



60 YEARS OF ITALIAN TRADITION

Luxor is an important industrial reality, world wide and European market leader in the production of flexible hoses and components for hydro and thermo-sanitary installations. Luxor has been the expression of the most prestigious made in Italy and the great Italian high technology mechanical workings tradition for fifty years; a quality certified and recognized by the most prestigious International Certification Institutes all over the world.

Our mission is the complete customer satisfaction through a process of continuous technological research in order to make high quality, reliable products, anticipating the market evolutions by innovative partnership with both customers and suppliers. Luxor mission takes

place in its own Research and Development Centre in which new and advanced technologies are constantly analyzed and researched with continuous investments to offer the most innovative and reliable solutions for the international markets at competitive costs, ensuring strict quality controls on each single piece.

Luxor entirely plans and realizes each product, thanks to its decennial know how. The great production strength, a "slender" innovative and advanced industrial organization together with a modern logistic conception, make Luxor able to satisfy every kind of request, even customized, with fast deliveries all over the world.



Luxor is certified
ISO 9001:2015
by DEKRA Group
certification body

CERTIFICATION



Please contact our offices for information about technical specifications and certified products or visit the website of the corresponding certification body for the latter.

Please refer to www.nsf.org for a complete list of NSF approved products.
Please refer to www.iapmort.org for a complete list of UPC/cUPC approved products.



FLEXIBLE HOSES

FLEXIBLE HOSES



Luxor's Flexible hoses are first rate Made in Italy products, reliable and top quality products worldwide renowned.

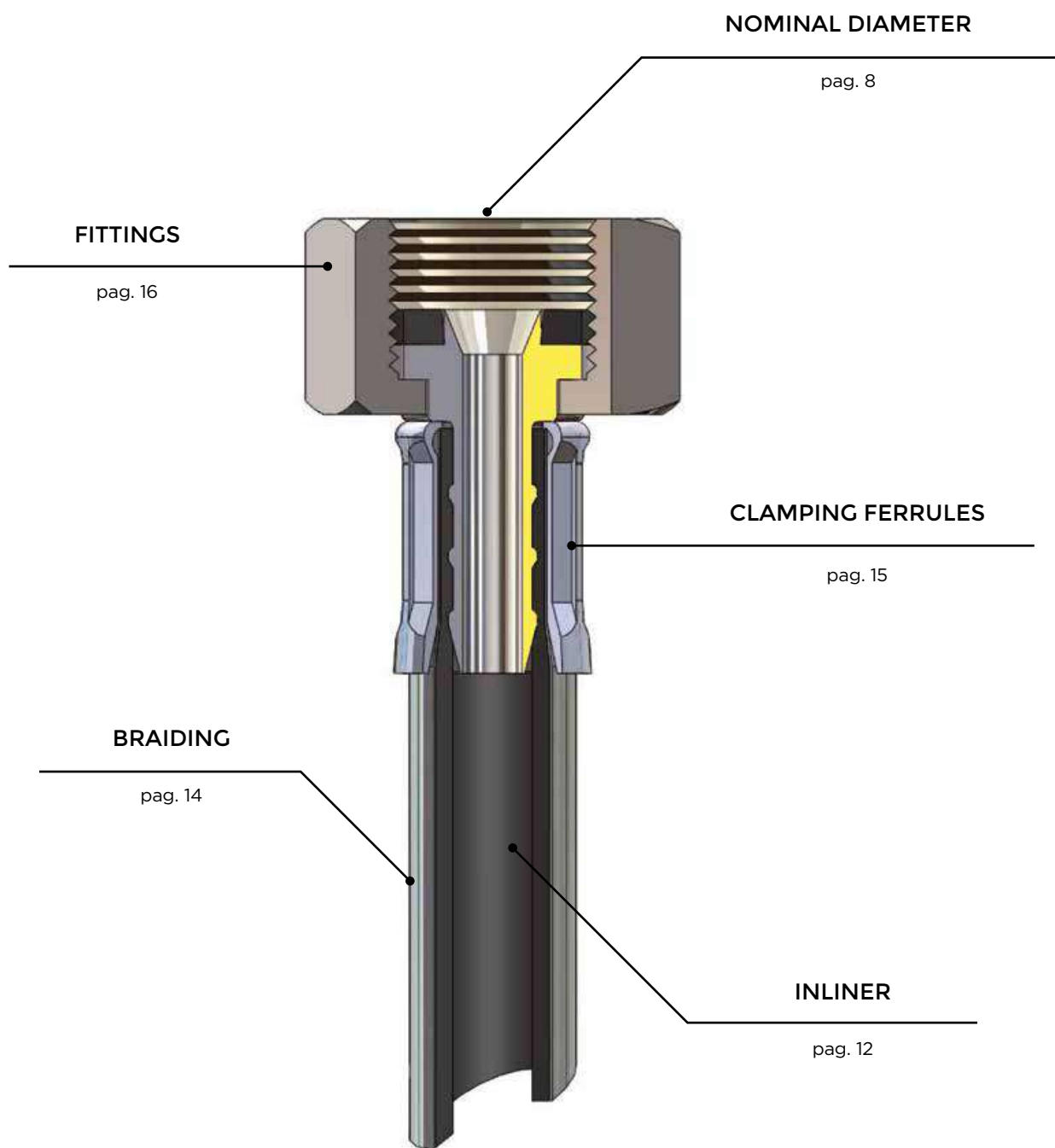
The excellent mechanical and hygienic features, the easiness of their installation and the good value of this product find a continuously increasing appreciation by installers and merchants. The constant attention given to the market demands, to customers' requirements and to the hygienic and environmental obligations, make Luxor's flexible hoses a clear point of reference in the sanitary-plumbing market.

Luxor's flexible hoses are the ideal solution for any type of installation for the distribution of sanitary and drinking water: reliable, easy to fit, cost effective. Luxor's industrial manufacturing process represents the state of the art for the high technology of the production machinery which guarantee a perfect production in every single step.

The hoses are thoroughly checked through severe quality controls, including high resolution photo-camera devices which can detect 100% any possible fault occurred during the production process.

Luxor's Company's Quality System and Luxor's flexible hoses are approved and certified by the most important International Institutes, which recognize and appreciate, besides the product technical qualities, also the Company's policy clearly addressed towards the customer's satisfaction and to the accomplishment to the rules requirements compulsory to the manufactured goods.



