LUXOR®

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.

DEKRA Sistema di gestione certificato ISO 9001 Certified management system ACCREDIA

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

CERTIFICATION

UNI EN 215 *EUROPE*	KIWA-UNI *ITALY*	DVGW *GERMANY*	*GERMANY*	*GERMANY*	TÜV *GERMANY*	QB *FRANCE*	*FRANCE*	SVGW *SWITZERLAND*	WRAS *GREAT BRITAIN*
VA *DENMARK*	SINTEF *NORWAY*	RISE *SWEDEN*	KIWA *HOLLAND*	PZH *POLAND*	UKRSEPRO *UKRAINE*	NSF *USA*	IAPMO *U.S. / CANADA*	GOST-R *RUSSIA*	WATERMARK *AUSTRALIA*

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.

LUXOR®

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.

QUALITY AND COMPLIANCE
Luxor's Company's Quality System and Luxor's flexible hoses are approved and certified by the most important International Institutes.

COMPLIANCE WITH EN 13618
EN 13618 compliant flexible hoses are available in sizes from DN 6 to DN 25 and are the optimum choice for carrying potable and sanitary water in any type of installation.

FLEET OF AUTOMATIC MACHINES
The production process makes use of cutting-edge machinery to ensure precise product execution at every stage.

ALL-ROUND DESIGN
Luxor handles the entire hose production process in-house, from design to assembly, ensuring total control over the quality and efficiency of its products.

CUSTOMISED SOLUTIONS
Luxor works with its customers to create customised flexible hoses, developing tailor-made products that meet market requirements.

CONTROL PROCEDURES
Luxor flexible hoses are subjected to rigorous inspection procedures using high resolution cameras to detect any defects, ensuring accurate verification of product quality.

CUSTOMISED FITTINGS
Luxor manufactures customised fittings and offers design services and customised solutions for its customers.

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!**

NOMINAL DIAMETER

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FITTINGS

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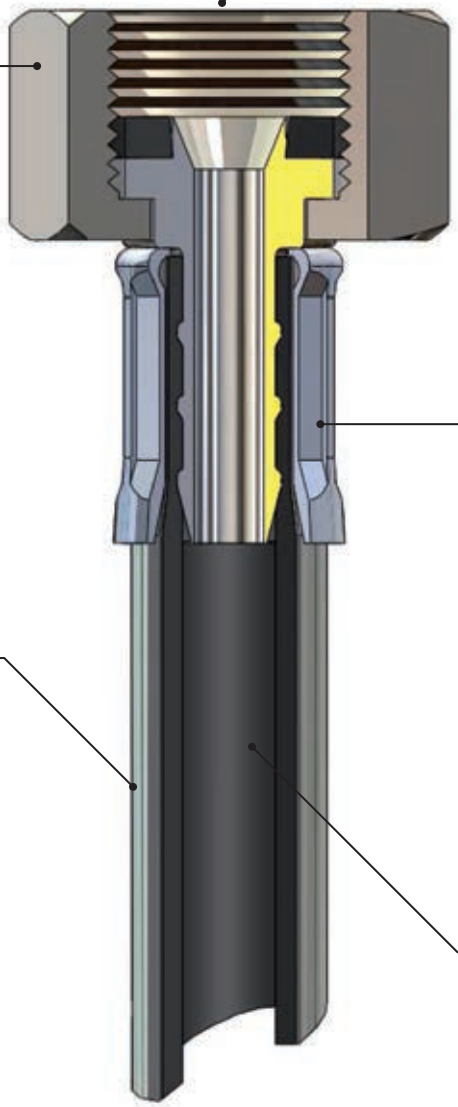

CLAMPING FERRULES

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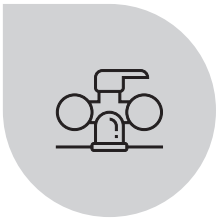
APPLICATIONS

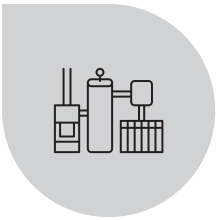
Luxor Spa's flexible hoses are the ideal solution for every application, both sanitary and industrial. They are safe and easy to install.

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



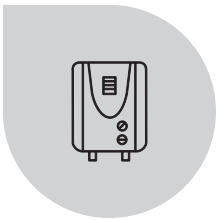
traditional taps

mixers



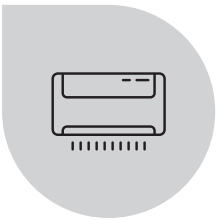
heating systems

flushing tanks



boilers

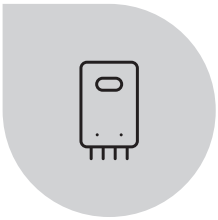
kitchen pull-out shower



conditioning systems / fan coil

washing machines

mounting columns



water heaters

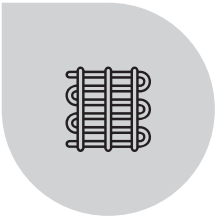
dishwasher

shower cabins

whirpools

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																●	●	●			●	●	●	

Silicone EPDM Thermoplastic PEX Butyl

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.

✓ HYGIENIC PURITY ✓ RESISTANCE TO HIGH TEMPERATURE

THERMOPLASTIC

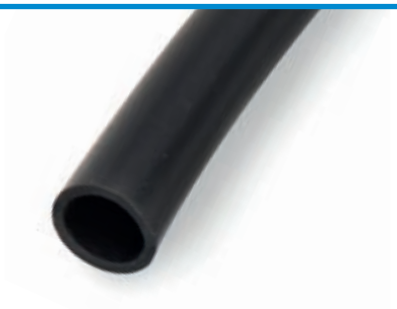
As the result of years of R&D of noble and high-performance materials, TP combines the purity and hygiene of PEX and silicone with the outstanding mechanical properties of EPDM.

