

02/2016

[Multilayer system]

price list 02/2016

BALPEX

BALPEXGAS

Made in Italy



BAMPI



Distribuzione idrotermosanitaria



Distribuzione domestica GAS



Heating and water distribution system

GAS distribution system

Multilayer pex-al-pex: a unique and reliable

Made in Italy



The reason for success

Riccardo Bampi founded the homonymous company in 1977. For four decades Bampi company has established itself among the Italian players in the plumbing and heating sector. Known and appreciated for its attention to living comfort, Bampi S.p.A. has been able to stand out by offering constant and timely technical consultancy.

Only the market can determine the success of a company. For Bampi, the one of the heating and water distribution is a sector in expansion, for 10 years awarded by the appreciation of designers and installers. The final and long-awaited (for Italy) approval of the multi-layer system for use in the gas distribution gave a further boost to the evolution and expansion of Bampi brand. Today BALPEX range offers a wide choice of items for the creation of multiple distribution systems, accompanied by the relevant product certifications in accordance with current regulations in Italy and Europe.



Many application opportunities with the same high level of quality

Certain quality requirements from increasingly efficient buildings require the adoption of advanced technological systems that can provide maximum comfort and last at least as long as the building where they are installed. The multilayer system **BALPEX**, thanks to cross-linking of both polyethylene layers and to the brass fittings with stainless steel sleeve, offers maximum security and versatility in the realization of installations for the transport of fluids at high temperature and pressure value, ensuring constant mechanical strength characteristics and long operating life in a field of application among the largest.

able solution for distribution systems.



APPLICATION FIELDS

Thanks to its wide range of pipes and fittings and to the security and speed of installation, BALPEX system currently represents the most advanced technological solution to be adopted in the following fields of application:

Made in Italy

FIELDS OF APPLICATION	TYPE OF PIPE	TYPE OF FITTING	REFERENCE STANDARDS
Sanitary systems	PE-Xc and PE-Xb	Serie MP - LP - BL	UNI EN ISO 21003:2009 Multilayer pipe systems for hot and cold water distribution inside buildings
High temperature heating systems	PE-Xc and PE-Xb	Serie MP - LP - BL	
Underfloor heating & cooling systems	PE-Xc and PE-Xb	Serie MP - LP - BL	
Transport of chilled water	PE-Xc and PE-Xb	Serie MP - LP - BL	UNI EN ISO 12241:2009 Thermal insulation for installation in buildings and industrial applications
Compressed air lines	PE-Xc and PE-Xb	Serie MP - LP	Suitable in installations without oil (provide oil filter)
Transport of drinking fluids	PE-Xc and PE-Xb	Serie MP - LP - BL	Ministerial Decree 174:2004 of 6 april 2004
Irrigation systems	PE-Xc and PE-Xb	Serie MP - LP - BL	To be used within the prescribed operating load values (10 bar / 95 °C)
Gas supply for domestic use (UNI CIG 7129:2015) and for outside home over 35 KW	BALPEX GAS PE-X/AL/PE-X	Serie MP GAS	UNI TS 11344 Multilayer pipe systems and fittings for transport of gaseous fuels for internal installation
Other types of installations	Ask Bampi Technical dept.	Ask Bampi Technical dept.	To be used within the prescribed operating load values (10 bar / 95 °C)

All above mentioned areas of application are nevertheless subject to full compliance with relevant current regulations and with operating load values prescribed in this technical manual

NOTE

Bampi reserves the right to carry out any changes in order to improve performance and to adapt to future regulations without prior notice

Tubo multistrato GAS nudo in ROTOLI / GAS Multilayer pipe in coil
GAS

Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio	€/mt.
GASMT16R	GAS PE-X/AL/PE-X	Rotolo nudo	100/2200	16x2	0,20	1,25
GASMT20R	GAS PE-X/AL/PE-X	Rotolo nudo	100/1500	20x2	0,30	1,67
GASMT26R	GAS PE-X/AL/PE-X	Rotolo nudo	50/600	26x3	0,40	3,30
GASMT32R	GAS PE-X/AL/PE-X	Rotolo nudo	50/500	32x3	0,45	5,41

Tubo multistrato GAS nudo in BARRE / GAS Multilayer pipe in bar
GAS

Codice	Serie	Aspetto	Conf. mt.	ØxSp. mm.	Spessore mm. Alluminio	€/mt.
GASMT20B	GAS PE-X/AL/PE-X	Barra nudo 5 mt.	75	20x2	0,30	2,03
GASMT26B	GAS PE-X/AL/PE-X	Barra nudo 5 mt.	50	26x3	0,40	4,07
GASMT32B	GAS PE-X/AL/PE-X	Barra nudo 5 mt.	35	32x3	0,45	6,58

Tubo multistrato GAS preisolato in ROTOLI / GAS Pre-insulated multilayer pipe in coil
GAS

Codice	Serie	Aspetto	Ø interno mm.	ØxSp. Mm.	Rotolo/Bancale mt.	Sp. mm. Alluminio	€/mt.
GASRI16R	GAS PE-X/AL/PE-X	Rot. preisolato	Maggiore di 26	16x2	50/700	0,20	2,17
GASRI20R	GAS PE-X/AL/PE-X	Rot. preisolato	Maggiore di 30	20x2	50/500	0,30	2,71
GASRI26R	GAS PE-X/AL/PE-X	Rot. preisolato	Maggiore di 36	26x3	25/250	0,40	5,09

Guaina isolamento tubo GAS avente diametro interno maggiore di 10 millimetri rispetto al diametro esterno della tubazione (norma UNI 7129-1:2015).

Guaina fissa BAMFLEX / BAMFLEX spiralled flexible sheath
GAS

Codice	Descrizione	Ø interno mm.	Ø esterno mm.	Rotolo/Bancale mt.	€/mt.
FLEXFI20	Guaina in PVC flessibile	20	24,7	30/2700	0,69
FLEXFI25	autoestinguente, di colore giallo,	25	30,3	30/2400	0,88
FLEXFI30	internamente liscia, per protezione ed	30	35,5	30/1500	1,23
FLEXFI35	isolamento tubi GAS. Conforme alle	35	40,7	30/1200	1,51
FLEXFI40	norme UNI-CIG 7129, norme UL 94-	40	46,2	30/600	1,78
FLEXFI50	VO, certificata dal politecnico di Milano	50	57	30/360	2,89
	(certificato N° 224/92).				

Guaina estensibile BAMFLEX / BAMFLEX extensible flexible sheath
GAS

Codice	Descrizione	Ø interno mm.	Ø esterno mm.	Rotolo mt.	€/mt.
FLEXES20	Guaina estensibile in polipropilene	20	29	50	0,65
FLEXES25	autoestinguente, di colore giallo,	25	35	50	0,84
FLEXES30	internamente liscia, per protezione ed	30	40	50	1,12
FLEXES40	isolamento tubi GAS. Conforme alle	35	50	50	1,71
	norme UNI-CIG 7129.				

GAS

Gomito intermedio / Equal elbow



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPG91600	GAS / TH	16x16	10/150	4,81
GMPG92000	GAS / TH	20x20	5/100	5,95
GMPG92600	GAS / TH	26x26	5/60	9,63
GMPG93200	GAS / TH	32x32	5/50	14,13

GAS

Gomito filettato maschio / Male elbow



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPGM1612	GAS / TH	16x1/2"	10/200	3,89
GMPGM2012	GAS / TH	20x1/2"	10/150	4,68
GMPGM2034	GAS / TH	20/3/4"	10/100	6,30
GMPGM2634	GAS / TH	26x3/4"	10/80	7,83
GMPGM3201	GAS / TH	32x1"	5/50	12,86

GAS

Gomito filettato femmina / Female elbow



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPGF1612	GAS / TH	16x1/2"	10/150	3,72
GMPGF2012	GAS / TH	20x1/2"	10/120	4,73
GMPGF2034	GAS / TH	20/3/4"	10/100	6,13
GMPGF2634	GAS / TH	26x3/4"	5/80	7,83
GMPGF3201	GAS / TH	32x1"	5/50	12,69

GAS

Gomito filettato femmina con flangia / Wall-plated female elbow



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPPA1612	GAS / TH	16x1/2"	10/80	5,69
GMPPA2012	GAS / TH	20x1/2"	10/60	6,48

GAS

Raccordo diritto intermedio / Equal straight union



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPMA1600	GAS / TH	16x16	10/200	3,89
GMPMA2000	GAS / TH	20x20	10/100	5,23
GMPMA2600	GAS / TH	26x26	10/100	8,66
GMPMA3200	GAS / TH	32x32	5/500	11,77

GAS

Raccordo diritto ridotto / Reducer



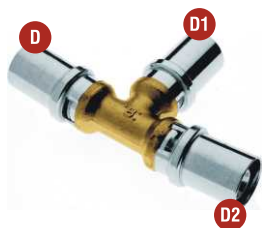
Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPRD2016	GAS / TH	20x16	10/150	5,56
GMPRD2620	GAS / TH	26x20	10/100	7,66
GMPRD3226	GAS / TH	32x26	5/60	13,30

Raccordo diritto filettato maschio / Male straight union
GAS

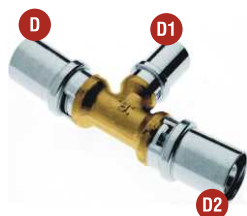

Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPMM1612	GAS / TH	16x1/2"	10/250	2,82
GMPMM2012	GAS / TH	20x1/2"	10/200	3,37
GMPMM2034	GAS / TH	20x3/4"	10/150	4,15
GMPMM2634	GAS / TH	26x3/4"	5/100	5,54
GMPMM2601	GAS / TH	26x1"	5/80	6,78
GMPMM3201	GAS / TH	32x1"	5/60	8,18

Raccordo diritto filettato femmina / Female straight union
GAS

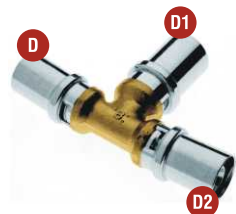

Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPMF1612	GAS / TH	16x1/2"	10/200	3,56
GMPMF2012	GAS / TH	20x1/2"	10/120	3,79
GMPMF2034	GAS / TH	20x3/4"	10/120	4,94
GMPMF2634	GAS / TH	26x3/4"	5/100	5,99
GMPMF2601	GAS / TH	26x1"	5/70	8,09
GMPMF3201	GAS / TH	32x1"	5/60	9,58

Raccordo a "T" intermedio / Equal Tee
GAS


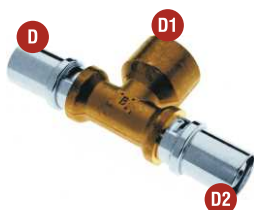
Codice	Serie / Profilo	Ø Dx D1xD2 mm.	Conf./Pieces	€/pz.
GMP161616	GAS / TH	16x16x16	10/100	6,08
GMP202020	GAS / TH	20x20x20	10/70	8,15
GMP262626	GAS / TH	26x26x26	5/40	12,91
GMP323232	GAS / TH	32x32x32	5/30	19,69

Raccordo a "T" intermedio 1 attacco ridotto / Unequal Tee
GAS


Codice	Serie / Profilo	Ø Dx D1xD2 mm.	Conf./Pieces	€/pz.
GMP201620	GAS / TH	20x16x20	5/80	8,27
GMP261626	GAS / TH	26x16x26	5/40	12,86
GMP262026	GAS / TH	26x20x26	5/40	12,82
GMP322032	GAS / TH	32x20x32	2/30	18,55
GMP322632	GAS / TH	32x26x32	2/30	18,81