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LENGTH INSTRUCTIONS


















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NOMINAL DIAMETER



Luxor Spa's range of hoses comprises products which comply with the most prominent international standards and the current European norm EN13618:2017.

The table below shows the most relevant technical features for every nominal diameter, as well as the availability with silicone, TP, EPDM, PEX and butyl inliner.

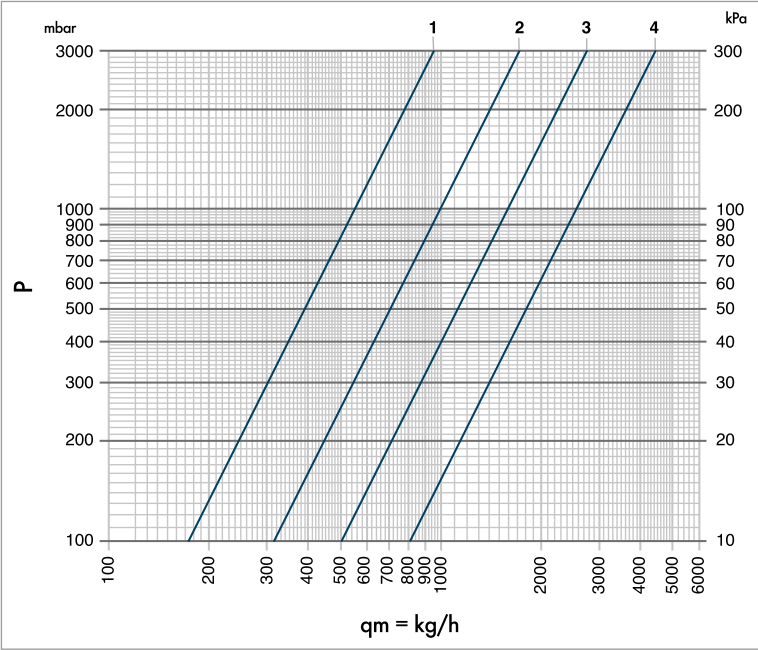
Inliner Range	Nominal Diameter	Inner ø mm	Outer ø mm	Min bending radius	Inner fittings ø mm	Flow rate at 3 bar	Max working pressure	Max working temperature	Min working temperature	Available Fittings	Available Braiddings
	DN6	6,3	10	40	4,7	16 l/min	10 Bar	70° C	-5° C	Brass, stainless steel, plastic	Stainless steel, nylon PA 6.6
	DN8	8,5	12	48	6,2	28 l/min	10 Bar	70° C	-5° C	Brass, stainless steel, plastic	Stainless steel, nylon PA 6.6
	DN8	8,5	12	48	6,2	28 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel
	DN10	9,4	13	56	7,5	46 l/min	10 Bar	70° C	-5° C	Brass, copper, stainless steel, plastic	Stainless steel, nylon PA 6.6
	DN10	9,4	13,5	56	7,5	46 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel
	DN13	12,5	18	72	10	74 l/min	10 Bar	70° C	-5° C	Brass, copper, stainless steel, plastic	Stainless steel, nylon PA 6.6
	DN13	12,5	18	72	10	74 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel
	DN15	15	20	80	12,5	83 l/min	10 Bar	110° C	-5° C	Brass, copper, stainless steel, galvanised steel	Stainless steel, galvanised steel
	DN15	15	20	80	12,5	83 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel
	DN18	19	26	104	15,5	200 l/min	10 Bar	110° C	-5° C	Brass, copper, stainless steel, galvanised steel	Stainless steel, galvanised steel
	DN18	19	26	104	15,5	200 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel
	DN25	25,5	33	132	21	280 l/min	10 Bar	110° C	-5° C	Brass, copper, stainless steel, galvanised steel	Stainless steel, galvanised steel
	DN25	25,5	33	132	21	280 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel
	DN32	32	42	168	27	490 l/min	6 Bar	110° C	-5° C	Brass, stainless steel, galvanised steel	Stainless steel, galvanised steel
	DN32	32	42	168	27	490 l/min	6 Bar	90° C	-20° C	Brass	Stainless steel
	DN40	40	53	212	32	800 l/min	6 Bar	110° C	-5° C	Brass, stainless steel, galvanised steel	Stainless steel, galvanised steel
	DN50	50	65	275	41	1300 l/min	6 Bar	110° C	-5° C	Brass, stainless steel, galvanised steel	Stainless steel, galvanised steel

 Silicone
  EPDM
  Thermoplastic
  PEX
  Butyl

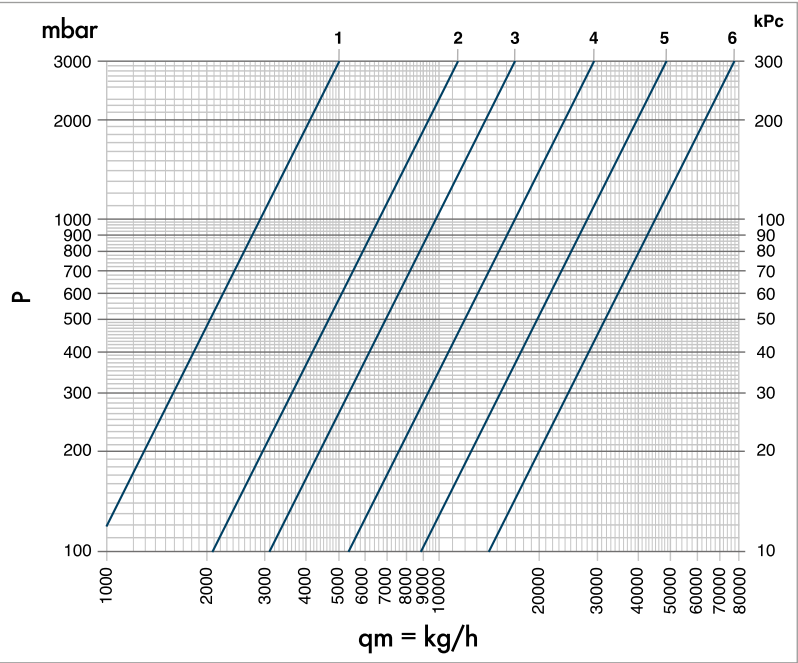
Please contact our technical department for further information

FLOW RATE CHARTS

Flow capacity diagram on hoses with straight fittings, length 1400 mm.