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.

✓ APPROVALS ✓ FLEXIBILITY

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.



✓ MECHANICAL RESISTANCE ✓ COMPLETE RANGE

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.

✓ GOOD HYGIENIC PURITY

BUTYL

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

✓ RESISTANCE TO OXYGEN PERMEABILITY

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.

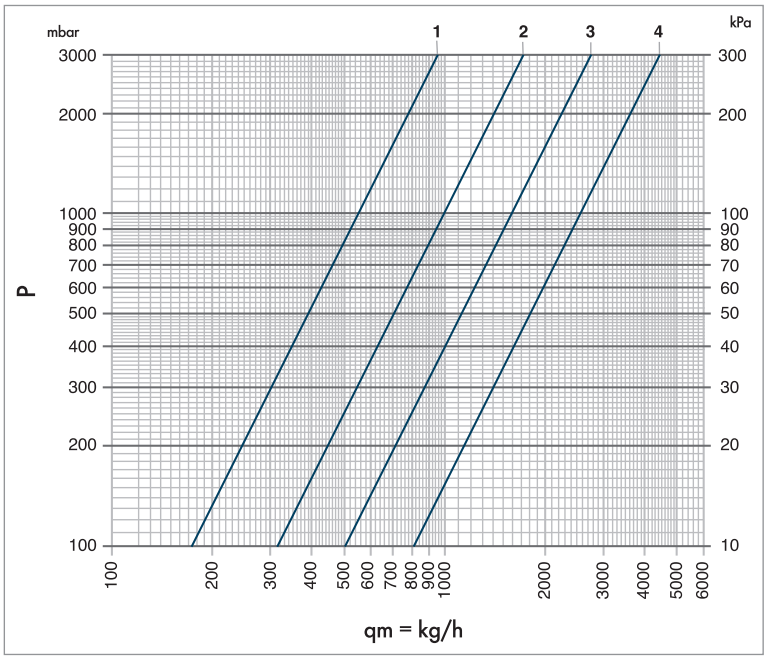
Inliner Range	Nominal Diameter	Inner ø mm	Outer ø mm	Min bending radius	Inner fittings ø mm	Flow rate at 3 bar	Max working pressure	Max working temperature	Min working temperature	Available Fittings	Available Braidings	Clamping ferrules material
	DN6	6,3	10	40	4,7	16 l/min	10 Bar	70° C	-5° C	Brass, stainless steel, plastic	Stainless steel, nylon PA 6.6	Stainless steel
	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	Stainless steel
	DN8	8,5	12,3	48	6,2	28 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel	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	Stainless steel
	DN10	9,4	13,7	56	7,5	46 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel	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	Stainless steel
	DN13	12,5	17,8	72	10	74 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel	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	Stainless steel
	DN15	15	19,8	80	12,5	83 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel	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	Stainless steel, aluminium
	DN18	19	25,7	104	15,5	200 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel	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	Stainless steel, aluminium
	DN25	25,5	32,8	132	21	280 l/min	10 Bar	90° C	-20° C	Brass	Stainless steel	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	Stainless steel, aluminium
	DN32	32	41,6	168	27	490 l/min	6 Bar	90° C	-20° C	Brass	Stainless steel	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	Aluminium
	DN50	50	65	275	41	1300 l/min	6 Bar	110° C	-5° C	Brass, stainless steel, galvanised steel	Stainless steel, galvanised steel	Aluminium

Silicone · EPDM · Thermoplastic · PEX · Butyl

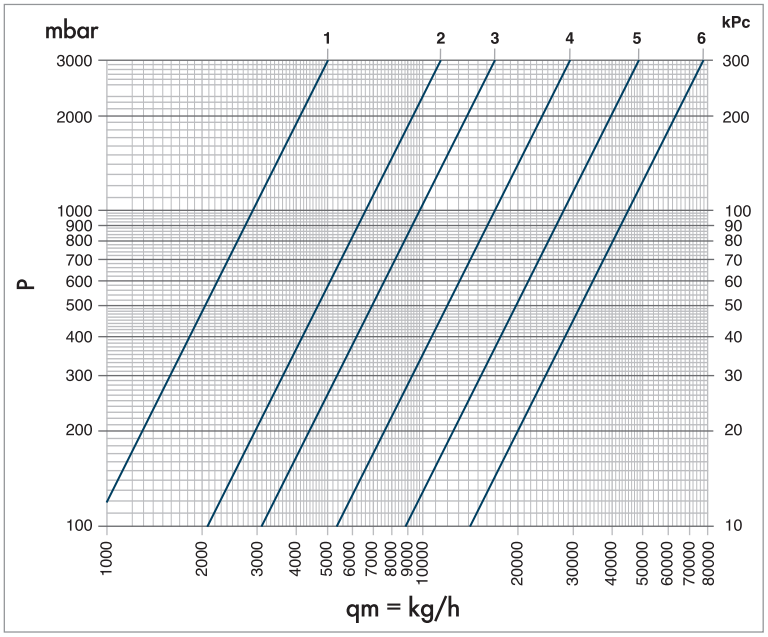
Please contact our technical department for further information

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

FITTINGS

MATERIALS

CW617N AND CW614N
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.

CW602N, CW724R, CW511L
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.

CW724R, CW511L, CW510L
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 special brass with very low content of lead (<0.2%).

ACCIAIO INOX AISI304
Where high resistance to oxidation and good resistance to mechanical stress is required, the fittings are produced in stainless steel AISI304.

DEOXIDATED PHOSPHOR COOPER
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.