Raccordo a "T" intermedio 1 attacco ingrandito / Unequal Tee
GAS


Codice	Serie	Ø Dx D1xD2 mm.	Conf./Pieces	€/pz.
GMP162016	GAS / TH	16x20x16	5/80	8,71
GMP202620	GAS / TH	20x26x20	5/50	13,56

Raccordo a "T" intermedio filettato femmina / Female Tee
GAS


Codice	Serie / Profilo	Ø Dx D1xD2 mm.	Conf./Pieces	€/pz.
GMPTF1612	GAS / TH	16x1/2"x16	5/100	6,52
GMPTF2012	GAS / TH	20x1/2"x20	10/80	7,74
GMPTF2034	GAS / TH	20x3/4"x20	5/50	8,73
GMPTF2634	GAS / TH	26x3/4"x26	5/30	10,33
GMPTF3201	GAS / TH	32x1"x32	2/30	20,48

GAS

Raccordo diritto femmina con dado girevole / Female straight with nut



Completo di guarnizione

Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPGI1612	GAS / TH	16x1/2"	10/200	4,16
GMPGI1634	GAS / TH	16x3/4"	10/200	5,47
GMPGI2034	GAS / TH	20x3/4"	10/120	6,83
GMPGI2634	GAS / TH	26x3/4"	10/100	9,84

GAS

Vavola con cassetta incasso e placca / Valve with built-in box and plate



HOME GAS

Codice	Descrizione	Ø mm.	Conf./Pieces	€/pz.
GMPVALV1	1 uscita	3/4" M x 3/4" M	1/5	55,13
GMPVALV3	3 uscite	3/4" M x 3x3/4" M	1/5	60,38

GAS

Tappo con guarnizione / Cap with gasket



Codice	Descrizione	Ø mm.	Conf./Pieces	€/pz.
GMPTAP34	Tappo per valvola a 3 uscite 3/4" M	3/4" F	10/40	2,57

GAS Codolo a saldare con dado e guarnizione per tubi rame / Weld on adapter with nut and gasket for copper pipe



Codice	Descrizione	Ø mm.	Conf./Pieces	€/pz.
GMPCOD12	Codolo per tubo rame Ø 12	3/4"	3/60	3,43
GMPCOD14	Codolo per tubo rame Ø 14	3/4"	3/60	3,52
GMPCOD16	Codolo per tubo rame Ø 16	3/4"	3/60	3,61
GMPCOD18	Codolo per tubo rame Ø 18	3/4"	3/60	3,69

GAS

Scatola di derivazione ad incasso / Built-in junction box



Codice	Descrizione	Conf./Pieces	€/pz.
GMPSCATO	Scatola di derivazione per gomito filettato femmina con flangia nelle misure 16x1/2" Cod. GMPPS1612 - 20x1/2" Cod. GMPPS2012 Il raccordo non è compreso nella scatola	1/15	14,70

GAS

Gomito filettato femmina prolungato con flangia / Wall-plated long elbow female



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
GMPPS1612	GAS / TH	16x1/2"	5/50	9,36
GMPPS2012	GAS / TH	20x1/2"	5/50	9,58

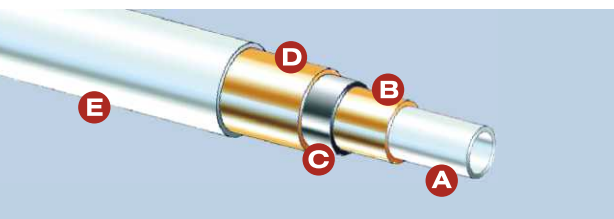
Raccordo per scatola di derivazione ad incasso Cod. GMPSCATO

GAS

Rosone cromato per scatola di derivazione / Chromium-plated plate for junction box



Codice	Descrizione	Conf./Pieces	€/pz.
GMPROSON	Rosone cromato per scatola di derivazione	10/40	6,37



PROCESS OF CROSSLINKING

The resistance of polyethylene to high temperatures and aggressive substances is conferred by the process of crosslinking able to strengthen the bond between the molecules in plastics and prolong its service life. The crosslinking of the multilayer pipe BALPEX is realized by means of two processes: electronic beams (PE-Xc) and silanes (PE-Xb). In both cases the use is guaranteed for plumbing as well as for the transport of drinking water, up to a maximum temperature of 95 ° C. The layer of aluminum, welded along the entire length, ensures the impermeability to oxygen, flexibility, keeping the shape after folding, and resistance to any loads or accidental impacts.

- A** Inner pipe in cross-linked PE (PE-Xc: electronic beams - PE-Xb: silanes)
- B D** Intermediate adhesive layer ensuring the homogeneous union between polyethylene and aluminum
- C** Aluminum tube welded along the entire length
- E** Outer pipe in cross-linked PE (PE-Xc: electronic beams - PE-Xb: silanes)

Tubo multistrato nudo in ROTOLI / Multilayer pipe in coil

PE-Xc

Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio	€/mt.
● MTNU1400	PE-Xc/AL/PE-Xc	Rotolo nudo	100/2500	14x2	0,4	1,72
MTNU1604	PE-Xc/AL/PE-Xc	Rotolo nudo	100/2200	16x2	0,4	1,83
MTNU1800	PE-Xc/AL/PE-Xc	Rotolo nudo	100/1700	18x2	0,4	2,10
MTNU2000	PE-Xc/AL/PE-Xc	Rotolo nudo	100/1500	20x2	0,4	2,27
MTNU2600	PE-Xc/AL/PE-Xc	Rotolo nudo	50/650	26x3	0,5	4,43
MTNU3200	PE-Xc/AL/PE-Xc	Rotolo nudo	50/650	32x3	0,7	7,38

Tubo multistrato nudo in ROTOLI / Multilayer pipe in coil

PE-Xb

Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio	€/mt.
● MTXB1400	PE-Xb/AL/PE-Xb	Rotolo nudo	100/2800	14x2	0,2	0,99
MTXB1600	PE-Xb/AL/PE-Xb	Rotolo nudo	100/2200	16x2	0,2	1,04
MTXB1800	PE-Xb/AL/PE-Xb	Rotolo nudo	100/1500	18x2	0,2	1,32
MTXB2000	PE-Xb/AL/PE-Xb	Rotolo nudo	100/1500	20x2	0,3	1,48
MTXB2600	PE-Xb/AL/PE-Xb	Rotolo nudo	50/600	26x3	0,3	2,74
MTXB3200	PE-Xb/AL/PE-Xb	Rotolo nudo	50/500	32x3	0,4	3,65

Tubo multistrato nudo in BARRE / Multilayer pipe in bar

PE-Xb / PE-Xc

Codice	Serie	Aspetto	Conf. mt.	ØxSp. mm.	Spessore mm. Alluminio	€/mt.
MTNU200B	PE-Xb/AL/PE-Xb	Barra nudo 4 mt.	40	20x2	0,3	1,84
MTNU260B	PE-Xb/AL/PE-Xb	Barra nudo 4 mt.	40	26x3	0,3	3,21
MTNU320B	PE-Xb/AL/PE-Xb	Barra nudo 4 mt.	32	32x3	0,4	4,86
MTNU400B	PE-Xc/AL/PE-Xc	Barra nudo 4 mt.	36	40x3,5	0,7	13,08
MTNU500B	PE-Xc/AL/PE-Xc	Barra nudo 4 mt.	28	50x4	0,9	18,28
MTNU630B	PE-Xc/AL/PE-Xc	Barra nudo 4 mt.	16	63x4,5	1,2	27,83

Tubo multistrato preisolato in ROTOLI / Pre-insulated multilayer pipe in coil

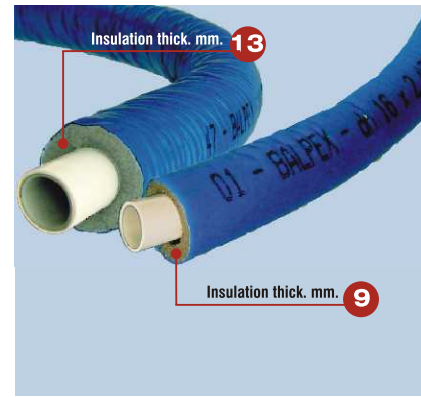
PE-Xc

Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio / Isolante	€/mt.
● MTRI1400	PE-Xc/AL/PE-Xc	Rotolo preisolato	50/700	14x2	0,4 6	2,18
MTRI1604	PE-Xc/AL/PE-Xc	Rotolo preisolato	50/700	16x2	0,4 6	2,21
MTRI1800	PE-Xc/AL/PE-Xc	Rotolo preisolato	50/650	18x2	0,4 6	2,72
MTRI2000	PE-Xc/AL/PE-Xc	Rotolo preisolato	50/500	20x2	0,4 9 R	2,99
MTRI2600	PE-Xc/AL/PE-Xc	Rotolo preisolato	25/275	26x3	0,5 9 R	5,70
MTRI3200	PE-Xc/AL/PE-Xc	Rotolo preisolato	25/250	32x3	0,7 9 R	9,85

Legge 10/91

TECHNICAL DATA ABOUT PIPE INSULATION

The multilayer pipes BALPEX have a coefficient of thermal conductivity of 0.43 W / mK and can be supplied also with insulation up to outside pipe diameter 32mm, for all those uses where it is necessary to minimize heat loss winter and summer. For heating and plumbing systems the thickness of the insulation shall be in accordance to what indicated in Table 1 of Annex B of the DPR 412/93 (pursuant to art. 4, paragraph 4 of Law 10/91), with reference to "pipe within structures overlooking neither out nor on unheated rooms." The tubes with insulation thickness 9 mm and 13 mm can also be used for refrigeration systems. **R** To avoid condensation phenomena it is still necessary to consult the designer for the calculation of the suitable thickness according to the specifically provided installation and operating conditions.



Caratteristiche tecniche del preisolamento sui tubi multistrato

Insulation material	closed cell polyethylene foam
External film material	scrathc-resistant polyethylene
Conductivity coefficient at 40°C	0,0397 W/mK
Reaction to fire	Self-extinguishing Class 1
Thermal resistance	from -45°C to +95°C
Production method	realized without the use of CFCs
Further features	odorless, non-toxic and completely recyclable

With regard to the thickness of the insulating layer and the installation methods, refer to the technical regulations applicable to the use and mandatory legislation at the time of installation.