HOSE DIMENSIONS	POS	Kv	Flow l/min con ΔP 3 bar
DN 6	1	0,55	16
DN 8	2	0,97	28
DN 10	3	1,59	46
DN 13	4	2,56	74



HOSE DIMENSIONS	POS	Kv	Flow l/min con ΔP 3 bar
DN 15	1	2,9	83
DN 18	2	6,6	200
DN 25	3	9,8	280
DN 30	4	17	490
DN 40	5	28	800
DN 50	6	45	1300

APPLICATIONS

Luxor Spa's flexible hoses are the ideal solution for every application, both sanitary and industrial. They are safe and easy to install.

The table below shows some of the most common applications, as well as the availability with silicone, TP, EPDM, PEX and butyl inliner.



traditional taps



mixers



heating systems



flushing tanks



boilers



kitchen pull-out shower



generic installations



conditioning systems /
fan coil



washing machines



mounting columns



water heaters



dishwasher



shower cabins



whirlpools































pumps



coffee machines



radiant ceiling panels

Inliner Range	Nominal diameter	Single-lever mixer taps	Two-handle faucets	Mixers	Pull-out shower faucets	Single-hole mixer taps	Coffee machines	Cisterns	Water installations	Sanitary systems	Boilers	Inlet hoses	Water meters	Whirlpools	Shower cubicles	Fancoils	Heating systems	Pumps	Autoclaves	Heat pumps	Air-conditioning systems	Greenhouses	Risers	Common installations	Radiant ceiling panels
   	DN6	●		●			●																		
   	DN8	●	●	●	●	●	●	●	●	●	●					●	●				●				●
  	DN10		●						●	●	●	●				●	●				●				●
   	DN13								●		●	●	●	●	●	●	●				●				●
 	DN15										●						●	●	●	●	●	●	●	●	
  	DN18																●	●	●	●	●	●	●	●	
  	DN25																●	●	●	●	●	●	●	●	
  	DN32																●	●	●		●	●	●	●	
	DN40																●	●	●			●	●	●	
	DN50																●	●	●			●	●	●	

INLINER

SILICONE

Silicone, a noble high-quality material, has gained growing recognition on sanitary markets at an international level.

It is the most hygienic material available on the market and guarantees complete purity. Outstanding elasticity and excellent mechanical properties throughout the temperature range exemplify its characteristics.



THERMOPLASTIC

As the result of years of R&D of noble and high-performance materials, TP combines the purity and hygiene of PEX and silicone with the outstanding mechanical properties of EPDM. Flexibility, versatility and usability make Luxor TP hoses a high-quality product certified by the most prominent international institutes. Luxor TP hoses were developed in order to protect the end users' wellbeing and the environment by being hygienically pure and completely recyclable.



EPDM

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



PEX

PEX is a thermoplastic material endowed with excellent hygienic properties which does not affect the taste and smell of water throughout the temperature range. PEX hoses have established themselves on the market as a good alternative to EPDM.



BUTYL

Butyl is a material with low oxygen permeability. This feature makes it suitable for all closed circuit applications where oxygen creates corrosion.





PROPERTIES	SILICONE	THERMOPLASTIC	EPDM	PEX	BUTYL
Hygienic Purity	●●●●●	●●●●	●●●	●●●●	-
Mechanical Resistance	●●●	●●●●	●●●●●	●●●	●●●
Resistance to Temperature	●●●●●	●●●●	●●●●●	●●	●●●
Durability	●●●●●	●●●●●	●●●●	●●●	●●●●
Flexibility	●●●●●	●●●●●	●●●●	●	●●●
Approvals	●●●●●	●●●●●	●●●	●●●	-
Range	●●●●	●●●	●●●●●	●	●●●●
Versatility	●●●●●	●●●	●●●●●	●	●

● Sufficient ●● Discrete ●●● Good ●●●● Very Good ●●●●● Excellent

BRAIDING



The external reinforcing braiding is made using stainless steel threads AISI 304 \varnothing 0,20 mm, \varnothing 0,22 mm, galvanized steel threads \varnothing 0,30 mm and Nylon threads PA 6.6 \varnothing 0,25 mm and \varnothing 0,30 mm.

These threads, joined to become plaits are assembled so to cover completely the inner pipe giving to the flexible hose the faculty to sustain the normal working pressure and the possible overpressure which can occur during an ordinary performance of the hydraulic system.

STAINLESS STEEL THREADS

The stainless steel threads have a minimum \varnothing 0,20 mm, a higher dimension of the one normally employed by other producers, so to guarantee a safe and reliable top quality product. Thanks to this excellent covering material, Luxor's flexible hoses have successfully passed the most severe mechanical tests of European and International Certification Institutes of the hydrosanitary field.

NYLON THREADS

The Nylon PA 6.6 threads also assure excellent resistance

and good mechanical qualities thanks to the elasticity of material and the good performance at high and low temperature. Flexible hoses with braiding in Nylon PA 6.6 have found a large market in the kitchen mixers with pull-out showers for example, due to their good performance and their resistance to the wear and tear due to the friction rub and to the low noise produced during the normal daily use.

BRAIDING

The braiding percentage of covering can change in accordance to the specific product requests and to the customer's requirements, going from a 97% cover until 80%.

The 97% braiding covers perfectly the inner pipe making the flexible hose mechanically more resistant to the strains and giving a better aesthetic exterior.

The thread dimension, the quality of the material and the covering percentage of the braiding distinguish Luxor's hoses, products with a high quality profile, from those of other producers.



CLAMPING FERRULES

The clamping ferrules of the end connectors are in stainless steel AISI 304 (from DN6 to DN50) and in aluminium (from DN15 to DN50), materials firm and safe, which differing from brass, are not subjects to breakage given by stress corrosion.

Next to the peculiar specific qualities of the stainless steel, that is the resistance to corrosion and oxidation, the stainless steel clamping ferrules AISI 304 are solubilized so to stress relieve and reduce the superficial hardness of the material and avoid the possible development of splits during the pressing process.

PRESSURE

The pressure of the clamping ferrules to the braided hose

and to the end connectors is made with an octagonal pressing process.

For special dimensional requirements is carried out a double pressing called "calibration" which allows a further external space reduction of the clamping ferrules.

IDENTIFICATION MARK

All Luxor's flexible hoses are clearly and rigorously marked with an identification mark on the clamping ferrules bearing the mark LUX, year of production and the technical-regulation quotes.

By marking the hose each producer assumes his responsibility of what is produced: **BEWARE OF HOSES WITH NO NAME!**



FITTINGS



The end connectors are produced in brass CW617N and CW614N with low lead content in compliance to the recent rules UNI EN12165 and UNI EN12164.