STEEL AVP
For particular requirements 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.

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.

THE CHALLENGE
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.

PROCESSINGS
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).

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 			

Silicone EPDM Thermoplastic PEX Butyl

Please contact our technical department for further information

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

Inliner Range	Nominal Diameter				
Silicone EPDM Thermoplastic Butyl	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				
EPDM Butyl	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 

Silicone EPDM Thermoplastic PEX Butyl

Please contact our technical department for further information

Inliner Range	Nominal Diameter								
Silicone EPDM Butyl	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								
Silicone EPDM Butyl	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								
Silicone EPDM Butyl	DN32	Male G 1” 1/4		Female G 1” 1/4		Elbow Female G 1” 1/4			

Inliner Range	Nominal Diameter								
EPDM	DN40	Male G 1” 1/2		Female G 1” 1/2					

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

Silicone EPDM Thermoplastic PEX Butyl

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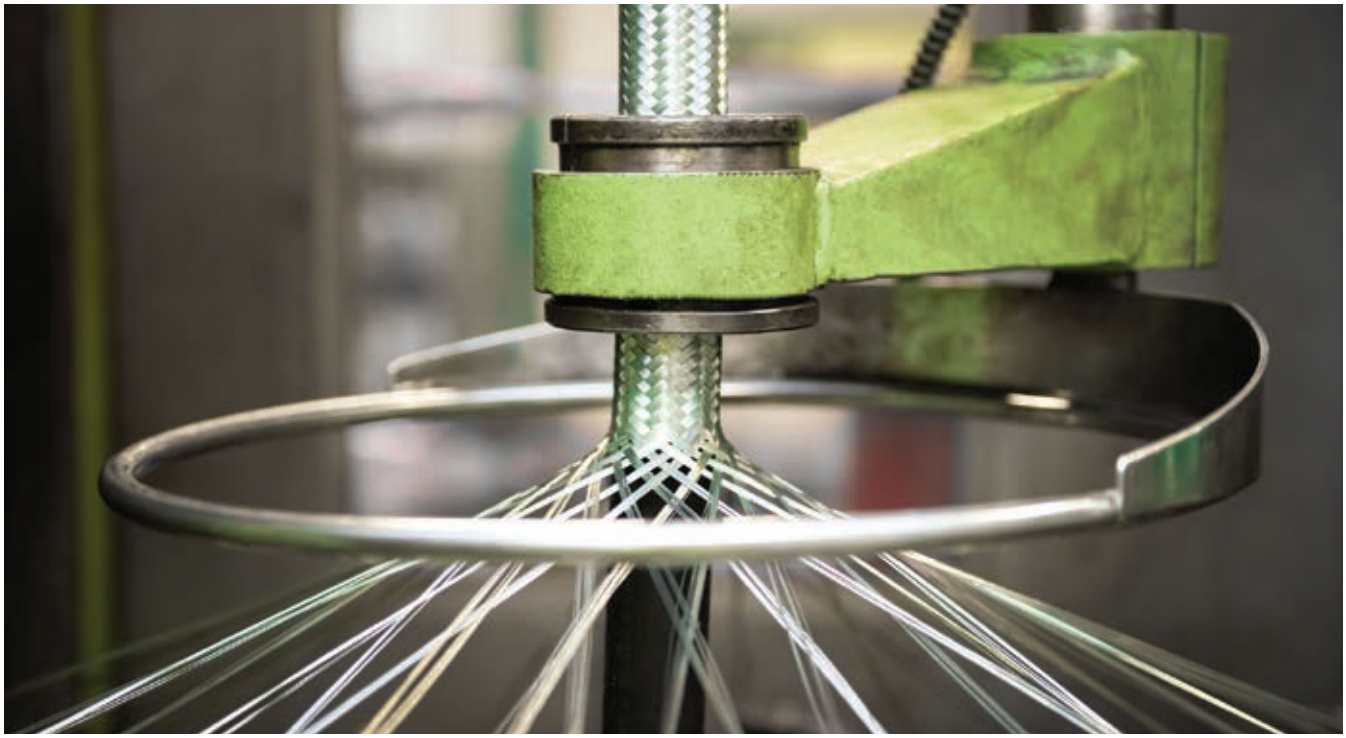
BRAIDING



MATERIALS

STAINLESS STEEL THREADS AISI 304

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

STEEL THREADS

Steel threads have a minimum ø 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.

APPROVALS

DN6

Nominal Diameter								
DN6	kiwa UNI IT-DT-KI0413	Nation: Italy Certification: DM 174 Inliner Range:	WaterMark	Nation: Australia Certification: WATERMARK Inliner Range:	VA	Nation: Denmark Certification: VA Inliner Range:
	QB	Nation: France Certification: QB Inliner Range:	DVGW	Nation: Germany Certification: DVGW Inliner Range:	SINTEF	Nation: Norway Certification: SINTEF Inliner Range:
	kiwa	Nation: Holland Certification: KIWA Inliner Range:	SVGW SSIGE	Nation: Switzerland Certification: SVGW Inliner Range:	RISE	Nation: Sweden Certification: RISE Inliner Range:
	NSF IAPMO	Nation: USA Certification: NSF - IAPMO Inliner Range: (NSF - IAPMO) (NSF)	EN 13618	Nation: UE Certification: EN 13618 Inliner Range:	WRAS	Nation: UK Certification: WRAS Inliner Range:

DN8

Nominal Diameter								
DN8	kiwa UNI IT-DT-KI0413	Nation: Italy Certification: DM 174 Inliner Range:	WaterMark	Nation: Australia Certification: WATERMARK Inliner Range:	VA	Nation: Denmark Certification: VA Inliner Range:
	QB	Nation: France Certification: QB Inliner Range:	DVGW TÜV	Nation: Germany Certification: DVGW - TÜV Inliner Range: (DVGW - TÜV) (DVGW)	SINTEF	Nation: Norway Certification: SINTEF Inliner Range:
	kiwa	Nation: Holland Certification: KIWA Inliner Range:	SVGW SSIGE	Nation: Switzerland Certification: SVGW Inliner Range:	RISE	Nation: Sweden Certification: RISE Inliner Range:
	NSF IAPMO	Nation: USA Certification: NSF - IAPMO Inliner Range:	EN 13618	Nation: UE Certification: EN 13618 Inliner Range:	WRAS	Nation: UK Certification: WRAS Inliner Range:

Silicone EPDM Thermoplastic PEX

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Nominal Diameter								
DN10	kiwa UNI IT-DT-Ki0413	Nation: Italy Certification: DM 174 Inliner Range:	WaterMark	Nation: Australia Certification: WATERMARK Inliner Range:	VA	Nation: Denmark Certification: VA Inliner Range:		
	QB	Nation: France Certification: QB Inliner Range:	DVGW TÜV SÜD	Nation: Germany Certification: DVGW - TÜV Inliner Range: (TÜV) (DVGW)	SINTEF	Nation: Norway Certification: SINTEF Inliner Range:		
	kiwa	Nation: Holland Certification: KIWA Inliner Range:	SVGW SSIGE	Nation: Switzerland Certification: SVGW Inliner Range:	RISE	Nation: Sweden Certification: RISE Inliner Range:		
	NSF IAPMO	Nation: USA Certification: NSF - IAPMO Inliner Range:	EN 13618	Nation: UE Certification: EN 13618 Inliner Range:	WRAS	Nation: UK Certification: WRAS Inliner Range:		

Nominal Diameter								
DN13	kiwa UNI IT-DT-Ki0413	Nation: Italy Certification: DM 174 Inliner Range:	WaterMark	Nation: Australia Certification: WATERMARK Inliner Range:	VA	Nation: Denmark Certification: VA Inliner Range:		
	QB	Nation: France Certification: QB Inliner Range:	DVGW TÜV SÜD	Nation: Germany Certification: DVGW - TÜV Inliner Range: (DVGW - TÜV) (TÜV) (DVGW)	SINTEF	Nation: Norway Certification: SINTEF Inliner Range:		
	kiwa	Nation: Holland Certification: KIWA Inliner Range:	SVGW SSIGE	Nation: Switzerland Certification: SVGW Inliner Range:	RISE	Nation: Sweden Certification: RISE Inliner Range:		
	NSF IAPMO	Nation: USA Certification: NSF - IAPMO Inliner Range:	EN 13618	Nation: UE Certification: EN 13618 Inliner Range:	WRAS	Nation: UK Certification: WRAS Inliner Range:		

Silicone EPDM Thermoplastic PEX

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.

Nominal Diameter								
DN15	QB	Nation: **France** Certification: **QB** Inliner Range:		TÜV	Nation: **Germany** Certification: **TÜV** Inliner Range:		EN 13618	Nation: **UE** Certification: **EN 13618** Inliner Range:

Nominal Diameter								
DN18	QB	Nation: **France** Certification: **QB** Inliner Range:		DVGW TÜV	Nation: **Germany** Certification: **DVGW - TÜV** Inliner Range: (DVGW - TÜV) (TÜV)		EN 13618	Nation: **UE** Certification: **EN 13618** Inliner Range:
	WRAS	Nation: **UK** Certification: **WRAS** Inliner Range:						

Nominal Diameter								
DN25	QB	Nation: **France** Certification: **QB** Inliner Range:		DVGW TÜV	Nation: **Germany** Certification: **DVGW - TÜV** Inliner Range: (DVGW - TÜV) (TÜV)		EN 13618	Nation: **UE** Certification: **EN 13618** Inliner Range:

Nominal Diameter					
DN32	QB	Nation: **France** Certification: **QB** Inliner Range:	DVGW TÜV	Nation: **Germany** Certification: **DVGW - TÜV** Inliner Range: (DVGW - TÜV) (TÜV)	

Nominal Diameter					
DN40	ACS	Nation: **France** Certification: **QB** Inliner Range:	TÜV	Nation: **Germany** Certification: **TÜV** Inliner Range:	

Nominal Diameter					
DN50	ACS	Nation: **France** Certification: **QB** Inliner Range:	TÜV	Nation: **Germany** Certification: **TÜV** Inliner Range:	

Silicone EPDM

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LUXOR®

FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

4.1 / ACFZ-S

ACFZ-S

GALVANIZED STEEL FLEXIBLES

For industrial applications where a high flow rate and a high maximum temperature are required, these large hoses, from diameter DN15 to DN50, are used.

TECHNICAL DATA

DN	Max temperature	Max pressure	Flow rate at 3 bar
15	110 °C	10 bar	83 l/min
18		10 bar	200 l/min
25		10 bar	280 l/min
32		6 bar	490 l/min
40		6 bar	800 l/min
50		6 bar	1300 l/min

Min. bending radius	Inliner pipe	Braiding	Fittings
80 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL o GALVANIZED CW617N
104 mm			
132 mm			
168 mm			
212 mm			
275 mm			

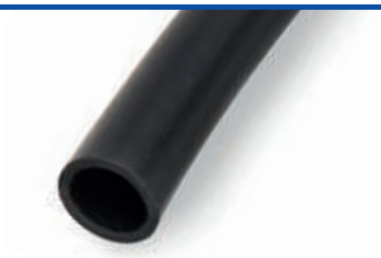
APPLICATIONS

pumps

mounting columns

heating systems

INLINER PIPE



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

TYPE OF FITTINGS

Male
G 1/2
G 3/4
G 1”
G 1” 1/4
G 1” 1/2
G 2”