PE-Xb BLU Tubo multistrato preisolato in ROTOLI / *Pre-insulated multilayer pipe in coil*



Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio / Isolante		€/mt.
● MTRIXB14	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	50/700	14x2	0,2	6	1,37
MTRIXB16	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	50/700	16x2	0,2	6	1,44
MTRIXB18	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	50/650	18x2	0,2	6	1,87
+ MTRIXB620	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	50/700	20x2	0,3	6	1,83
MTRIXB20	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	50/500	20x2	0,3	9 R	2,14
MTRIXB20R	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	50/400	20x2	0,3	13 R	2,56
MTRIXB26	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	25/275	26x3	0,3	9 R	3,80
MTRIXB26R	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	25/250	26x3	0,3	13 R	4,51
MTRIXB32	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	25/250	32x3	0,4	9 R	6,08
MTRIXB32R	PE-Xb/AL/PE-Xb	Rotolo preis. Blu	25/250	32x3	0,4	13 R	6,34

PE-Xb ROSSO Tubo multistrato preisolato in ROTOLI / *Pre-insulated multilayer pipe in coil*



Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio / Isolante		€/mt.
MTRRXB16	PE-Xb/AL/PE-Xb	Rot. preis. Rosso	50/700	16x2	0,2	6	1,44
MTRRXB20	PE-Xb/AL/PE-Xb	Rot. preis. Rosso	50/500	20x2	0,3	9 R	2,14
MTRRXB26	PE-Xb/AL/PE-Xb	Rot. preis. Rosso	25/275	26x3	0,3	9 R	3,80

PE-Xb BIANCO Tubo multistrato preisolato in ROTOLI / *Pre-insulated multilayer pipe in coil*



Codice	Serie	Aspetto	Rotolo/Bancale mt.	ØxSp. mm.	Spessore mm. Alluminio / Isolante		€/mt.
MTRBxB16	PE-Xb/AL/PE-Xb	Rot. preis. Bianco	50/700	16x2	0,2	6	1,44
+ MTRBxB620	PE-Xb/AL/PE-Xb	Rot. preis. Bianco	50/700	20x2	0,3	6	1,83
MTRBxB26	PE-Xb/AL/PE-Xb	Rot. preis. Bianco	25/275	26x3	0,3	9 R	3,80
MTRBxB32	PE-Xb/AL/PE-Xb	Rot. preis. Bianco	25/250	32x3	0,4	9 R	6,08

Gomito intermedio / Equal elbow
Serie MP


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPG91400	MP / TH	14x14	10/150	9,31
MPG91600	MP / TH	16x16	10/150	4,35
MPG91800	MP / TH	18x18	10/100	6,30
MPG92000	MP / TH	20x20	10/120	5,33
MPG92600	MP / TH	26x26	5/80	8,65
MPG93200	MP / TH	32x32	5/50	12,73
MPG94000M	MP / TH	40x40	2/20	23,10
MPG95000M	MP / TH	50x50	2/16	34,39
MPG96300M	MP / TH	63x63	2/10	60,99

Gomito filettato maschio / Male elbow
Serie MP


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPGM1412	MP / TH	14x1/2"	10/150	8,58
MPGM1612	MP / TH	16x1/2"	10/200	3,47
MPGM1812	MP / TH	18x1/2"	10/150	4,84
MPGM2012	MP / TH	20x1/2"	10/150	4,19
MPGM2034	MP / TH	20x3/4"	10/100	5,82
MPGM2634	MP / TH	26x3/4"	5/80	7,09
MPGM3201	MP / TH	32x1"	5/50	11,80

Gomito filettato femmina / Female elbow
Serie MP


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPGF1412	MP / TH	14x1/2"	10/120	8,66
MPGF1612	MP / TH	16x1/2"	10/150	3,40
MPGF1812	MP / TH	18x1/2"	10/120	4,85
MPGF2012	MP / TH	20x1/2"	10/120	4,17
MPGF2034	MP / TH	20x3/4"	10/100	5,64
MPGF2634	MP / TH	26x3/4"	5/80	7,26
MPGF3201	MP / TH	32x1"	5/50	11,42
MPGF4014M	MP / TH	40x1" 1/4	2/20	25,81
MPGF5012M	MP / TH	50x1" 1/2	2/16	35,70
MPGF6302M	MP / TH	63x2"	2/10	58,01

Gomito filettato femmina con flangia / Wall-plated female elbow
Serie MP


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
MPPA1612	MP / TH	16x1/2"	5/80	5,22
MPPA2012	MP / TH	20x1/2"	5/60	5,91

Serie MP

Gomito doppio filettato femmina con flangia / Double flanged fitting



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
MPPA1616	MP / TH	16x1/2"x16	5/50	9,01
MPPA2020	MP / TH	20x1/2"x20	5/50	11,73

Serie MP

Raccordo con staffa / End fitting with wall mounting bracket



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
MPSTA1612	MP / TH	16x1/2"	5/80	17,85
MPSTA2012	MP / TH	20x1/2"	5/80	19,51

Serie MP

Raccordo diritto intermedio / Equal straight union



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPMA1400	MP / TH	14x14	10/200	8,49
MPMA1600	MP / TH	16x16	10/200	3,46
MPMA1800	MP / TH	18x18	10/200	5,08
MPMA2000	MP / TH	20x20	10/120	4,59
MPMA2600	MP / TH	26x26	10/100	7,83
MPMA3200	MP / TH	32x32	5/50	10,81
MPMA4000M	MP / TH	40x40	2/30	19,78
MPMA5000M	MP / TH	50x50	2/20	26,21
MPMA6300M	MP / TH	63x63	2/14	47,78

Serie MP

Raccordo diritto ridotto / Reducer



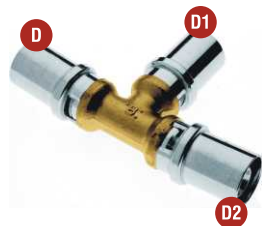
Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPRD1614	MP / TH	16x14	10/150	9,36
MPRD1816	MP / TH	18x16	10/150	5,47
MPRD2016	MP / TH	20x16	10/150	4,99
MPRD2018	MP / TH	20x18	10/150	5,60
MPRD2616	MP / TH	26x16	10/100	7,22
MPRD2620	MP / TH	26x20	10/100	6,87
MPRD3220	MP / TH	32x20	5/60	12,25
MPRD3226	MP / TH	32x26	5/60	12,21
MPRD4026M	MP / TH	40x26	2/30	16,98
MPRD4032M	MP / TH	40x32	2/30	18,81
MPRD5026M	MP / TH	50x26	2/20	26,60
MPRD5032M	MP / TH	50x32	2/20	22,05
MPRD5040M	MP / TH	50x40	2/20	23,01
MPRD6340M	MP / TH	63x40	2/14	38,68
MPRD6350M	MP / TH	63x50	2/14	43,05

Raccordo diritto filettato maschio / Male straight union
Serie MP


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPMM1412	MP / TH	14x1/2"	10/150	7,00
MPMM1612	MP / TH	16x1/2"	10/250	2,43
MPMM1638	MP / TH	16x3/8"	10/250	3,46
MPMM1812	MP / TH	18x1/2"	10/200	3,33
MPMM1834	MP / TH	18x3/4"	10/200	3,81
MPMM2012	MP / TH	20x1/2"	10/200	2,91
MPMM2034	MP / TH	20x3/4"	10/150	3,76
MPMM2634	MP / TH	26x3/4"	5/100	5,21
MPMM2601	MP / TH	26x1"	5/80	6,39
MPMM3201	MP / TH	32x1"	5/60	7,57
MPMM4014M	MP / TH	40x1" 1/4	2/20	14,61
MPMM5012M	MP / TH	50x1" 1/2	2/20	24,06
MPMM6302M	MP / TH	63x2"	2/14	41,13

Raccordo diritto filettato femmina / Female straight union
Serie MP

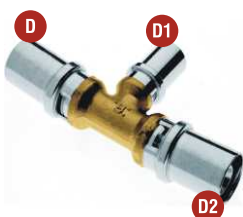

Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPMF1412	MP / TH	14x1/2"	10/200	7,04
MPMF1612	MP / TH	16x1/2"	10/200	3,26
MPMF1812	MP / TH	18x1/2"	10/150	4,10
MPMF1834	MP / TH	18x3/4"	10/120	5,69
MPMF2012	MP / TH	20x1/2"	10/150	3,35
MPMF2034	MP / TH	20x3/4"	10/120	4,62
MPMF2634	MP / TH	26x3/4"	5/100	5,60
MPMF2601	MP / TH	26x1"	5/70	7,70
MPMF3201	MP / TH	32x1"	5/60	8,93
MPMF4014M	MP / TH	40x1" 1/4	2/30	14,39
MPMF5012M	MP / TH	50x1" 1/2	2/20	20,91
MPMF6302M	MP / TH	63x2"	2/14	36,23

Raccordo a "T" intermedio / Equal Tee
Serie MP


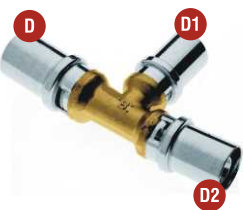
Codice	Serie / Profilo	Ø Dx D1xD2 mm.	Conf./Pieces	€/pz.
● MP141414	MP / TH	14x14x14	10/100	10,85
MP161616	MP / TH	16x16x16	10/100	5,34
MP181818	MP / TH	18x18x18	10/80	8,14
MP202020	MP / TH	20x20x20	5/50	7,04
MP262626	MP / TH	26x26x26	2/40	11,38
MP323232	MP / TH	32x32x32	5/30	17,72
MP404040M	MP / TH	40x40x40	2/16	30,36
MP505050M	MP / TH	50x50x50	2/12	43,58
MP636363M	MP / TH	63x63x63	2/8	81,55

BALPEX**Serie MP****Raccordo a "T" intermedio 1 attacco ingrandito / Unequal Tee**

Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
MP162016	MP / TH	16x20x16	5/80	7,88
MP202620	MP / TH	20x26x20	5/50	12,16
MP263226	MP / TH	26x32x26	2/30	16,98

Serie MP**Raccordo a "T" intermedio 1 attacco ridotto / Unequal Tee**

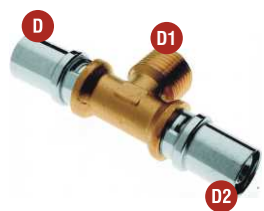
Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
● MP161416	MP / TH	16x14x16	10/50	16,19
MP181618	MP / TH	18x16x18	10/80	8,05
MP201620	MP / TH	20x16x20	5/80	7,13
MP201820	MP / TH	20x18x20	5/70	8,05
MP261626	MP / TH	26x16x26	5/50	11,64
MP262026	MP / TH	26x20x26	5/50	11,55
MP322032	MP / TH	32x20x32	2/30	17,06
MP322632	MP / TH	32x26x32	2/30	17,24
MP402640M	MP / TH	40x26x40	2/16	28,00
MP403240M	MP / TH	40x32x40	2/16	30,28
MP503250M	MP / TH	50x32x50	2/14	38,24
MP504050M	MP / TH	50x40x50	2/12	39,38
MP633263M	MP / TH	63x32x63	2/8	69,13
MP634063M	MP / TH	63x40x63	2/8	70,96
MP635063M	MP / TH	63x50x63	2/8	78,31

Serie MP**Raccordo a "T" intermedio 2 attacchi ridotti / Unequal Tee**

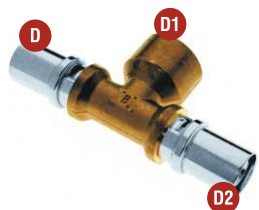
Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
● MP161414	MP / TH	16x14x14	10/60	16,01
MP181616	MP / TH	18x16x16	10/100	7,53
MP201616	MP / TH	20x16x16	5/80	7,24
MP201818	MP / TH	20x18x18	5/70	8,05
MP262020	MP / TH	26x20x20	5/50	11,81
MP322626	MP / TH	32x26x26	2/30	17,33

Serie MP**Raccordo a "T" intermedio 2 attacchi ingranditi / Unequal Tee**

Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
MP202016	MP / TH	20x20x16	5/80	7,61
MP262616	MP / TH	26x26x16	5/50	11,94
MP262620	MP / TH	26x26x20	5/50	11,99