For some markets, or for some particular applications, are also available fittings in brass CW602N, which differs from the commonly used brass, since it prevents the brass from dezincification caused by the loss of zinc and the consequent redeposit of copper.

Though the percentage of lead within the brass alloys for the fittings are low and guaranteed by the European regulation, the new challenge that producers of plumbing material are facing is the total exclusion of lead from the manufactured products. With the main target to constantly improve the hygienic quality of the product and to improve the pureness of the materials, Luxor is engaged to use for particular markets brass Ecobrass type with zero percentage of lead.

The fittings, based on the specific markets demands or on product certification requirement, undergo further manufacturing processes such as: normalization (to stress relieve the material and reduce the surface hardness and avoid the occurring of production cracks).

For particular application, where high resistance to oxidation and good resistance to mechanical stress is required,

the fittings are produced in stainless steel AISI304.

Other fittings are produced in deoxidated phosphor copper Cu-DHP quality with chemical composition: Cu 99,9% min, whose mechanical qualities, dimensions and tolerances are in compliance to the EN1057 rule and its connected regulations.

For particular requirements and for those markets less demanding are also available end connectors in steel AVP.

SEALING GASKETS AND O-RINGS

The water tightness of the end connectors is guaranteed by the use of gaskets and o-rings in EPDM and NBR, materials with high ozone free properties, which preserve their tightening features and mechanical resistance throughout times.










The compounds used, thanks to the excellent hygienic properties, are fit for drinking water adduction, and have been approved by the most rigorous Certification Institutes of the hydrosanitary field.











The mechanical, physical and hygienic qualities of the gaskets and o-rings are constantly tested with specific laboratory tests both carried out internally or externally to verify their conformity to the rules requirements.






TYPE OF FITTINGS

Luxor's main target is that to satisfy the customer during the development process of the new products and give new technical solutions.

Inliner Range	Nominal Diameter				
 Silicone  EPDM  Thermoplastic  PEX	DN6	Short male M 8x1 - 18 mm M 10x1 - 18 mm M 11x1 - 20 mm 	Medium male M 8x1 - 44 mm M 10x1 - 44 mm 	Long male M 8x1 - 74 mm M 10x1 - 74 mm 	Smooth Pipe ø 10 mm 
		Safety end Pipe ø 8 mm ø 10 mm 	Female without gasket G 1/4 - G 3/8 - G 1/8 G 1/2 - M 10x1 M 15x1 M 12x1 - 9/16 - 24 unef 	Collar G 1/2 	Male G 1/8 G 3/8 G 1/2 
		Swivel Male M 12x1 M 15x1 G 3/8 	Female with gasket G 3/8 - G 1/2 M 10x1 - M 15x1 9/16 - 24 unef 		

Inliner Range	Nominal Diameter				
 Silicone  EPDM  Thermoplastic  Butyl	DN8	Short male M 10x1 - 18 mm M 11x1 - 19 mm M 12x1 - 19 mm 	Medium male M 10x1 - 46 mm M 12x1 - 43 mm 	Long male M 10x1 - 74 mm M 12x1 - 75 mm 	Smooth Pipe ø 10 mm ø 15 mm 
		Safety end Pipe ø 10 mm 	Male G 1/4 G 3/8 G 1/2 G 3/4 	Female without gasket G 1/4 - G 3/8 - G 1/2 G 3/4 - M 15x1 	Elbow Female without gasket G 1/4 - G 3/8 G 1/2 - G 3/4 
		Compressor Fitting ø 10 mm ø 12 mm ø 14 mm ø 15 mm 	Swivel Male M 15x1 G 3/8 G 1/2 	Collar G 1/2 	Female with o-ring G 3/8 
		Elbow Female with o-ring G 3/8 	Female with gasket G 3/8 - G 1/2 G 3/4 - 1/2 NPSM 9/16 - 24 unef 	Elbow Female with gasket G 3/8 - G 1/2 G 3/4 	Extended Male G 3/8 - 26 mm G 1/2 - 28 mm 
		Push-Fit Fitting ø 8 			

FLEXIBLE HOSES

Inliner Range	Nominal Diameter								
<div><div></div> EPDM</div> <div><div></div> Thermoplastic</div> <div><div></div> Butyl</div>	DN10	<div>Short male</div> <div>M 12x1 - 16 mm</div> <div></div>	<div>Male</div> <div>G 1/4</div> <div>G 3/8</div> <div>G 1/2</div> <div></div>	<div>Female without gasket</div> <div>G 3/8</div> <div>G 1/2</div> <div>G 3/4</div> <div></div>	<div>Elbow Female without gasket</div> <div>G 3/8</div> <div>G 1/2</div> <div>G 3/4</div> <div></div>				
		<div>Compressor Fitting</div> <div>ø 10 mm</div> <div>ø 12 mm</div> <div>ø 14 mm</div> <div>ø 15 mm</div> <div></div>	<div>Wings Female with or without o-ring</div> <div>G 1/2</div> <div></div>	<div>Swivel Male</div> <div>G 3/8</div> <div>G 1/2</div> <div></div>	<div>Brass Push-Fit</div> <div>ø 12</div> <div></div>				
		<div>Female with gasket</div> <div>G 3/8 - G 1/2</div> <div>G 3/4</div> <div></div>	<div>Elbow Female with gasket</div> <div>G 1/2 - G 3/4</div> <div></div>	<div>Extended Male</div> <div>G 3/8 - 26 mm</div> <div>G 1/2 - 28 mm</div> <div></div>					

Inliner Range	Nominal Diameter								
<div><div></div> Silicone</div> <div><div></div> EPDM</div> <div><div></div> Thermoplastic</div> <div><div></div> Butyl</div>	DN13	Male G 3/8 G 1/2 G 3/4		Female without gasket G 3/8 G 1/2 G 3/4		Elbow Female without gasket G 1/2 G 3/4 G 1"		Smooth Pipe ø 15 mm	
		Safety end Pipe ø 15 mm		Compressor Fitting ø 12 mm ø 15 mm		Brass Push-Fit ø 12		Female with gasket G 1/2 - G 3/4	
		Elbow Female with gasket G 1/2 - G 3/4		Extended Male G 1/2 - 28 mm					

Inliner Range	Nominal Diameter								
<div><div></div> EPDM</div> <div><div></div> Butyl</div>	DN15	Male G 1/2 G 3/4		Female G 1/2 G 3/4		Elbow Female G 1/2 G 3/4		Smooth Pipe ø 15 mm	