Female
G 1/2
G 3/4
G 1”
G 1” 1/4
G 1” 1/2
G 2”

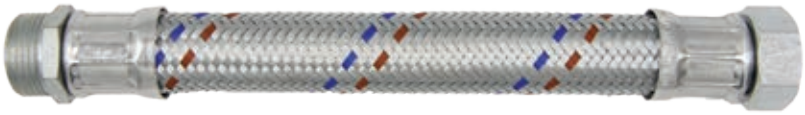
Elbow Female
G 1/2
G 3/4
G 1”
G 1” 1/4

Instructions
Pag. 116

Please contact our technical department for further information

AC 1501

● G 1/2



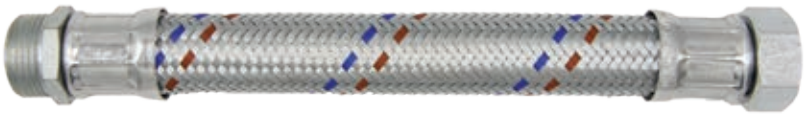
● G 1/2

Male Female

CODE	FITTINGS	DN	LENGTH mm	g		
QZMANZ0300LAE	Male **G 1/2** Female **G 1/2**	15	300	187	5	-
QZMANZ0400LAE			400	222	5	-
QZMANZ0500LAE			500	257	5	-
QZMANZ0600LAE			600	291	5	-
QZMANZ0700LAE			700	326	5	-
QZMANZ0800LAE			800	360	5	-
QZMANZ1000LAE			1000	430	5	-

AC 1801

● G 3/4



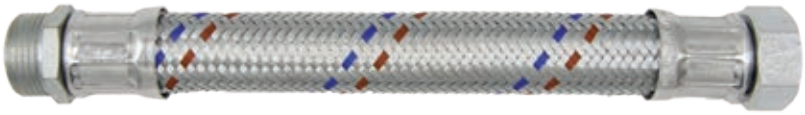
● G 3/4

Male Female

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

AC 1802

● G 1”



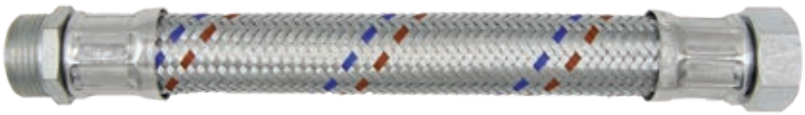
● G 1”

Male Female

CODE	FITTINGS	DN	LENGTH mm	g		
SZMABG0300LAE	Male **G 1”** Female **G 1”**	18	300	321	5	-
SZMABG0400LAE			400	371	5	-
SZMABG0500LAE			500	422	5	-
SZMABG0600LAE			600	473	5	-
SZMABG0700LAE			700	524	5	-
SZMABG0800LAE			800	575	5	-
SZMABG1000LAE			1000	677	5	-

AC 2501

● G 1”



● G 1”

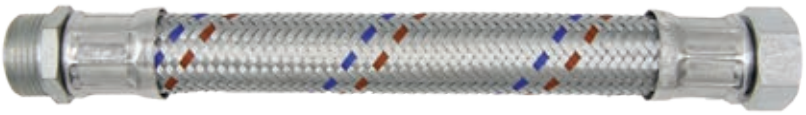
Male Female

CODE	FITTINGS	DN	LENGTH mm	g		
TZMABG0300LAE	Male **G 1”** Female **G 1”**	25	300	389	5	-
TZMABG0400LAE			400	459	5	-
TZMABG0500LAE			500	530	5	-
TZMABG0600LAE			600	601	5	-
TZMABG0700LAE			700	672	5	-
TZMABG0800LAE			800	742	5	-
TZMABG1000LAE			1000	884	5	-

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25	110 °C	10 bar 10 bar 10 bar	83 l/min 200 l/min 280 l/min	80 mm 104 mm 132 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL o GALVANIZED CW617N	Pag. 116

AC 3201

● G 1" 1/4



● G 1" 1/4

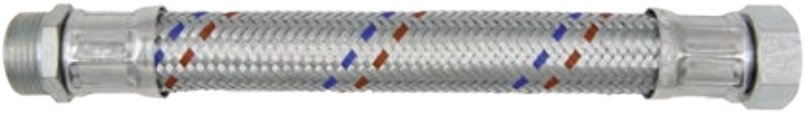
Male

Female

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

AC 4001

● G 1" 1/2



● G 1" 1/2

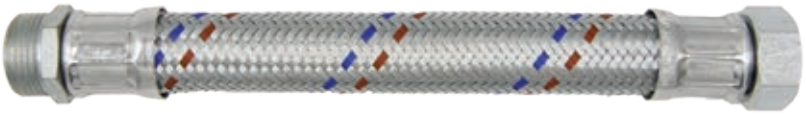
Male

Female

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

AC 5001

● G 2"



● G 2"

Male

Female

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
32 40 50	110 °C	6 bar 6 bar 6 bar	490 l/min 800 l/min 1300 l/min	168 mm 212 mm 275 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL	Pag. 116

AC 1502

● G 1/2 — Female

● G 1/2 — Female

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

AC 1803

● G 3/4 — Female

● G 3/4 — Female

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

AC 1804

● G 1" — Female

● G 1" — Female

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

AC 2502

● G 1" — Female

● G 1" — Female

CODE	FITTINGS	DN	LENGTH mm	g		
TZMFBG0300LAE	Female **G 1"** Female **G 1"**	25	300	388	5	-
TZMFBG0400LAE			400	459	5	-
TZMFBG0500LAE			500	529	5	-
TZMFBG0600LAE			600	600	5	-
TZMFBG0700LAE			700	671	5	-
TZMFBG0800LAE			800	741	5	-
TZMFBG1000LAE			1000	883	5	-