Raccordo a "T" intermedio filettato maschio / Male Tee
Serie MP


Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
MPTM1612	MP / TH	16x1/2"x16	5/100	6,04
MPTM1812	MP / TH	18x1/2"x18	5/80	8,84
MPTM2012	MP / TH	20x1/2"x20	5/80	7,26
MPTM2034	MP / TH	20x3/4"x20	5/50	7,79
MPTM2634	MP / TH	26x3/4"x26	5/50	11,24
MPTM3201	MP / TH	32x1"x32	2/30	17,24

Raccordo a "T" intermedio filettato femmina / Female Tee
Serie MP


Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
MPTF1612	MP / TH	16x1/2"x16	5/100	5,91
MPTF1812	MP / TH	18x1/2"x18	5/80	7,09
MPTF2012	MP / TH	20x1/2"x20	5/80	7,00
MPTF2034	MP / TH	20x3/4"x20	5/50	8,01
MPTF2634	MP / TH	26x3/4"x26	5/50	9,41
MPTF3201	MP / TH	32x1"x32	2/30	19,16
MPTF4014M	MP / TH	40x1" 1/4x40	2/14	37,54
MPTF5012M	MP / TH	50x1" 1/2x50	2/12	55,91
MPTF6302M	MP / TH	63x2"x63	2/8	81,29

Raccordo diritto femmina con dado / Female straight with nut
Serie MP


Completo di guarnizione

Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
MPGI1612	MP / TH	16x1/2"	10	3,81
MPGI1634	MP / TH	16x3/4"	10/150	5,16
MPGI2012	MP / TH	20x1/2"	10	5,60
MPGI2034	MP / TH	20x3/4"	10	6,61
MPGI2634	MP / TH	26x3/4"	10	10,24
MPGI3214	MP / TH	32x1" 1/4	10	17,06

Valvola incasso con cappuccio / Concealed valve
Serie MP


Estraibile

Codice	Descrizione	Ø mm.	Conf./Pieces	€/pz.
MPRB1600	Valvola incasso serie MP / Profilo TH	16x16	4/48	22,31
MPRB2000	Valvola incasso serie MP / Profilo TH	20x20	4/48	23,19

Ricambi Valvola incasso con cappuccio

MPRB16CA	Cappuccio	16-20	1	2,32
MPRB16RO	Rosone	16-20	1	2,49
MPRBPROL	Prolunga	16-20	1	10,46

Bussola a pressione in acciaio inox (ricambio) / Stainless steel sleeve (spare part)
Serie MP

Foto bussola dal D14 al D32



Foto bussola dal D40 al D63



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
● MPBUSS14	MP / TH	14	10	1,05
MPBUSS16	MP / TH	16	10	1,18
MPBUSS18	MP / TH	18	10	1,27
MPBUSS20	MP / TH	20	10	1,61
MPBUSS26	MP / TH	26	1	1,79
MPBUSS32	MP / TH	32	1	2,39
MPBUSS40	MP / TH	40	1	3,85
MPBUSS50	MP / TH	50	1	5,95
MPBUSS63	MP / TH	63	1	10,41

PRESS FITTINGS



Press fittings are the safest and most reliable joining method for all fields of application of BALPEX system and are the **only choice for concealed installations**.

Series MP

TH Profile



They represent the top of the range relatively to weight, mechanical strength and durability. The outer sleeve, made of stainless steel for maximum mechanical seal, is provided with side windows for visual inspection of the complete insertion of the pipe and is pre-formed with a guide for pressing with TH profile jaws. The two O-rings pre-mounted in the inner brass body ensure the hydraulic seal of the fitting, while the flat head gasket protects the aluminum from possible stray currents. Designed and manufactured according to resistance criteria, durability and ease of installation, they are available from diameter 16 to 63mm in diameter.



Series LP

U-TH-H Profile



MULTIPROFILE

Multiprofile fittings of the LP series combines high quality technical performance with ease of installation and commercial prices of absolute advantage. The stainless steel sleeve is equipped with a ring made of synthetic material that allows visual verification of the correct insertion of the tube, isolates the aluminum from possible stray currents and works as a guide for the pressing with U-TH-H profiles jaws. The two O-rings pre-mounted in the internal body guarantee the necessary hydraulic seal both in sanitary and heating systems.

COMPRESSION FITTINGS



Series BL

The compression fittings represent the most practical and economic way of connection between pipe and fitting, for all plants for which an installation outside track is provided, given that the connection is achieved by means of simple screwing keys.

Reliability, easy installation and competitive price characterize the compression fittings series BL. The body and the cap are produced in one piece in order to limit the assembly operations, the ring, thanks to the flat section, can be inserted either in both directions and the clamping nut ensures the necessary hydraulic and mechanical seals. Such as press fittings, the compression fittings are fitted with a synthetic gasket to prevent the transmission of electrical currents between the brass of the fitting and the aluminum of the pipes.

Gomito intermedio / Equal elbow
Serie LP Multipinza


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPG91600	LP / U-TH-H	16x16	10/120	2,70
▶ LPG91800	LP / U-TH-H	18x18	10/70	3,06
LPG92000	LP / U-TH-H	20x20	5/70	3,54
LPG92600	LP / U-TH-H	26x26	5/50	5,99
LPG93200	LP / U-TH-H	32x32	5/40	9,16

Gomito filettato maschio / Male elbow
Serie LP Multipinza


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPGM1612	LP / U-TH-H	16x1/2"	10/100	2,66
▶ LPGM1812	LP / U-TH-H	18x1/2"	10/100	3,02
LPGM2012	LP / U-TH-H	20x1/2"	10/100	3,24
LPGM2034	LP / U-TH-H	20x3/4"	10/100	4,07
LPGM2634	LP / U-TH-H	26x3/4"	5/70	5,21
LPGM3201	LP / U-TH-H	32x1"	5/40	9,63

Gomito filettato femmina / Female elbow
Serie LP Multipinza


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPGF1612	LP / U-TH-H	16x1/2"	10/120	2,58
▶ LPGF1812	LP / U-TH-H	18x1/2"	10/70	2,98
LPGF2012	LP / U-TH-H	20x1/2"	10/100	3,46
LPGF2034	LP / U-TH-H	20x3/4"	10/70	4,20
LPGF2634	LP / U-TH-H	26x3/4"	5/70	5,43
LPGF3201	LP / U-TH-H	32x1"	5/45	9,80

Gomito filettato femmina con flangia / Wall-plated female elbow
Serie LP Multipinza


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPPA1612	LP / U-TH-H	16x1/2"	5/70	3,98
LPPA2012	LP / U-TH-H	20x1/2"	5/70	4,81

Raccordo diretto intermedio / Equal union
Serie LP Multipinza


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPMA1600	LP / U-TH-H	16x16	10/150	2,00
▶ LPMA1800	LP / U-TH-H	18x18	10/100	2,32
LPMA2000	LP / U-TH-H	20x20	10/120	2,71
LPMA2600	LP / U-TH-H	26x26	5/70	4,33
LPMA3200	LP / U-TH-H	32x32	5/45	6,78

Raccordo diretto ridotto / Reducer
Serie LP Multipinza


Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
▶ LPRD1816	LP / U-TH-H	18x16	10/100	2,49
LPRD2016	LP / U-TH-H	20x16	10/120	2,76
▶ LPRD2018	LP / U-TH-H	20x18	10/100	3,02
LPRD2616	LP / U-TH-H	26x16	5/70	3,72
LPRD2620	LP / U-TH-H	26x20	5/70	3,98
LPRD3220	LP / U-TH-H	32x20	5/60	6,39
LPRD3226	LP / U-TH-H	32x26	5/60	6,04

BALPEX

Serie LP Multipinza

Raccordo diritto filettato maschio / Male straight union



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPMM1612	LP / U-TH-H	16x1/2"	10/150	1,91
▶ LPMM1812	LP / U-TH-H	18x1/2"	10/100	2,14
LPMM2012	LP / U-TH-H	20x1/2"	10/150	2,23
LPMM2034	LP / U-TH-H	20x3/4"	10/120	2,67
LPMM2634	LP / U-TH-H	26x3/4"	5/100	3,85
LPMM2601	LP / U-TH-H	26x1"	5/70	4,51
LPMM3201	LP / U-TH-H	32x1"	5/80	5,51

Serie LP Multipinza

Raccordo diritto filettato femmina / Female straight union



Codice	Serie / Profilo	Ø mm.	Conf./Pieces	€/pz.
LPMF1612	LP / U-TH-H	16x1/2"	10/200	2,14
▶ LPMF1812	LP / U-TH-H	18x1/2"	10/120	2,28
LPMF2012	LP / U-TH-H	20x1/2"	10/150	2,30
LPMF2034	LP / U-TH-H	20x3/4"	10/120	3,06
LPMF2634	LP / U-TH-H	26x3/4"	5/100	4,03
LPMF2601	LP / U-TH-H	26x1"	5/100	5,34
LPMF3201	LP / U-TH-H	32x1"	5/80	5,82

Serie LP Multipinza

Raccordo a "T" intermedio / Equal Tee



Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
LP161616	LP / U-TH-H	16x16x16	5/120	3,66
▶ LP181818	LP / U-TH-H	18x18x18	5/50	4,11
LP202020	LP / U-TH-H	20x20x20	5/100	4,68
LP262626	LP / U-TH-H	26x26x26	5/70	8,31
LP323232	LP / U-TH-H	32x32x32	5//25	13,56

Serie LP Multipinza

Raccordo a "T" intermedio 1 attacco ridotto / Unequal Tee



Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
LP201620	LP / U-TH-H	20x16x20	5/100	4,59
▶ LP201820	LP / U-TH-H	20x18x20	5/70	4,99
LP261626	LP / U-TH-H	26x16x26	5/70	7,96
LP262026	LP / U-TH-H	26x20x26	5/70	8,05
▶ LP321632	LP / U-TH-H	32x16x32	5/35	9,63
LP322032	LP / U-TH-H	32x20x32	5/25	11,73
LP322632	LP / U-TH-H	32x26x32	5/30	12,86

Serie LP Multipinza

Raccordo a "T" intermedio 1 attacco ingrandito / Unequal Tee



Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
LP202620	LP / U-TH-H	20x26x20	5/70	8,18

Serie LP Multipinza

Raccordo a "T" intermedio 2 attacchi ridotti / Unequal Tee



Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
▶ LP181616	LP / U-TH-H	18x16x16	5/70	4,03
LP201616	LP / U-TH-H	20x16x16	5/120	4,42
LP262020	LP / U-TH-H	26x20x20	5/70	7,74
LP322626	LP / U-TH-H	32x26x26	5/40	10,68

Raccordo a "T" intermedio 2 attacchi ingranditi / Unequal Tee

Serie LP Multipinza



Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
LP202016	LP / U-TH-H	20x20x16	5/100	5,38
LP262620	LP / U-TH-H	26x26x20	5/70	8,14

Raccordo a "T" intermedio filettato femmina / Female Tee

Serie LP Multipinza



Codice	Serie / Profilo	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
LPTF1612	LP / U-TH-H	16x1/2"x16	5/120	3,76
▶ LPTF1812	LP / U-TH-H	18x1/2"x18	5/50	4,29
LPTF2012	LP / U-TH-H	20x1/2"x20	5/120	4,73
▶ LPTF2034	LP / U-TH-H	20x3/4"x20	5/100	5,86
LPTF2634	LP / U-TH-H	26x3/4"x26	5/70	8,66
LPTF3201	LP / U-TH-H	32x1"x32	5/25	13,96