Inliner Range	Nominal Diameter								
<div><div></div> Silicone</div> <div><div></div> EPDM</div> <div><div></div> Butyl</div>	DN18	Male G 3/4 G 1"		Female G 3/4 G 1"		Elbow Female G 3/4 G 1"		Smooth Pipe ø 22 mm	




































































































































































































Inliner Range	Nominal Diameter								
<div><div></div> Silicone</div> <div><div></div> EPDM</div> <div><div></div> Butyl</div>	DN25	Male G 1"		Female G 1" G 1" 1/4 G 1" 1/2		Elbow Female G 1"		Smooth Pipe ø 28 mm	
























































Inliner Range	Nominal Diameter						
<div><div></div> Silicone</div> <div><div></div> EPDM</div> <div><div></div> Butyl</div>	DN32	Male G 1" 1/4		Female G 1" 1/4		Elbow Female G 1" 1/4	


Inliner Range	Nominal Diameter		
<div> EPDM</div>	DN40	Male G 1" 1/2	Female G 1" 1/2

Inliner Range	Nominal Diameter		
 EPDM	DN50	Male G 2"	Female G 2"














































APPROVALS














































Nominal Diameter								
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	Inliner Range:	  						
<table><tr><td rowspan="3"></td><td>Nation: UK</td><td></td></tr><tr><td>Certification: WRAS</td><td></td></tr><tr><td>Inliner Range:</td><td></td></tr></table>		Nation: UK		Certification: WRAS		Inliner Range:	   	
		Nation: UK						
		Certification: WRAS						
	Inliner Range:	   						








































Nominal Diameter						
DN8	<div> IT-01-450413</div> <div>Nation: Italy</div> <div>Certification: DM 174</div> <div>Inliner Range: </div>	<div></div> <div>Nation: Australia</div> <div>Certification: WATERMARK</div> <div>Inliner Range: </div>	<div></div> <div>Nation: Denmark</div> <div>Certification: VA</div> <div>Inliner Range: </div>			
	<div></div> <div>Nation: France</div> <div>Certification: QB</div> <div>Inliner Range: </div>	<div></div> <div>Nation: Germany</div> <div>Certification: DVGW - TÜV</div> <div>Inliner Range:  (DVGW - TÜV)  (DVGW)</div>	<div></div> <div>Nation: Norway</div> <div>Certification: SINTEF</div> <div>Inliner Range: </div>			
	<div></div> <div>Nation: Holland</div> <div>Certification: KIWA</div> <div>Inliner Range: </div>	<div></div> <div>Nation: Switzerland</div> <div>Certification: SVGW</div> <div>Inliner Range: </div>	<div></div> <div>Nation: Sweden</div> <div>Certification: RISE</div> <div>Inliner Range: </div>			
	<div></div> <div>Nation: USA</div> <div>Certification: NSF - IAPMO</div> <div>Inliner Range: </div>	<div></div> <div>Nation: UE</div> <div>Certification: EN 13618</div> <div>Inliner Range: </div>	<div></div> <div>Nation: UK</div> <div>Certification: WRAS</div> <div>Inliner Range: </div>			
























































 Silicone
  EPDM
  Thermoplastic
  PEX

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Nominal Diameter					
DN10	<table><tr><td rowspan="3"></td><td>Nation: Italy </td></tr><tr><td>Certification: DM 174</td></tr><tr><td>Inliner Range:  </td></tr></table>		Nation: Italy 	Certification: DM 174	Inliner Range:  
			Nation: Italy 		
			Certification: DM 174		
		Inliner Range:  			
<table><tr><td rowspan="3"></td><td>Nation: France </td></tr><tr><td>Certification: QB</td></tr><tr><td>Inliner Range:  </td></tr></table>		Nation: France 	Certification: QB	Inliner Range:  	
		Nation: France 			
		Certification: QB			
	Inliner Range:  				
<table><tr><td rowspan="3"></td><td>Nation: Holland </td></tr><tr><td>Certification: KIWA</td></tr><tr><td>Inliner Range: </td></tr></table>		Nation: Holland 	Certification: KIWA	Inliner Range: 	
		Nation: Holland 			
		Certification: KIWA			
	Inliner Range: 				
<table><tr><td rowspan="3"></td><td>Nation: USA </td></tr><tr><td>Certification: NSF - IAPMO</td></tr><tr><td>Inliner Range:  </td></tr></table>		Nation: USA 	Certification: NSF - IAPMO	Inliner Range:  	
		Nation: USA 			
		Certification: NSF - IAPMO			
	Inliner Range:  				



















































<table><tr><td rowspan="3"></td><td>Nation: Australia </td></tr><tr><td>Certification: WATERMARK</td></tr><tr><td>Inliner Range:  </td></tr></table>		Nation: Australia 	Certification: WATERMARK	Inliner Range:  
		Nation: Australia 		
		Certification: WATERMARK		
	Inliner Range:  			
<table><tr><td rowspan="3"></td><td>Nation: Germany </td></tr><tr><td>Certification: DVGW - TÜV</td></tr><tr><td>Inliner Range:  (TÜV)  (DVGW)</td></tr></table>		Nation: Germany 	Certification: DVGW - TÜV	Inliner Range:  (TÜV)  (DVGW)
		Nation: Germany 		
		Certification: DVGW - TÜV		
	Inliner Range:  (TÜV)  (DVGW)			
<table><tr><td rowspan="3"></td><td>Nation: Switzerland </td></tr><tr><td>Certification: SVGW</td></tr><tr><td>Inliner Range: </td></tr></table>		Nation: Switzerland 	Certification: SVGW	Inliner Range: 
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		Certification: SVGW		
	Inliner Range: 			
<table><tr><td rowspan="3"></td><td>Nation: UE </td></tr><tr><td>Certification: EN 13618</td></tr><tr><td>Inliner Range:  </td></tr></table>		Nation: UE 	Certification: EN 13618	Inliner Range:  
		Nation: UE 		
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	Inliner Range:  			