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25	110 °C	10 bar 10 bar 10 bar	83 l/min 200 l/min 280 l/min	80 mm 104 mm 132 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL	Pag. 116

AC 3202

● G 1" 1/4

● G 1" 1/4

Female

Female

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

AC 4002

● G 1" 1/2

● G 1" 1/2

Female

Female

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

AC 5002

● G 2"

● G 2"

Female

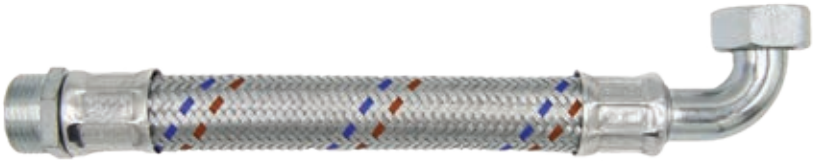
Female

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
32 40 50	110 °C	6 bar 6 bar 6 bar	490 l/min 800 l/min 1300 l/min	168 mm 212 mm 275 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL	Pag. 116

AC 1503

● G 1/2



● G 1/2

Male

Elbow Female

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

AC 1805

● G 3/4

● G 3/4

Male

Elbow Female

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

AC 1806

● G 1”

● G 1”

Male

Elbow Female

CODE	FITTINGS	DN	LENGTH mm	g		
SZMDVG0300LAE	Male **G 1”** Elbow Female **G 1”**	18	300	317	2	-
SZMDVG0400LAE			400	368	2	-
SZMDVG0500LAE			500	419	2	-
SZMDVG0600LAE			600	470	2	-
SZMDVG0700LAE			700	520	2	-
SZMDVG0800LAE			800	571	2	-
SZMDVG1000LAE			1000	673	2	-

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18	110 °C	10 bar 10 bar	83 l/min 200 l/min	80 mm 104 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL	Pag. 116

AC 2503

● G 1"

● G 1"

Male

Elbow Female

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

AC 3203

● G 1" 1/4

● G 1" 1/4

Male

Elbow Female

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
25 32	110 °C	10 bar 6 bar	280 l/min 490 l/min	132 mm 168 mm	EPDM	GALVANIZED STEEL	GALVANIZED STEEL	Pag. 116

LUXOR®

FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

4.2 / ACFZ-B

ACFZ-B

BRASS FITTINGS

To meet the needs of more customers, ACFZ-B tubes were created, combining the cost-effectiveness of galvanised steel braids with the best features of brass fittings. These hoses are available from DN15 to DN50.

TECHNICAL DATA

DN	Max temperature	Max pressure	Flow rate at 3 bar
15	110 °C	10 bar	83 l/min
18		10 bar	200 l/min
25		10 bar	280 l/min
32		6 bar	490 l/min
40		6 bar	800 l/min
50		6 bar	1300 l/min

Min. bending radius	Inliner pipe	Braiding	Fittings
80 mm	EPDM	GALVANIZED STEEL	CW617N
104 mm			
132 mm			
168 mm			
212 mm			
275 mm			

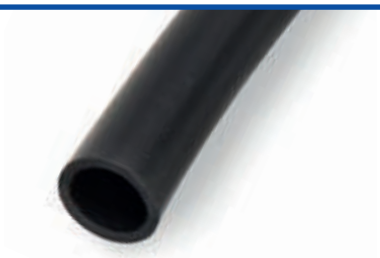
APPLICATIONS

pumps

mounting columns

heating systems

INLINER PIPE



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

TYPE OF FITTINGS

Male (Brass fittings)
G 1/2
G 3/4
G 1”
G 1” 1/4
G 1” 1/2
G 2”

Female (Brass fittings)
G 1/2
G 3/4
G 1”
G 1” 1/4
G 1” 1/2
G 2”

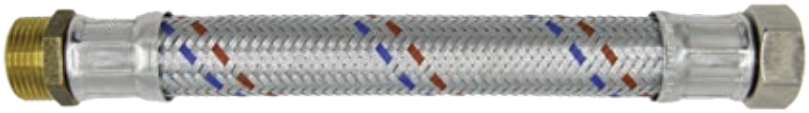
Elbow Female (Brass fittings)
G 1/2
G 3/4
G 1”
G 1” 1/4

Instructions
Pag. 116

Please contact our technical department for further information

AC 1504

● G 1/2



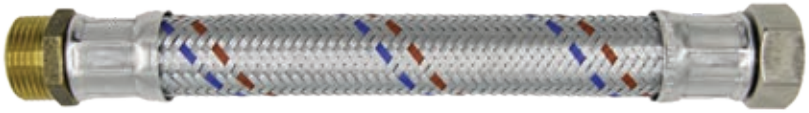
● G 1/2

Male (Brass fittings) — Female (Brass fittings)

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

AC 1807

● G 3/4



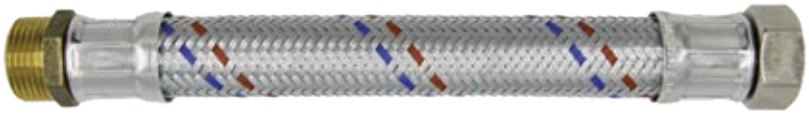
● G 3/4

Male (Brass fittings) — Female (Brass fittings)

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

AC 2504

● G 1”



● G 1”