Rubinetto universale per raccordi serie MP/LP/BL e gamma PPR Greentherm / Concealed valve for all series



Completo di cappuccio

Codice	Descrizione	Ø mm.	Conf./Pieces	€/pz.
LPRB12CA	Rubinetto universale	1/2"	20	13,52
LPRB34CA	Rubinetto universale	3/4"	10	14,53

Ricambi Rubinetto universale con cappuccio

LPRBCACA	Cappuccio		1/5	3,43
LPRBRO00	Rosone		1/5	3,47
LPVICA12	Vitone	1/2"	1/5	3,79
LPVICA34	Vitone	3/4"	1/5	3,96
LPRBPROL	Prolunga		1/5	6,51

Rubinetto universale per raccordi serie MP/LP/BL e gamma PPR Greentherm / Concealed valve for all series



Completo di maniglia

Codice	Descrizione	Ø mm.	Conf./Pieces	€/pz.
LPRB12MA	Rubinetto universale	1/2"	20	19,43
LPRB34MA	Rubinetto universale	3/4"	10	21,61

Ricambi Rubinetto universale con maniglia

LPRBCAMA	Cappuccio		1/5	2,98
LPRBRO00	Rosone		1/5	3,47
LPVIMA12	Vitone	1/2"	1/5	4,73
LPVIMA34	Vitone	3/4"	1/5	5,53
LPRBPROL	Prolunga		1/5	6,51
LPRBMA00	Maniglia		1/5	3,07

Bussole a pressione in acciaio inox (ricambio) / Stainless steel sleeve (spare part)



Codice	Serie / Profilo	Ø mm.	Conf. Pieces	€/pz.
LPBUSS16N	LP / U-TH-H	16	1	0,71
LPBUSS20N	LP / U-TH-H	20	1	0,85
LPBUSS26N	LP / U-TH-H	26	1	1,12
LPBUSS32N	LP / U-TH-H	32	1	1,61

Le bussole con profilo multipinza U-TH-H non sono compatibili con raccordi TH.



Codice	Serie / Profilo	Ø mm.	Conf. Pieces	€/pz.
LPBUSS16	LP / TH	16	1	0,71
LPBUSS18	LP / TH	18	1	0,81
LPBUSS20	LP / TH	20	1	0,85
LPBUSS32	LP / TH	32	1	1,61

Le bussole con profilo TH non sono compatibili con raccordi multipinza U-TH-H.

BALPEX

Serie BL

Gomito intermedio / Equal elbow



Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
● BLG91400	BL	14x14	10/100	5,47
BLG91600	BL	16x16	10/100	2,89
BLG91800	BL	18x18	10/100	6,48
BLG92000	BL	20x20	10/70	5,16
BLG92600	BL	26x26	5/40	7,09
BLG93200	BL	32x32	5/20	13,56

Serie BL

Gomito filettato maschio / Male elbow



Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
● BLGM1412	BL	14x1/2"	10/200	3,83
BLGM1612	BL	16x1/2"	10/120	2,06
BLGM1812	BL	18x1/2"	10/140	4,80
BLGM1834	BL	18/3/4"	10/120	5,03
BLGM2012	BL	20x1/2"	10/80	3,37
BLGM2034	BL	20x3/4"	10/70	3,48
BLGM2634	BL	26x3/4"	5/40	5,03
BLGM2601	BL	26x1"	5/35	7,53
BLGM3201	BL	32x1"	5/30	12,60

Serie BL

Gomito filettato femmina / Female elbow



Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
● BLGF1412	BL	14x1/2"	10/100	4,36
BLGF1612	BL	16x1/2"	10/100	2,61
BLGF1634	BL	16x3/4"	10/80	3,12
BLGF1812	BL	18x1/2"	10/80	3,49
BLGF1834	BL	18x3/4"	10/120	5,47
BLGF2012	BL	20x1/2"	10/60	3,48
BLGF2034	BL	20x3/4"	10/50	3,81
BLGF2634	BL	26x3/4"	5/40	5,58
BLGF2601	BL	26x1"	5/35	6,83
BLGF3201	BL	32x1"	5/25	12,78

Serie BL

Gomito filettato femmina con flangia / Wall-plated female elbow



Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
BLFL1612	BL	16x1/2"	10/70	3,02
● BLFL1812	BL	18x1/2"	10/80	5,78
BLFL2012	BL	20x1/2"	5/50	4,03

Serie BL

Gomito doppio filettato femmina con flangia / Double flanged fitting



Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
BLFL1616	BL	16x1/2"x16	5/30	6,43
BLFL1818	BL	18x1/2"x18	5/50	6,83

Raccordo diritto intermedio / Equale straight union
Serie BL


Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
● BLMA1400	BL	14x14	10/200	4,46
BLMA1600	BL	16x16	10/120	2,41
BLMA1800	BL	18x18	10/100	5,50
BLMA2000	BL	20x20	10/100	4,22
BLMA2600	BL	26x26	10/50	6,99
BLMA3200	BL	32x32	5/40	19,21

Raccordo diritto filettato maschio / Male straight union
Serie BL


Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
● BLMM1412	BL	14x1/2"	10/180	1,74
BLMM1612	BL	16x1/2"	10/180	1,41
BLMM1634	BL	16x3/4"	10/140	2,09
BLMM1812	BL	18x1/2"	10/140	2,16
BLMM1834	BL	18x3/4"	10/100	3,31
BLMM2012	BL	20x1/2"	10/120	2,39
BLMM2034	BL	20x3/4"	10/120	2,71
BLMM2634	BL	26x3/4"	10/70	4,02
BLMM2601	BL	26x1"	10/60	4,03
BLMM3201	BL	32x1"	5/50	5,82

Raccordo diritto filettato femmina / Female straight union
Serie BL


Codice	Serie	Ø mm.	Conf./Pieces	€/pz.
● BLMF1412	BL	14x1/2"	10/250	3,32
BLMF1612	BL	16x1/2"	10/160	1,58
BLMF1634	BL	16x3/4"	10/120	2,32
BLMF1812	BL	18x1/2"	10/140	2,44
BLMF1834	BL	18x3/4"	10/200	4,58
BLMF2012	BL	20x1/2"	10/120	2,56
BLMF2034	BL	20x3/4"	10/120	2,79
BLMF2634	BL	26x3/4"	10/70	4,03
BLMF2601	BL	26x1"	10/60	4,86
BLMF3201	BL	32x1"	5/40	6,04

Serie BL

Raccordo a "T" intermedio / Tee fitting



Codice	Serie	Descrizione	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
● BL141414	BL		14x14x14	5/100	7,70
BL161616	BL		16x16x16	10/70	4,18
BL181818	BL		18x18x18	5/50	7,53
BL202020	BL		20x20x20	5/40	6,91
BL262626	BL		26x26x26	5/25	10,01
BL323232	BL		32x32x32	5/20	30,17
BL201620	BL	1 attacco ridotto	20x16x20	5/50	9,38
BL201616	BL	2 attacchi ridotti	20x16x16	5/60	9,28
BL202016	BL	2 attacchi ingranditi	20x20x16	5/60	10,28
BL262026	BL	1 attacco ridotto	26x20x26	5/40	15,53

Serie BL

Raccordo a "T" intermedio filettato maschio / Male Tee



Codice	Serie	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
● BLTM1412	BL	14x1/2"x14	10/100	4,90
BLTM1612	BL	16x1/2"x16	10/70	5,78
BLTM1812	BL	18x1/2"x18	10/80	7,39
● BLTM1834	BL	18x3/4"x18	5/70	7,53
BLTM2012	BL	20x1/2"x20	5/40	8,02
BLTM2034	BL	20x3/4"x20	5/70	9,15
BLTM2634	BL	26x3/4"x26	5/40	13,33
BLTM3201	BL	32x1"x32	5/20	22,73

Serie BL

Raccordo a "T" intermedio filettato femmina / Female Tee



Codice	Serie	Ø Dx D1 x D2 mm.	Conf./Pieces	€/pz.
● BLTF1412	BL	14x1/2"x14	10/100	6,11
BLTF1612	BL	16x1/2"x16	10/70	3,85
BLTF1812	BL	18x1/2"x18	10/80	7,68
● BLTF1834	BL	18x3/4"x18	5/70	7,53
BLTF2012	BL	20x1/2"x20	5/40	5,76
BLTF2034	BL	20x3/4"x20	5/35	6,21
BLTF2634	BL	26x3/4"x26	5/30	10,81
BLTF2601	BL	26x1"x26	5/40	14,25
BLTF3201	BL	32x1"x32	5/20	23,31

Collettori con rubinetti di chiusura / Manifolds with stop valves



I collettori Balpex a 2, 3 e 4 vie, attraverso dei dischetti indicatori l'apparecchio sanitario collegato (di colore rosso oppure blu sui due fronti del dischetto), si possono utilizzare per l'allaccio di acqua calda e fredda.

Collettore con rubinetti di chiusura / Manifolds with stop valves

2 vie / 2-way



Codice	D	D1	Interasse mm.	Larghezza mm.	Conf./Pieces	€/pz.
MPCOM234	3/4"	1/2"	35	90	1/20	10,76
MPCOM201	1"	1/2"	35	90	5/50	17,12

Escluso KIT / Without KIT

Collettore con rubinetti di chiusura / Manifolds with stop valves

3 vie / 3-way

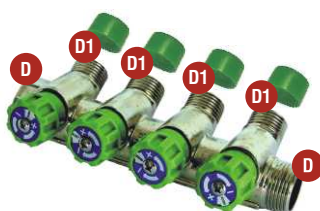


Codice	D	D1	Interasse mm.	Larghezza mm.	Conf./Pieces	€/pz.
MPCOM334	3/4"	1/2"	35	127	1/20	16,01
MPCOM301	1"	1/2"	35	127	5/50	22,99

Escluso KIT / Without KIT

Collettore con rubinetti di chiusura / Manifolds with stop valves

4 vie / 4-way



Codice	D	D1	Interasse mm.	Larghezza mm.	Conf./Pieces	€/pz.
MPCOM434	3/4"	1/2"	35	163	1/20	21,35
MPCOM401	1"	1/2"	35	160	5/50	29,58

Escluso KIT / Without KIT

Collettore semplice / Manifolds

2 vie / 2-way

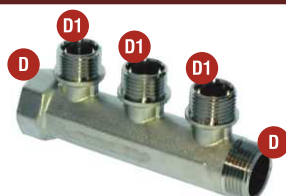


Codice	D	D1	Interasse mm.	Larghezza mm.	Conf./Pieces	€/pz.
MPCO2V34	3/4"	1/2"	35	90	5/40	5,32
MPCO2V11	1"	1/2"	35	90	5/50	9,01

Escluso KIT / Without KIT

Collettore semplice / Manifolds

3 vie / 3-way

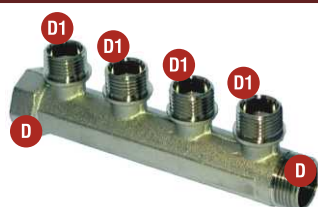


Codice	D	D1	Interasse mm.	Larghezza mm.	Conf./Pieces	€/pz.
MPCO3V34	3/4"	1/2"	35	127	5/40	7,91
MPCO3V11	1"	1/2"	35	127	5/50	12,57

Escluso KIT / Without KIT

Collettore semplice / Manifolds

4 vie / 4-way



Codice	D	D1	Interasse mm.	Larghezza mm.	Conf./Pieces	€/pz.
MPCO4V34	3/4"	1/2"	35	163	5/40	10,06
MPCO4V11	1"	1/2"	35	160	5/50	16,28

Escluso KIT / Without KIT

Kit per collettore / Kit for manifold



Codice	Ø DxSpessore mm.	Conf./Pieces	€/pz.
MSKITC14	14x2	5/100	1,51
MSKITC16	16x2	5/360	1,40

Per uscita Ø 18x2 utilizzare art. BLMF1812 - Uscita Ø 20x2 utilizzare art. BLMF2012

Tappi per collettore / Plugs for manifolds



Codice	Ø DxSpessore mm.	Ø mm.	Conf./Pieces	€/pz.
MPTAP34F	Tappo femmina / Female plug for manifolds	3/4"	20	1,84
MPTAP01F	Tappo femmina / Female plug for manifolds	1"	20	3,31
MPTAP34M	Tappo maschio / Male plug for manifolds	3/4"	20	1,47
MPTAP01M	Tappo maschio / Male plug for manifolds	1"	20	2,14

Sp. 80 mm.