<table><tr><td rowspan="3"></td><td>Nation: Denmark </td></tr><tr><td>Certification: VA</td></tr><tr><td>Inliner Range: </td></tr></table>		Nation: Denmark 	Certification: VA	Inliner Range: 
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		Certification: VA		
	Inliner Range: 			
<table><tr><td rowspan="3"></td><td>Nation: Norway </td></tr><tr><td>Certification: SINTEF</td></tr><tr><td>Inliner Range: </td></tr></table>		Nation: Norway 	Certification: SINTEF	Inliner Range: 
		Nation: Norway 		
		Certification: SINTEF		
	Inliner Range: 			
<table><tr><td rowspan="3"></td><td>Nation: Sweden </td></tr><tr><td>Certification: RISE</td></tr><tr><td>Inliner Range: </td></tr></table>		Nation: Sweden 	Certification: RISE	Inliner Range: 
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		Certification: RISE		
	Inliner Range: 			
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		Nation: UK 		
		Certification: WRAS		
	Inliner Range:  			

Nominal Diameter						
DN13		Nation: Italy 		Nation: Australia 		Nation: Denmark 
		Certification: DM 174		Certification: WATERMARK		Certification: VA
		Inliner Range:   		Inliner Range:   		Inliner Range:  
		Nation: France 		Nation: Germany 		Nation: Norway 
	Certification: QB		Certification: DVGW - TÜV		Certification: SINTEF	
	Inliner Range:   		Inliner Range:  (DVGW - TÜV)  (TÜV)  (DVGW)		Inliner Range:  	
	Nation: Holland 		Nation: Switzerland 		Nation: Sweden 	
	Certification: KIWA		Certification: SVGW		Certification: RISE	
	Inliner Range:  		Inliner Range:  		Inliner Range:  	
	Nation: USA 		Nation: UE 		Nation: UK 	
	Certification: NSF - IAPMO		Certification: EN 13618		Certification: WRAS	
	Inliner Range:   		Inliner Range:   		Inliner Range:   	

 Silicone
  EPDM
  Thermoplastic
  PEX

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Nominal Diameter						
DN15		Nation: France  Certification: QB Inliner Range: 		Nation: Germany  Certification: TÜV Inliner Range: 	EN 13618	Nation: UE  Certification: EN 13618 Inliner Range: 
DN18		Nation: France  Certification: QB Inliner Range: 		Nation: Germany  Certification: DVGW - TÜV Inliner Range:  (DVGW - TÜV)  (TÜV)	EN 13618	Nation: UE  Certification: EN 13618 Inliner Range:  
		Nation: UK  Certification: WRAS Inliner Range: 				
DN25		Nation: France  Certification: QB Inliner Range: 		Nation: Germany  Certification: DVGW - TÜV Inliner Range:  (DVGW - TÜV)  (TÜV)	EN 13618	Nation: UE  Certification: EN 13618 Inliner Range:  
DN32		Nation: France  Certification: QB Inliner Range: 		Nation: Germany  Certification: DVGW - TÜV Inliner Range:  (DVGW - TÜV)  (TÜV)		
DN40		Nation: France  Certification: QB Inliner Range: 		Nation: Germany  Certification: TÜV Inliner Range: 		
DN50		Nation: France  Certification: QB Inliner Range: 		Nation: Germany  Certification: TÜV Inliner Range: 		

 Silicone
  EPDM

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FLEXIBLE HOSES FOR HOUSEHOLD APPLIANCES

3.1 / E-FLEX INOX

E-FLEX INOX FOR HOUSEHOLD APPLIANCES



Pipe for connection of household appliances in diameters DN8, DN10 and DN13. The external stainless steel braid guarantees durability and resistance to external agents, main-

taining a discrete flexibility as well as a high resistance to pressure and temperature, ideal for hot water. Available with stainless steel braid and socket and brass fittings.

TECHNICAL DATA



DN

8
10
13



Max temperature

70 °C



Max pressure

10 bar



Flow rate at 3 bar

28 l/min
46 l/min
74 l/min



Min. bending
radius

48 mm
56 mm
72 mm



Inliner pipe

EPDM



Braiding

INOX AISI
304



Fittings

CW617N

APPLICATIONS



washing machines



dishwasher

INLINER PIPE



EPDM

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

TYPE OF FITTINGS

**Female with
gasket inserted**
G 3/4



**Elbow female
with gasket
inserted**
G 3/4



APPROVALS

EN 13618
UE



Instructions
Pag. 118

Please contact our technical department for further information

EFI 801




● G 3/4



Female with gasket inserted

Female with gasket inserted

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
CGGGRS1000LAN	Female with gasket inserted G 3/4	8	1000	228	-	10
CGGGRS1500LAN			1500	290	-	10
CGGGRS2000LAN			2000	352	-	10
CGGGRS2500LAN	Female with gasket inserted G 3/4		2500	415	-	10
CGGGRS3000LAN			3000	477	-	10

EFI 1001




● G 3/4



Female with gasket inserted

Female with gasket inserted

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
FGGGRS1000LAN	Female with gasket inserted G 3/4	10	1000	246	-	10
FGGGRS1500LAN			1500	319	-	10
FGGGRS2000LAN			2000	393	-	10
FGGGRS2500LAN	Female with gasket inserted G 3/4		2500	466	-	10
FGGGRS3000LAN			3000	539	-	10

EFI 1301




● G 3/4



Female with gasket inserted

Female with gasket inserted

● G 3/4

CODE	FITTINGS	DN	LENGHT mm			
MGGGRS1000LAN	Female with gasket inserted G 3/4	13	1000	350	-	10
MGGGRS1500LAN			1500	472	-	10
MGGGRS2000LAN			2000	594	-	10
MGGGRS2500LAN	Female with gasket inserted G 3/4		2500	717	-	5
MGGGRS3000LAN			3000	839	-	5


 DN
8
10
13

 Max temperature
70 °C

 Max pressure
10 bar

 Flow rate at 3 bar
28 l/min
46 l/min
74 l/min

 Min. bending radius
48 mm
56 mm
72 mm

 Inliner pipe
EPDM

 Braiding
INOX AISI 304

 Fittings
CW617N

 Instructions
Pag. 118

EFI 802




● G 3/4



● G 3/4

Female with gasket inserted

Elbow Female with gasket inserted

CODE	FITTINGS	DN	LENGHT mm				
CGGHZS1000LAN	Female with gasket inserted G 3/4	8	1000	224	-	10	
CGGHZS1500LAN			1500	286	-	10	
CGGHZS2000LAN	Elbow Female with gasket inserted G 3/4		2000	349	-	10	
CGGHZS2500LAN			2500	411	-	10	
CGGHZS3000LAN			3000	474	-	10	