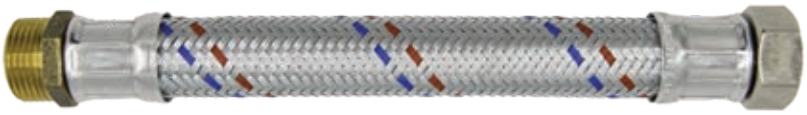
Male (Brass fittings) — Female (Brass fittings)

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25	110 °C	10 bar 10 bar 10 bar	83 l/min 200 l/min 280 l/min	80 mm 104 mm 132 mm	EPDM	GALVANIZED STEEL	CW617N	Pag. 116

AC 3204

● G 1" 1/4 — ● G 1" 1/4

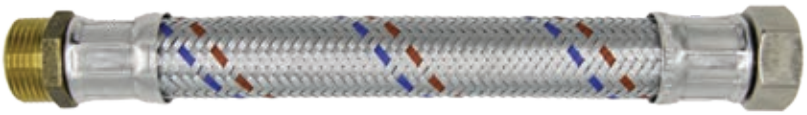


Male (Brass fittings) — Female (Brass fittings)

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

AC 4003

● G 1" 1/2 — ● G 1" 1/2

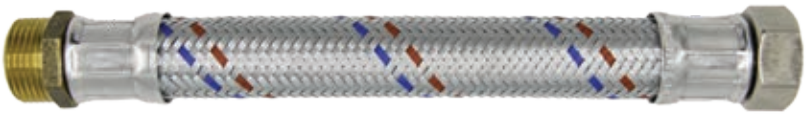


Male (Brass fittings) — Female (Brass fittings)

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

AC 5003

● G 2" — ● G 2"



Male (Brass fittings) — Female (Brass fittings)

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
32 40 50	110 °C	6 bar 6 bar 6 bar	490 l/min 800 l/min 1300 l/min	168 mm 212 mm 275 mm	EPDM	GALVANIZED STEEL	CW617N	Pag. 116

AC 1505

● G 1/2

● G 1/2

Female (Brass fittings)

Female (Brass fittings)

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

AC 1808

● G 3/4

● G 3/4

Female (Brass fittings)

Female (Brass fittings)

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

AC 2505

● G 1”

● G 1”

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGTH mm	g		
TZMFAS0300LAE	Female (Brass fittings) **G 1”** Female (Brass fittings) **G 1”**	25	300	508	5	-
TZMFAS0400LAE			400	578	5	-
TZMFAS0500LAE			500	649	5	-
TZMFAS0600LAE			600	720	5	-
TZMFAS0700LAE			700	790	5	-
TZMFAS0800LAE			800	861	5	-
TZMFAS1000LAE			1000	1.002	5	-

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25	110 °C	10 bar 10 bar 10 bar	83 l/min 200 l/min 280 l/min	80 mm 104 mm 132 mm	EPDM	GALVANIZED STEEL	CW617N	Pag. 116

AC 3205

● G 1" 1/4

● G 1" 1/4

Female (Brass fittings)

Female (Brass fittings)

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

AC 4004

● G 1" 1/2

● G 1" 1/2

Female (Brass fittings)

Female (Brass fittings)

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

AC 5004

● G 2"

● G 2"

Female (Brass fittings)

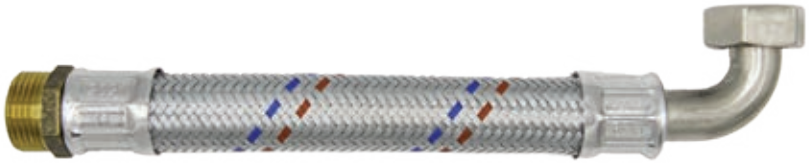
Female (Brass fittings)

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
32 40 50	110 °C	6 bar 6 bar 6 bar	490 l/min 800 l/min 1300 l/min	168 mm 212 mm 275 mm	EPDM	GALVANIZED STEEL	CW617N	Pag. 116

AC 1506

● G 1/2



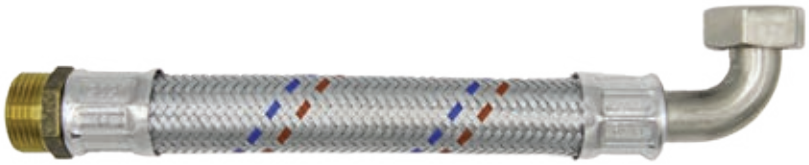
● G 1/2

Male (Brass fittings) — Elbow Female (Brass fittings)

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

AC 1809

● G 3/4



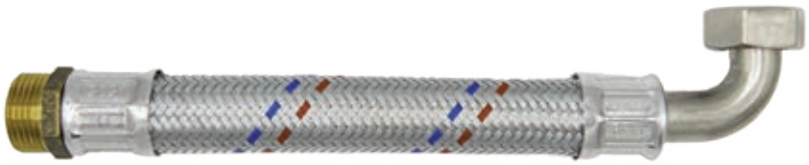
● G 3/4

Male (Brass fittings) — Elbow Female (Brass fittings)

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

AC 2506

● G 1”



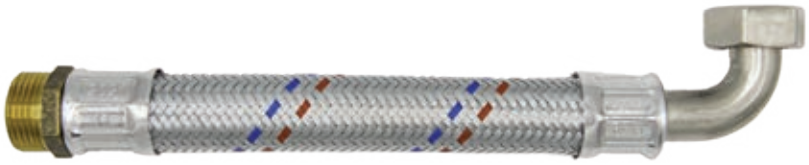
● G 1”

Male (Brass fittings) — Elbow Female (Brass fittings)