Cassetta incasso per collettore 3/4" e 1" / Galvanized steel built-in box for 3/4" e 1" manifold



Codice	Descrizione	Tipo collettore	L mm.	H/P mm.	Conf. Pz.	€/pz.
MTC03308	Cassetta con anta per alloggiamento collettore ad incasso, composta da cassa zincata a murare in acciaio	1" 1/4	330 (2-6 vie)	620/80	1	*
MTC04408		1" 1/4	440 (2-9 vie)	620/80	1	*
MTC05508		1" 1/4	550 (2-12 vie)	620/80	1	*
MTC06608	zincato da 10/10 mm con reti per intonaco e regolabile in altezza, comprensiva di sportello	1" 1/4	660 (2-14vie)	620/80	1	*
MTC07708	verniciato a forno con polveri epossidiche colore bianco RAL1013, cartone proteggi collettore per cantiere e serratura.	1" 1/4	770 (2-17 vie)	620/80	1	*
MTC08808		1" 1/4	880 (2-20 vie)	620/80	1	*
MTC09908		1" 1/4	990 (2-23 vie)	620/80	1	*
MTC11008		1" 1/4	1100 (2-25 vie)	620/80	1	*
MTC12108		1" 1/4	1210 (2-28 vie)	620/80	1	*
MTC13208		1" 1/4	1320 (2-31 vie)	620/80	1	*
MTC14308		1" 1/4	1430 (2-33 vie)	620/80	1	*

(*) Prezzo e sconto Listino gamma Pavibalped / Subjected to Pavibalped discount

Cassetta in plastica per collettori da 3/4" e 1" / Plastic box for 3/4" and 1" manifolds



Codice	L mm.	H mm.	P mm.	Conf./Pieces	€/pz.
MPCAPL32	320 (2-4 vie)	269	80/100	10	18,90
MPCAPL40	410 (2-6 vie)	269	80/100	10	21,18
MPCAPL50	510 (2-9 vie)	269	80/100	10	25,64
MPCAPL60	610 (2-11 vie)	310	80/100	10	31,06

Tappo filettato maschio per prova impianto / Male plug for plant test



Codice	Color / Colour	Ø mm.	Conf./Pieces	€/pz.
■ VTP20000B	BLU/BLUE	1/2"	50/500	Listino Greentherm
■ VTP20000R	ROSSO/RED	1/2"	50/500	Listino Greentherm
● HL04300B	BLU/BLUE	3/4"	10	Listino HL
● HL04300R	ROSSO/RED	3/4"	10	Listino HL

■ Segue sconto Listino Greentherm / Subjected to Greentherm discount

● Segue sconto Listino sifoni HL / Subjected to HL discount

Kit pressatrice + ganasce con valigetta / Pressing machine with jaws and box



Ganasce profilo TH

Codice	Descrizione	Ganasce Ø mm.	Conf./Pieces	€/pz.
MPVB1626	Pressatrice a batteria / Battery	16-20-26	1	2.712,50
MPVA1626	Pressatrice elettrica / Electric	16-20-26	1	2.012,50
MPVM1620	Pressatrice meccanica / Manual	16-20	1	918,75

Ricambio per pressatrice a batteria / Battery for press machine

MPRIBATT	Batteria		1	498,75
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Dime per pressatrice meccanica / Jaws for hand machine

MPDIMA16	Profilo TH	16x2	1	105,00
MPDIMA18	Profilo TH	18x2	1	105,00
MPDIMA20	Profilo TH	20x2	1	105,00

Pressatrice elettrica / Electric pressing machine



Codice	Descrizione	Ganasce Ø mm.	Conf./Pieces	€/pz.
MPPR1432	Pressatrice elettrica	Dal 14 al 63	1	1.365,00

Ganascia per raccordi serie MP e LP / Jaw for MP and LP series fittings



Ganasce profilo TH

Codice	Descrizione	Ganasce Ø mm.	Conf./Pieces	€/pz.
● MPGA1400	Profilo TH	14x2	1	205,63
MPGA1600	Profilo TH	16x2	1	188,13
MPGA1800	Profilo TH	18x2	1	205,63
MPGA2000	Profilo TH	20x2	1	192,50
MPGA2600	Profilo TH	26x3	1	196,88
MPGA3200	Profilo TH	32x3	1	223,13
MPGA4000	Profilo TH	40x3,5	1	253,75
MPGA5000	Profilo TH	50x4	1	525,00
MPGA6300	Profilo TH	63x4,5	1	822,50

Valigetta Kit calibro svasatore interno-esterno / Kit gauges for MP and LP series fittings



Codice	Descrizione	Conf./Pieces	€/pz.
MPRO1626	Valigetta contenente: N° 1 impugnatura, N° 1 calibro Ø16, N° 1 calibro Ø20, N° 1 calibro Ø26.	1	170,63

Calibro svasatore interno-esterno / Gauge for MP and LP series fittings



Codice	Ø mm.	Conf./Pieces	€/pz.
● MPROCA14	14	1	52,50
MPROCA16	16	1	50,75
MPROCA18	18	1	52,50
MPROCA20	20	1	52,50
MPROCA26	26	1	57,75
MPROCA32	32	1	63,00

Impugnatura per calibro svasatore interno/esterno

MPROCAIM	Dal 14 al 32	1	77,00
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Calibro svasatore in metallo per raccordi serie MP e LP / Metal gauge for MP and LP fittings



Codice	Per tubi Ø mm.	Conf./Pieces	€/pz.
MPCA1432	Dal 11,6 al 32	1	75,25

BALPEX

Calibro svasatore in metallo per raccordi serie MP e LP / Metal gauge for MP and LP fittings



Codice	Per Tubi Ø mm.	Conf./Pieces	€/pz.
MPCA0040	40	1	55,13
MPCA0050	50	1	89,25
MPCA0063	63	1	170,63

Calibro in PVC per raccordi a stringere serie BL / PVC gauge for BL fittings



Codice	Per tubi Ø mm.	Conf./Pieces	€/pz.
MSCA1420	Dal 14 al 20	1	3,50

Tagliatubo / Pipe cutter



Codice	Per Tubi Ø mm.	Conf./Pieces	€/pz.
MPTA1426	Dal 14 al 26	1	75,25

Tagliatubo rotella / Pipe cutter



Codice	Per Tubi Ø mm.	Conf./Pieces	€/pz.
VVTA0200	Dal DN 50 al DN 140	1	Listino Greentherm

■ Segue sconto Listino Greentherm / Subjected to Greentherm discount

Dima di montaggio con tappi / Assembly help with 2 plugs



Codice	Descrizione	Conf./Pieces	€/pz.
VDIMAM00	Dima di montaggio	1	Listino Greentherm

■ Segue sconto Listino Greentherm / Subjected to Greentherm discount

Dima di montaggio con tappi / Assembly help with 2 plugs



Codice	Descrizione	Conf./Pieces	€/pz.
ODIMAL00	PL 15400 / Dima di allineamento	1	Listino Greentherm

■ Segue sconto Listino Greentherm / Subjected to Greentherm discount

Attrezzo piegatubo / Pipe bender



Codice	Per Tubi Ø mm.	Conf./Pieces	€/pz.
MPPT1432	Dal 14 al 32	1	743,25

Molla piegatubi interna / Internal bending spring



Codice	Tubo Ø mm.	Conf./Pieces	€/pz.
● MPMI1400	14x2	1/50	7,44
MPMI1600	16x2	1/50	7,44
MPMI1800	18x2	1/50	8,31
MPMI2000	20x2	1/50	10,50
MPMI2600	26x3	1/50	14,88

Molla piegatubi esterna / External bending spring



Codice	Tubo Ø mm.	Conf./Pieces	€/pz.
MPME1400	14x2	● 1/50	12,25
MPME1600	16x2	1/50	12,69
MPME1800	18x2	1/50	14,44
MPME2000	20x2	1/50	16,19

Technical information

Balpex multilayer system

General characteristics of **BALPEX** system

Certifications



IIP - Italy



DVGW - Germany



CSTB - France



KIWA - Netherlands

Diameter x Thickness (mm)	14x2	16x2	18x2	20x2	26x3	32x3	40x3,5	50x4	63x4,5
Inner Ø (mm)	10	12	14	16	20	26	33	42	54
Max weight (g/m)	105	125	135	150	260	390	605	870	1315
H2O content (l/m)	0,072	0,113	0,154	0,201	0,314	0,531	0,855	1.385	2.290
Min. bending radius by hands (mm)	80	80	90	100	130	160	-	-	-
Min. bending radius with spring (mm)	56	64	72	80	104	128	-	-	-
Min. bending radius with pipe bender (mm)	50	56	63	70	91	112	140	175	221
Max fixing distance (cm)	120	130	140	150	170	190	230	250	300

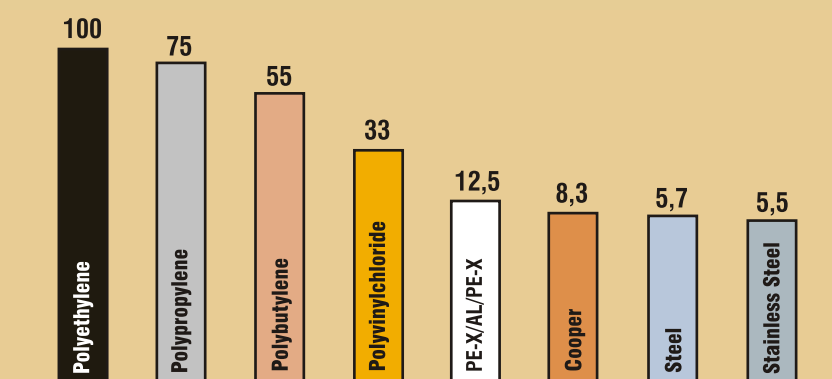
Type of pipe	PE-Xc/Al/PE-Xc	PE-Xb/Al/PE-Xb
Crosslinking	electronic beams	silanes
Aluminium welding	butt-welded	butt-welded
Aluminium thickness	from 0,2 to 1,2 mm	from 0,2 to 0,4 mm



Performances of system **BALPEX**

■ **Low thermal expansion**

Thanks to the aluminium layer the elongation of the tube due to changes in temperature takes minimum linear values (0.025 mm / mK), much similar to those of metal pipes.



Dilatazione lineare di diversi materiali in tubi da 10 metri con Δt 50°C (valori espressi in mm.)