EFI 1002




● G 3/4



● G 3/4

Female with gasket inserted

Elbow Female with gasket inserted

CODE	FITTINGS	DN	LENGHT mm				
FGGHZS1000LAN	Female with gasket inserted G 3/4	10	1000	259	-	10	
FGGHZS1500LAN			1500	332	-	10	
FGGHZS2000LAN	Elbow Female with gasket inserted G 3/4		2000	405	-	10	
FGGHZS2500LAN			2500	479	-	10	
FGGHZS3000LAN			3000	552	-	10	

EFI 1302




● G 3/4



● G 3/4

Female with gasket inserted

Elbow Female with gasket inserted

CODE	FITTINGS	DN	LENGHT mm				
MGGHZS1000LAN	Female with gasket inserted G 3/4	13	1000	360	-	10	
MGGHZS1500LAN			1500	482	-	10	
MGGHZS2000LAN	Elbow Female with gasket inserted G 3/4		2000	605	-	10	
MGGHZS2500LAN			2500	727	-	5	
MGGHZS3000LAN			3000	849	-	5	



DN
8
10
13



Max temperature
70 °C



Max pressure
10 bar



Flow rate at 3 bar
28 l/min
46 l/min
74 l/min



Min. bending radius
48 mm
56 mm
72 mm



Inliner pipe
EPDM



Braiding
INOX AISI 304



Fittings
CW617N



Instructions
Pag. 118



FLEXIBLE HOSES FOR HOUSEHOLD APPLIANCES

3.2 / E-FLEX

E-FLEX WITHOUT BRAIDING



Reinforced PVC hose for cold water, with nylon fittings; available in versions with female/female and female/female curved nylon fittings, always with gasket inserted.

TECHNICAL DATA



DN

10



Max temperature

30 °C



Max pressure

10 bar



Flow rate at 3 bar

46 l/min



Min. bending
radius

60 mm



Inliner pipe

PVC



Braiding

-



Fittings

NYLON PA
6.6

APPLICATIONS



washing machines



dishwasher

TYPE OF FITTINGS

**Female nylon
with gasket
inserted**
G 3/4



**Elbow Female
nylon with
gasket inserted**
G 3/4






EF 1001Female nylon with
gasket inserted

● G 3/4

Female nylon with
gasket inserted

● G 3/4




CODE	FITTINGS	DN	LENGHT mm			
60108210	Female nylon with gasket inserted G 3/4	10	1000	156	-	10
60108215			1500	218	-	10
60108220			2000	288	-	10
60108225	Female nylon with gasket inserted G 3/4		2500	382	-	5
60108230			3000	420	-	5

EF 1002Female nylon with
gasket inserted




● G 3/4

Elbow Female nylon
with gasket inserted

● G 3/4

CODE	FITTINGS	DN	LENGHT mm				
60108010	Female nylon with gasket inserted G 3/4	10	1000	164	-	10	
60108015			1500	218	-	10	
60108020			2000	290	-	10	
60108025	Elbow Female nylon with gasket inserted G 3/4		2500	388	-	5	
60108030			3000	420	-	5	

EF 1003Polypropylene out pipe with
elbow included.

CODE	FITTINGS	DN	LENGHT mm				
60001000	Hose Ø 19 x 25	10	1000	80	-	10	
60001500			1500	102	-	10	
60002000			2000	122	-	10	
60002500	Collar Ø 19 - Ø 21		2500	148	-	10	
60003000			3000	168	-	10	

EF 1004

EPDM gaskets without net.



CODE	FITTINGS	DN	LENGHT mm			
60120000CF	G 3/4	10	-	1	100	-

DN
10Max temperature
30 °CMax pressure
10 barFlow rate at 3 bar
46 l/minMin. bending radius
60 mmInliner pipe
PVCBraiding
-Fittings
NYLON PA 6.6Instructions
Pag. 118

ASSEMBLY INSTRUCTIONS

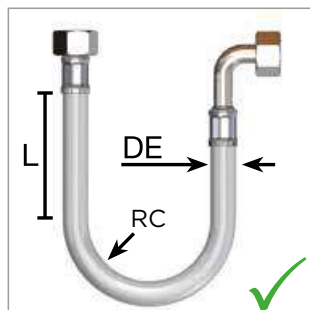
Luxor's flexible hoses are produced for water adduction and distribution. The use of other liquid elements or chemical solutions is not guaranteed if not clearly agreed with the Technical Office.

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

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

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

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



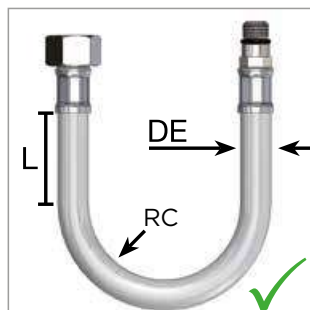
$RC \geq 4 DE$ $L \geq 4 DE$



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



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



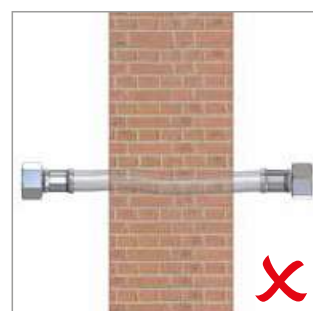
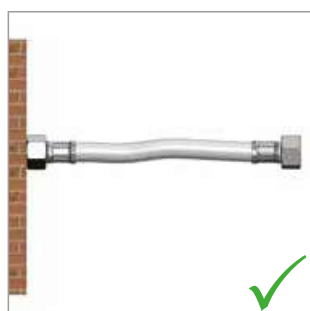
$RC \geq 4 DE$ $L \geq 4 DE$



Do not install flexible hoses under twisting or tension conditions.



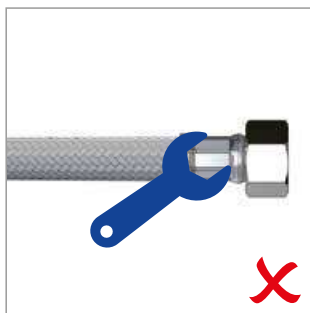
It must be possible to inspect the hoses. Do not install inside walls or in tunnels that cannot be inspected. Do not cover with insulating material (except for hoses with stainless steel braid and stainless steel ferrules).



