 € 1,960 €
CH-021CFC CH-023CFC CH-021CFL CH-023CFL	Male Run T - filter	6x6x1/4"-Short filter 20mm 8x8x1/4" - Short filter 20mm 6x6x1/4" - Large filter 30mm 8x8x1/4" - Large filter 30mm	1,555 € 1,550 € 1,960 € 1,960 €
CH-031CFC CH-033CFC CH-031CFL CH-033CFL	Male Branch T	6x1/4"x6-Short filter 20mm 8x1/4"x8-Short filter 20mm 6x1/4"x6- Large filter 30mm 8x1/4"x8- Large filter 30mm	1,555 € 1,550 € 1,960 € 1,960 €

SALES TERMS

The conditions of sale referred to in this document are applicable to any order. Any modification of them must be approved by Bluefitt International by written document.

The price list may be revised without prior notice, and may affect all or part of it, and may affect the operations that are taking place at the time of modification of the same.

ORDERS: Orders should take place in written form, always indicating our references, in order to avoid possible errors. We will also have to maintain the amounts per box that appear in our rate.

DELIVERY TIME: The delivery time is calculated at the time of the creation of the order, and may vary depending on the acceptance thereof, by the customer. Understanding the delivery date of the goods from our warehouse by delivery time.

PRICE: The prices of this rate are Exworks (EXW), any other expense that may occur as taxes are borne by the buyer.

TRANSPORTATION: Bluefitt International, works with postage paid for domestic orders (excluding the Balearic Islands and the Canary Islands) exceeding EUR 600.00. In no case we are responsible for any damages or losses that may arise in the transport of them. Any additional packaging to that provided by the company as specific packaging for maritime, air or other specific transportation that is required by other countries, will be paid by the buyer.

WARRANTY: All products have a guarantee of two years, from the date of departure of the goods against any manufacturing defect. The company will not be responsible for the damages caused by bad handling.

Our warranty only and exclusively includes the total or partial change of the damaged part, the company will not be responsible for compensation or other expenses that occur.

The warranty also does not apply when the products are subjected to conditions other than those

specified in our Technical Sheets, referring to the use for example of pressures other than those specified, temperatures or others.

MATERIALS: Bluefitt International, reserves the right to change colors or materials as long as the needs so require and always ensuring that such changes do not affect the quality of our products.

PAYMENT: All payments will be made in cash, except in those cases in which there is an agreement between the parties. Any modification, both of the expiration date and the method of payment must be communicated in writing and accepted by **Bluefitt International**. Any expense or charge that occurs for the return of an effect will always be borne by the buyer.

CLAIMS AND RETURNS: The customer may make changes or refunds during a period of 15 days from the date of departure of the merchandise. Any claim outside this period will not be accepted. Once this is accepted, the buyer must send the merchandise perfectly packaged, being the buyer's cost of shipping the merchandise.

CANCELLATION: The company may cancel, rescind or delay any sale action, if any of the conditions described in this document are not met. For total or partial non-payment, or for others not described in it.

RESERVATION OF PROPERTY: The materials, supplied by Bluefitt International, will be the property of the same until payment has been made, Bluefitt International may withdraw the merchandise in whole or in part in the event of any default.

JUDICIAL COMPETENCE: Any dispute related to the execution of these rules will be resolved in the first instance through friendly negotiation. In case it could not reach an agreement between the parties, both agree to submit to the Courts and Tribunals of Torrejón de Ardoz. and in the last case they will be submitted to the International Court of Arbitration of the International Chamber of Commerce. The Arbitration Committee will be final and binding for both parties. And the arbitration fee will be borne by the losing party.



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