■ **Total impermeability to oxygen and water vapour**

The aluminum layer completely prevents the passage of oxygen, water vapor and other gaseous molecules potentially harmful for the plant, making the multilayer pipe very suitable for underfloor heating systems.

■ **Resistance to chemicals and stray currents**

The two layers of polyethylene pipe and the gaskets of the fittings protect aluminum from any chemicals substances and stray currents.

■ **Flexibility, stability and ease of installation**

Can be easily bent, with small radii, while maintaining the given shape and the operation of assembly with the fittings doesn't require threading, welding or gluing.

■ **High smoothness**

The smooth surface of the inner layer of PE ensures maximum smoothness of the fluids and prevents the formation of scale.

■ **Resistance to high temperatures and pressures**

The system withstands a pressure of 10 bar, with operating temperature equal to 95 °C, and maintains a high resistance to shocks and crushing even in cold climatic conditions.

■ **Potability**

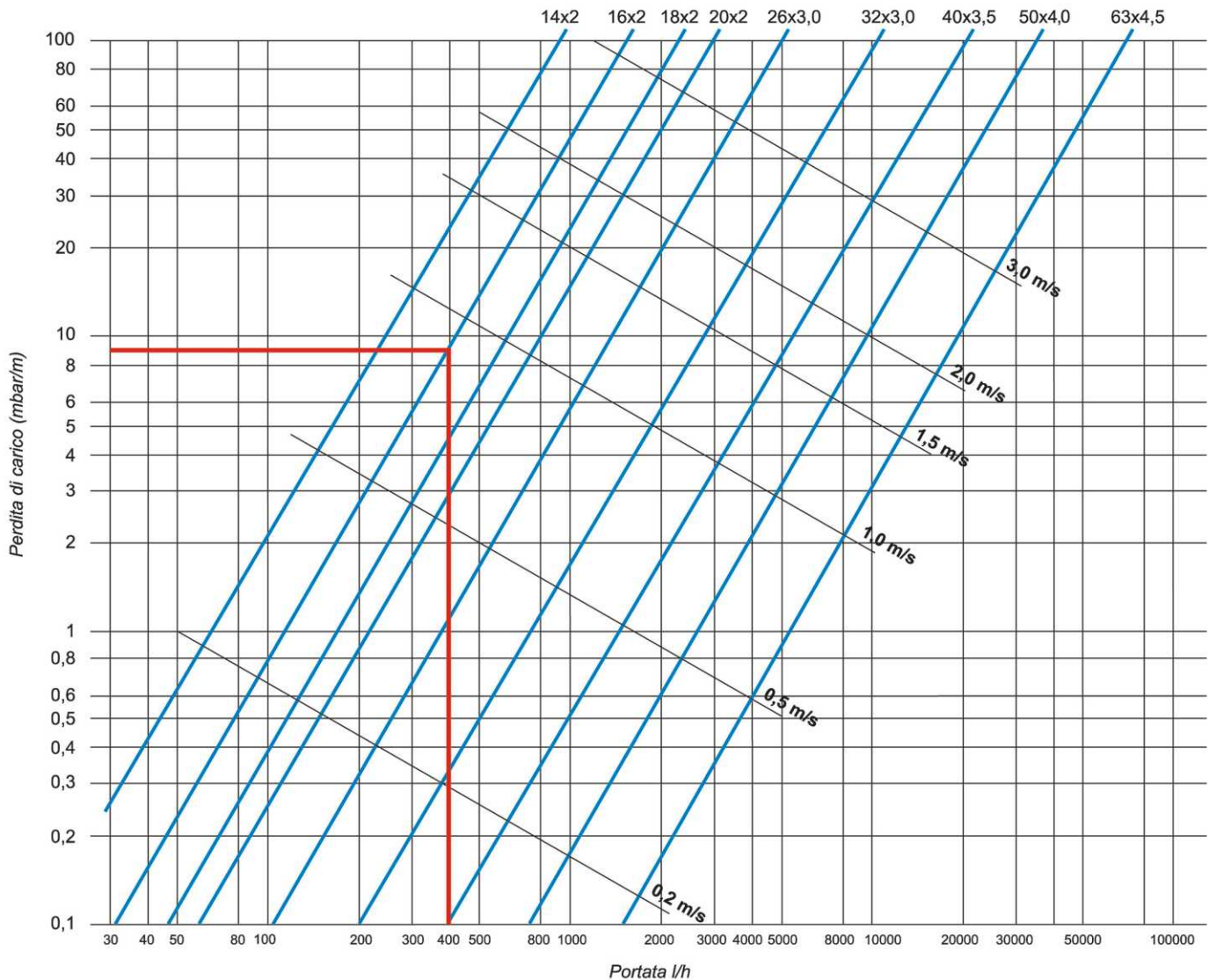
The system is suitable for carrying drinking water in accordance with the provisions of the Ministerial Decree No. 174 of 06.04.2004.

■ **Working life**

Tests of resistance and durability have provided that the multilayer system BALPEX, if used within the prescribed limits of pressure and temperature, lasts 50 years and over.

Pressure drop of the pipe

The multilayer pipe BALPEX has an extremely low coefficient of roughness of the inner polyethylene layer, allowing good performances of smoothness. Considering that it is good practice to maintain the fluid velocity below 3 meters per second, with the following diagram it is possible to obtain the pressure drop (mbar / m) knowing the diameter of the tube (mm) and the flow rate (liters of flow in one hour) that you will use.



NB - The table refers to the transport of water at a temperature of 20 ° C. For different temperatures, use following factors (rounded by correction): 10°C: f = 1,1; 40°C: f = 0,9; 80°C: f = 0,85.

EXAMPLE OF CALCULATION

We want to determine the pressure drop of the tube BALPEX 16x2 whereas a flow rate of 400 l / h with a water temperature of 20 ° C:
 draw a vertical line starting from the value of the expected flow rate (400 l / h) until intercepting the oblique line relative to the diameter of the provided pipe (16x2 mm) and from the point of intersection draw a horizontal line up to find the pressure drop (9 mbar / m).

Pressure drop of fittings

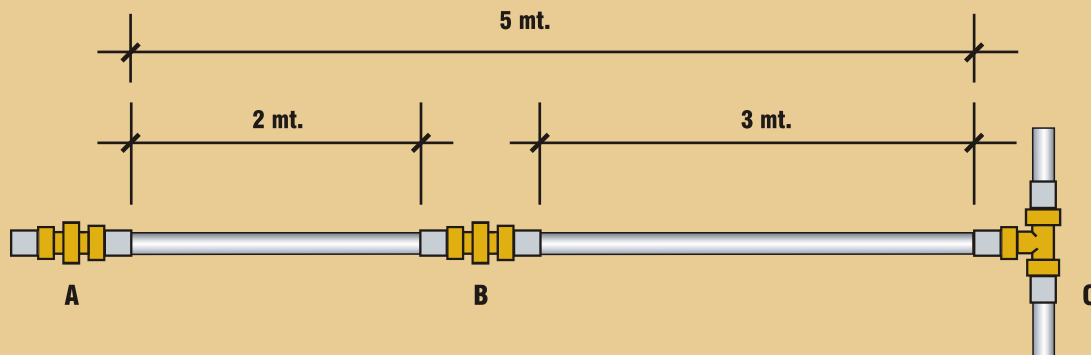
To simplify calculation, the load losses of fittings are expressed through the corresponding length in meters of pipe: using an elbow of diameter 16, for example, is equivalent to lengthen the circuit of 2.2 meters (of multilayer pipe BALPEX 16x2).

Raccordo	Flusso	Dn 14	Dn 16	Dn18	Dn 20	Dn 26	Dn 32	Dn 40	Dn 50	Dn 63
Manicotto	→	1,10	0,90	0,80	0,70	0,50	0,30	0,40	0,45	0,50
Riduzione	→→	1,05	0,90	0,85	0,75	0,80	1,05	1,1	1,15	1,30
Gomito 90°	↑→	2,45	2,20	2,05	1,95	2,30	2,60	2,95	3,15	3,55
Tee passante	→→	2,90	2,50	2,40	2,20	2,50	3,00	3,50	3,75	4,35
Tee derivato	→↓	0,80	0,70	0,60	0,50	0,60	0,75	0,80	0,90	1,00
Tee ripartito	←↑	2,60	2,15	2,00	1,90	2,45	2,60	3,10	3,40	3,95

NB - Pressure drops refer to Balpex press-fittings series MP and LP and compression fittings series BL.

EXAMPLE OF CALCULATION

BALPEX pipe 16x2, Capacity = 400 l/h, Pressure drop = 9 mbar/m:



Pipe length = 2+3 = 5 mt

Corresponding length of the fittings used = 0,90 (A) + 0,90 (B) + 2,15 (C) = 3,95 metri

Total circuit length (pipe + fittings) = 5 (pipe) + 3,95 (fittings) = 8,95 mt

Total pressure drop of the circuit = 9 (mbar/m) x 8,95 (m) = 80,55 mbar

Equivalent diameters

Considering that the inner surface of BALPEX pipe is in cross-linked polyethylene (PE-X), material characterized by a very low coefficient of roughness, and that the load losses are, in the same section, lower compared to metal pipes, the adjacent table is useful for an approximate comparison of diameters among most commonly used systems.

Diameters comparison between different materials

BALPEX mm	COPPER/INOX mm	STEEL inchs	PE-X mm	PP-RANDOM mm
14x2	12x1	-	14x2	16x2,7
16x2	14x1	3/8"	16x2,2	20x2,4
18x2	16x1	1/2"	20x2,8	-
20x2	18x1	1/2"	22x3	25x4,2
26x3	22x1	3/4"	28x4	32x5,4
32x3	28x1,5	1"	-	40x6,7
40x3,5	35x1,5	1"1/4	50x6,9	50x8,4
50x4	42x1,5	1"1/2	-	63x10,5
63x4,5	54x1,5	2"	75x10,4	75x10,4

Linear expansion

Multilayer pipe is characterized by a thermal expansion coefficient $\alpha=0,025$ mm/mK which is independent from the used diameter. Depending on the variation in temperature of the transported fluid, the circuit length can change and such variations can be determined by consulting the following table. The changes in length should be carefully considered in the planning stages to take the necessary measures while implementing the system.

Linear expansion values of multilayer pipe

Expansion (mm/mt)	Temperature difference (ΔT)							
	10	20	30	40	50	60	70	80
Pipe length (mt)								
1	0,25	0,50	0,75	1,00	1,25	1,50	1,75	2,00
2	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00
3	0,75	1,50	2,25	3,00	3,75	4,50	5,25	6,00
4	1,00	2,00	3,00	4,00	5,00	6,00	7,00	8,00
5	1,25	2,50	3,75	5,00	6,25	7,50	8,75	10,00
6	1,50	3,00	4,50	6,00	7,50	9,00	10,50	12,00
7	1,75	3,50	5,25	7,00	8,75	10,50	12,25	14,00
8	2,00	4,00	6,00	8,00	10,00	12,00	14,00	16,00
9	2,25	4,50	6,75	9,00	11,25	13,50	15,75	18,00
10	2,50	5,00	7,50	10,00	12,50	15,00	17,50	20,00

**Press fittings
Assembly steps**



When making tight curves, we recommend to use the suitable flexible springs adaptable for the diameter of the tube to be bent. For big diameters it is advisable to use a bending machine.



Cut the pipe perpendicularly along its length by using the appropriate shear that provides easy and precise cut.