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



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



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



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

NORMAL END CONNECTION FITTINGS

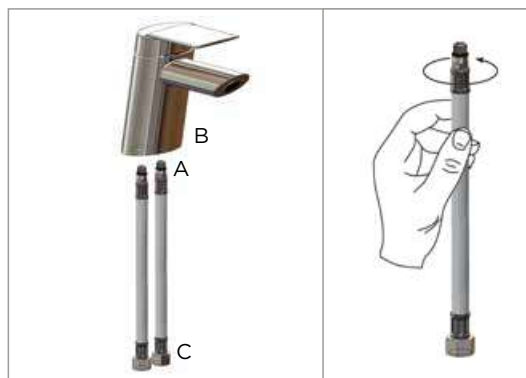
For a correct assembly please keep to the follow below instructions:

- check the threading of the fitting (A) of the flexible hose which must be corresponding to the one of the faucet's body (B);
- check that the gasket is regularly placed on the female fitting (C);
- do not use hemp and/or Teflon on the thread (A) of the fitting.

Attention! Clamps from 2 to 3 Nm.

The male with o-ring seat are specially studied to guarantee the tightness between the fitting and the body of the faucet.

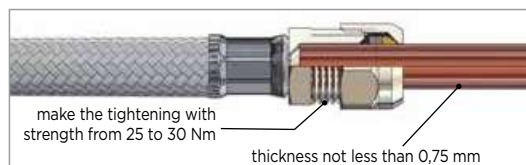
It is not necessary to tighten with a key, the strength of the hand is enough.



COMPRESSION FITTINGS

For a correct assembly please keep to the following instructions:

- check that the cartridge (2) is correctly installed as per scheme since if this is upside down it causes tightening problems;
- the tightening fittings must be connected to pipes with a wall thickness not less than 0,75 mm. The compression fittings RCG, RCC and RCB must be tightened with a clamping couple in a range 25 and 30 Nm.

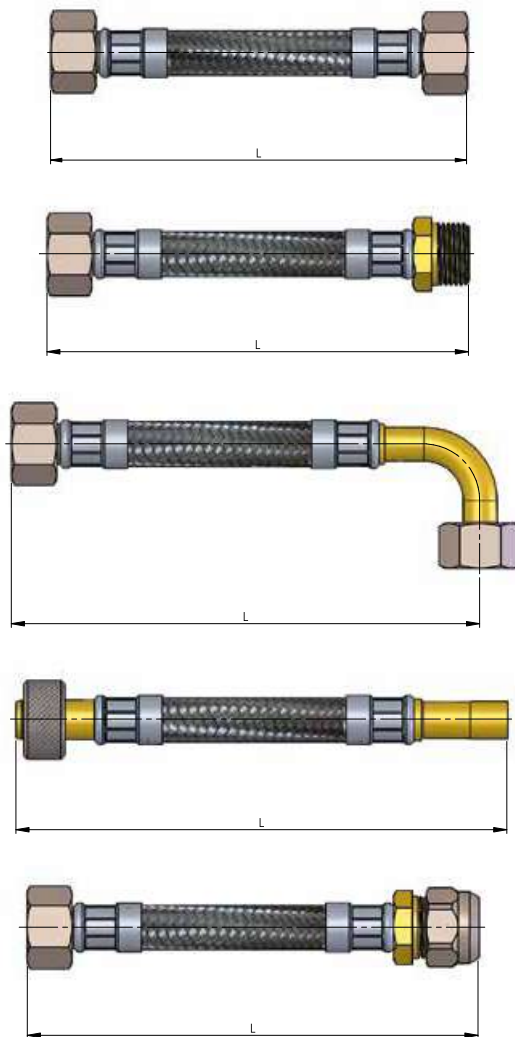


MAINTENANCE INSTRUCTIONS

- Periodically monitor the state of the hoses.
In case of oxidation or evident state of wear, replace.
 - Avoid direct or indirect exposure to corrosive substances, including substances used for cleaning (bleach and similar substances).
 - For cleaning only use damp (not wet) cloths without the aid of cleaning substances.
 - Avoid striking the hose with sharp or pointed objects
- to avoid breaking the external braid (including boxes and containers made of metal, wood or other materials).
- In the case of systems in periodically uninhabited places (for example holiday homes or in places with particularly harsh climatic conditions) always check closure of the system and, in any case, avoid leaving the system pressurised.

LENGTH INSTRUCTIONS

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



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

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

CONDITION OF SALE

ORDERS

Contracts entered by agents or representative are not definitive until they are regularly accepted by supplier. The orders sent either through our Agents or directly, are accepted under the "General Sales Conditions" described in the present Price List terms, and will agree, without reservation, to the terms below.

INCOTERMS

The consignments are always Ex works unless differently agreed in the sales contract.

PAYMENT TERMS

The payment terms are those specified in the offers and the order confirmation and are binding.

In case of delay of payment with respect to the agreed due terms, the commercial interest shall be calculated. The delayed payment of previous supplies will authorize us to cancel all orders in progress. Agents and representative are not entitled to collect credits, unless clearly authorised in writing by the supplier.

CLAIMS

Claims on quantities will be accepted within 8 days from the date of receipt of goods. The supplier will not be responsible for missing or damaged packages, unless in the despatch note it is clearly written "accepted with reservation".

COURT

For any controversies the place of jurisdiction shall be: the Court of Low of Brescia.

PRICES

Prices indicated are those clearly agreed in the contract sales confirmed by our order confirmation.

DELIVERY TERMS

The articles part of this catalogue will be consigned within a term of 90 days from order acceptance. Any date inferior to this term is not to be considered accepted unless confirmed in order confirmation.

The delivery times are not binding for the supplier, who will not respond for any damages arising directly or indirectly from delivery delays, or from a total or partial interruption of the supply.

PACKAGING

The standard packaging is at suppliers charges.

The standard packaging does not include special out of size or particular. Where any special packaging is required this will be at customer's charges, unless previously agreed in writing in the contract sales.

RETURN OF GOODS

No goods will be accepted without our previous authorization.

MINIMUM ORDER VALUE

The supplier in addition to checking the feasibility will have the right to deliver orders with a minimum value of 500 Euro.

WARRANTY

The guarantee terms refer to article 3 and 5 of the 199/44/CE Directive. The guarantee is supported by an adequate insurance policy for the "Product Third Party Liability". The guarantee declines any responsibility whereas the installation and the test have not been correctly carried out. The wholesalers and the retailers are compelled to illustrate to their customers and installers all the useful care for a correct installation of our materials.

CATALOGUE VALIDITY

Illustrations, data and references published in this issue are not binding on the supplier who reserves the right to make reasonable changes, both technical and commercial, at his discretion at any time, still without lowering the design performance of the goods.