It is obligatory to insert the metal gauge inside the tube to re-establish the diameter, and rotate it to smooth off the internal edge. This operation is indispensable to facilitate the insertion of the tube into the connector, thus avoiding possible damages to the o-rings, which should be suitably lubricated.



Insert the tube into the connector until it presses against the end washer. It is possible to check the complete insertion through the inspection windows placed on the edge of the external sleeve.



Position the connector inside the jaw making coincide the protuberance of the sleeve with the fastening groove. Operate the pressing machine, which will automatically block once the clamping has been carried out.



Having terminated the pressing, open the jaw to take out the finished piece

**Compression fittings
Assembly steps**



When making tight curves, we recommend to use the suitable flexible springs adaptable for the diameter of the tube to be bent. For big diameters it is advisable to use a bending machine.



Cut the pipe perpendicularly along its length by using the appropriate shear that provides easy and precise cut.



Place the plastic calibrator inside the tube to re-establish its diameter and to facilitate the subsequent coupling of the cap with the O-ring seal.



insert, in the following order, the nut, the metal ring and the cap with O-ring seals. Check that the tube (properly lubricated by the installer) presses against the end washer.



Screw the nut onto the fitting body, using the appropriate spanner.

■ INSTALLATION TEST

General indications

Before being underbuilt, all installations must be tested by carrying out a pressure test by the company that has effected the installation and that has the duty to check the perfect execution of their works: BAMPI company is not responsible for possible accidents and consequent damages to persons or properties deriving from installations not being put to a control check. To carry out a correct test it is sufficient to follow a simple standard procedure that, once effected, ensures the absence of leaks and allows the underbuilding of the installation.

Preliminary test

The preliminary test takes 30 minutes. The measuring equipment must be connected to the lowest point of the installation and must allow checking variation in pressure of 0,1 bar. Pipes installations must be filled with water forcing out eventual air pockets. When the air is completely expelled, the installation is then brought up to a pressure of 15 bar and in case of a drop in pressure, must be then refilled after 15 minutes from the test starting. If the control of the connectors does not reveal leaks and the drop in pressure over a period of 30 minutes does not go above 0,3 bar, then the following step is the principal test.

Principal test

The principal test lasts 2 hours. Having positively terminated the preliminary test and before effecting the definitive test, bring the pressure inside the tubing to 0 bar. Then, bring the installation up to a pressure of 15 bar; this pressure must be maintained for a period of two hours at least; during this period there must not be pressure drops over 0,3 bar. Having terminated this test with a positive result, proceed with the underbuilding of the installed pipes.

WARNING

- During underbuilding operation it is recommended to maintain the installation under pressure to immediately find eventual damages deriving from the underbuilding operation
- During installation testing, it is necessary to carry out a visual check for possible leaks on all the connectors
- It is a good practise by the company carrying out the installation to write a report attesting the positive results of the tests, listing the checks carried.

Orders – All orders are to be considered as undertaken by way of reservation and do not bind our company to the delivery, even partially, of the goods ordered.

Prices – Prices are intended for goods delivered ex-our factory, excluding VAT. Prices may be varied without prior warning and only those that are current at the time of delivery of the material are to be considered valid.

Shipping – All shipping carried out by Bampi SpA, who reserves the right to choose the carrier, is at the expense and on behalf of the customer. The date that the goods leave the factory or the warehouse of the vendor is considered the shipping date.

Delivery terms – These are only approximate and do not give the purchaser the right to cancel the order, or claim damages of any nature, in the event of delays due to manufacturing accidents or circumstances beyond our control.

Packaging – Packaging is free of charge and its return is not accepted. The order can be packed on pallets on request by the purchaser. The cost of the pallets used will be charged on the invoice.

Packs – Bampi SpA only supplies goods in the packs that are clearly stated on its sales lists. Only samples can be supplied "loose".

Payment – The payment conditions stated on the invoice are to be considered definite. Other conditions will not be accepted unless previously and expressly stipulated. Cheques issued in payment must always be made payable to Bampi SpA. In the event of payment not being made within the established terms, Bampi SpA reserves the right to suspend or cancel any deliveries still outstanding without prior warning, and any other order which has already been accepted. Any dispute of any nature does not give the purchaser the right to withhold outstanding payments. Orders already carried out and invoiced, even partially, will be subject to the conditions agreed, meaning that payment for goods forwarded will not be dependent on completion of the order. Payments which are delayed beyond the deadlines indicated on the invoice, without being prejudicial to any other action, will have overdue interest charged at the rate currently being practised by Italian banks on primary clients with short-term loans (Prime Rate), plus 3 %. Bampi SpA only acknowledges the validity of payments made at the company Head Office or by bank. Only those holding a relevant and explicit proxy may receive payment on behalf of the company. In any event, we accept cheques and bills of exchange "subject to collection", and we register the amount of settlement or of part payment of our credit only upon receipt.

Minimum issuable amount of collection orders – In the event of payment conditions which foresee several Collection Orders, the minimum amount issued for each single collection order will be € 250,00. For invoices of less than € 500,00, with several expiry dates, a single Collection Order with expiry upon the first date coded in the client register will be issued. For invoices of more than € 500,00, with several expiry dates, the normal coded conditions will apply, with a minimum issuable amount of € 250,00. In the event that the amounts are lower than this sum, the longest expiry date will be eliminated.

Ownership of the goods – Bampi SpA reserves the ownership of the goods until full settlement of the agreed price according to para. 1523 and subsequent paragraphs, of the Civil Code. Payment made by bill of exchange does not alter Bampi's right to ownership, as bills of exchange are to be considered given and received "with recourse", not "without recourse".

Liability – Complaints – Bampi SpA will not be held liable for any delays, misdeliveries, breakages, thefts, shortages or tampering with of materials and therefore does not credit goods which have been tampered with, damaged or lost during transportation. Any complaints or objections for apparent defects must be communicated to the carrier immediately upon unloading of the material and a detailed note must be written on the transport documentation (D.P.R. No. 450 of 02/08/1985). A copy must be sent immediately to the Bampi SpA Sales Department (also by fax). Complaints regarding missing packs, rolls or pallets which are not recorded on the transport documentation will not be accepted. Complaints will only be accepted within eight days of the receipt of the goods specified on the transport documentation (para. 1511 and 1495 of the Civil Code), and must include full details of the reason for complaint.

Returns – Bampi SpA will not accept returned goods except in the event of alleged "technical non-compliance", which must be confirmed by a representative of Bampi SpA or verified in our Laboratory, or in the event of misdelivery by Bampi and through no fault of the customer. All returns must firstly be authorised by Bampi SpA.

Conditions necessary for the acceptance of returned goods:

- the material must be returned in excellent condition and perfectly packaged;
- the transport documentation must state "returned goods" and not "sales";
- the transport documentation must include all references to the original purchase (invoice number and date);
- a credit note must be issued by Bampi SpA.

Any returns that do not comply with all the above mentioned conditions will be automatically rejected. In the event of material being returned in bad condition, or claims of technical non-compliance being unfounded, Bampi SpA reserves the right to charge to the customer costs incurred and will dock them directly from the credit note at a flat rate percentage on the value of the goods.

Objections - The parties will appoint the Court of Justice of Brescia for any dispute that may arise.

INSURANCE

Bampi SpA is insured, with a major insurance company, for any damages caused by the use of materials distributed by us, and specifically for:

- manufacturing defects;
- design faults;
- defects in materials used;
- absence of the technical specifications asserted by Bampi;
- departure from the regulations in existence at the time of production, or from technical regulations of general validity.

Exclusion from the guarantee – the guarantee does not cover damage caused by the following:

- alterations or tampering with the product by the purchaser or by third parties;
- improper use or failure to comply with the instructions for use;
- maintenance faults.

Territorial exclusion from the guarantee – The guarantee offered by Bampi SpA is valid in all the countries of the world, excluding the USA and Canada. **Duration of the guarantee** – Valid according to the terms stated in the Civil Code (para. 1669)

Obligations of the beneficiary of the guarantee – The following constitutes a binding obligation for the acceptance of the claim and, therefore, requests which fail to comply, even if only with one of the conditions, will not be taken into consideration.

- Notice must be given, in writing, to Bampi SpA within seven working days of the detection of the damage (notice may also be given in advance by fax);
 - Observation of the technical specifications, of the specific fields of application, of the technical installation regulations and of the current laws at the time of installation.
 - Prevention and efficient limitation of damage;
 - Obligation of custody of the parts responsible for the damage and forwarding of them to our premises for technical testing.
 - Presentation of photographic evidence relating to the damage;
 - Communication of detailed estimates of costs incurred for restoration work which must be agreed and/or authorised by Bampi;
- Within the notice given the following must be specified:
- the name and address of the company that carried out installation and the person responsible for carrying out the work;
 - the name and address of the owner of the factory and the place in which the damage occurred;
 - the name and address of the director of works and/or the planning company;
 - the description of the damage and the part presumed to be the cause.

The beneficiary of the guarantee may not, under any circumstances, directly deduct the sum of costs incurred from the payment of the invoice for Bampi material, but must always wait for the insurance company to liquidate the amount due.

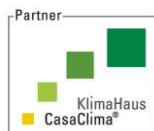
Verification and definition of the damage – Our company will carry out the necessary preliminary investigations, following which it will send the necessary documentation to the insurance company. The insurance company will then send out an insurance expert to assess the damage and amount to be liquidated.

Refund of costs sustained by Bampi SpA – Any costs sustained by us whilst carrying out investigations will be charged to the customer, if it should be ascertained that the damage cannot be attributed to our products, but to conditions specified in the paragraph "Exclusion from the guarantee".

A large **range of products and systems** for drainage, water distribution as well as radiant heating and cooling



- **BAMPLAST** - Polypropylene reinforced drainage system
- **ULTRA-SILENT** - Polypropylene reinforced drainage system
- **POLO-KAL 3S** - Polypropylene heavy soundproof drainage system in 3 layers
- **POLO-KAL NG** - Polypropylene light soundproof drainage system in 3 layers
- **FONOdBAM e FONOdBAM ACOUSTIC** - Sheathes for insulating and uncoupling drainage systems
- **CASSETTE WC** - Line of flush cisterns in built-in and external versions
- **MAGNETIC** - Universal soundproof filling valve for flush cisterns
- **STUDOR** - Line of ventilation valves and traps
- **BAMSIF** - Line of PP / PE-HD / ABS traps, drain valves and gullies
- **BALPEX** - Multilayer system for water distribution
- **BALPEX GAS** - Multilayer system for domestic GAS distribution
- **GREENTHERM** - PP-R polypropylene system for water distribution
- **PAVIBALPED** - Radiant heating and cooling system
- **BAMFLEX** - Fixed and extensible sheath for insulating GAS pipes
- **BAMSPLIT** - Flexible sheath for condensate drain



BAMPI S.p.A

Via Borsellino 4
25017 Lonato del Garda - Brescia - Italy
Tel. +39.030.9132489 - Fax +39.030.9132892
E-mail: bampi@bampi.it - Web: www.bampi.it

www.bampi.it

Bampi è socio sostenitore



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ASSOCIAZIONE NAZIONALE COMMERCianti ARTICOLI IDROSANITARIA CLIMATIZZAZIONE PAVIMENTI RIVESTIMENTI ED ARREDOBAGNO

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ASSOCIAZIONE NAZIONALE ISOLAMENTO TERMICO E ACOUSTICO