CODE	FITTINGS	DN	LENGTH mm	g		
TZMDUS0300LAE	Male (Brass fittings) **G 1”** Elbow Female (Brass fittings) **G 1”**	25	300	413	2	-
TZMDUS0400LAE			400	483	2	-
TZMDUS0500LAE			500	554	2	-
TZMDUS0600LAE			600	625	2	-
TZMDUS0700LAE			700	695	2	-
TZMDUS0800LAE			800	766	2	-
TZMDUS1000LAE			1000	906	2	-

AC 3206

● G 1” 1/4



● G 1” 1/4

Male (Brass fittings) — Elbow Female

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15	110 °C	10 bar	83 l/min	80 mm	EPDM	GALVANIZED STEEL	CW617N	Pag. 116
18		10 bar	200 l/min	104 mm				
25		10 bar	280 l/min	132 mm				
32		6 bar	490 l/min	168 mm				

LUXOR®

FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

4.3 / ACFX

ACFX

STAINLESS STEEL FLEXIBLES

Clad in stainless steel braid with brass fittings, they are suitable for connecting pumps, boilers, autoclaves and uprights, ideal for industrial applications.
They are available from diameter DN15 to DN50.

TECHNICAL DATA

DN	Max temperature	Max pressure	Flow rate at 3 bar
15	110 °C	10 bar	83 l/min
18		10 bar	200 l/min
25		10 bar	280 l/min
32		6 bar	490 l/min
40		6 bar	800 l/min
50		6 bar	1300 l/min

Min. bending radius	Inliner pipe	Braiding	Fittings
80 mm	EPDM	INOX AISI 304	CW617N
104 mm			
132 mm			
168 mm			
212 mm			
275 mm			

APPLICATIONS

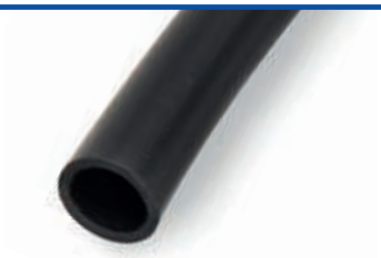
pumps

mounting columns

heating systems

conditioning systems

INLINER PIPE



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

TYPE OF FITTINGS

Male
G 1/2
G 3/4
G 1”
G 1” 1/4
G 1” 1/2
G 2”

Female
G 1/2
G 3/4
G 1”
G 1” 1/4
G 1” 1/2
G 2”

Elbow Female
G 1/2
G 3/4
G 1”
G 1” 1/4

APPROVALS

EN 13618
UE

DN 15-18-25

TÜV
Germany

Instructions
Pag. 116

Please contact our technical department for further information

AC 1507

● G 1/2

● G 1/2

Male (Brass fittings) Female (Brass fittings)

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

AC 1810

● G 3/4

● G 3/4

Male (Brass fittings) Female (Brass fittings)

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

AC 2507

● G 1”

● G 1”

Male (Brass fittings) Female (Brass fittings)

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25	110 °C	10 bar 10 bar 10 bar	83 l/min 200 l/min 280 l/min	80 mm 104 mm 132 mm	EPDM	INOX AISI 304	CW617N	Pag. 116

AC 3207

● G 1" 1/4

● G 1" 1/4

Male (Brass fittings)

Female (Brass fittings)

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

AC 4005

● G 1" 1/2

● G 1" 1/2

Male (Brass fittings)

Female (Brass fittings)

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

AC 5005

● G 2"

● G 2"

Male (Brass fittings)

Female (Brass fittings)

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
32 40 50	110 °C	6 bar 6 bar 6 bar	490 l/min 800 l/min 1300 l/min	168 mm 212 mm 275 mm	EPDM	INOX AISI 304	CW617N	Pag. 116

AC 1508

● G 1/2

● G 1/2

Female (Brass fittings)

Female (Brass fittings)

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

AC 1811

● G 3/4

● G 3/4

Female (Brass fittings)

Female (Brass fittings)

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

AC 2508

● G 1”

● G 1”

Female (Brass fittings)

Female (Brass fittings)

CODE	FITTINGS	DN	LENGTH mm			
TCMFAS0300TAE	Female (Brass fittings) **G 1”** Female (Brass fittings) **G 1”**	25	300	403	5	-
TCMFAS0400TAE			400	469	5	-
TCMFAS0500TAE			500	534	5	-
TCMFAS0600TAE			600	599	5	-
TCMFAS0700TAE			700	665	5	-
TCMFAS0800TAE			800	730	5	-
TCMFAS1000TAE			1000	861	5	-

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25	110 °C	10 bar 10 bar 10 bar	83 l/min 200 l/min 280 l/min	80 mm 104 mm 132 mm	EPDM	INOX AISI 304	CW617N	Pag. 116

AC 3208

● G 1" 1/4

● G 1" 1/4

Female (Brass fittings)

Female (Brass fittings)

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

AC 4006

● G 1" 1/2

● G 1" 1/2

Female (Brass fittings)

Female (Brass fittings)

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

AC 5006

● G 2"

● G 2"

Female (Brass fittings)

Female (Brass fittings)

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

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
32 40 50	110 °C	6 bar 6 bar 6 bar	490 l/min 800 l/min 1300 l/min	168 mm 212 mm 275 mm	EPDM	INOX AISI 304	CW617N	Pag. 116

AC 1509

● G 1/2

● G 1/2

Male (Brass fittings)

Elbow Female (Brass fittings)

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

AC 1812

● G 3/4

● G 3/4

Male (Brass fittings)

Elbow Female (Brass fittings)

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

AC 2509

● G 1”

● G 1”

Male (Brass fittings)

Elbow Female (Brass fittings)

CODE	FITTINGS	DN	LENGTH mm	g		
TCMDUS0300TAE	Male (Brass fittings) **G 1”** Elbow Female (Brass fittings) **G 1”**	25	300	400	2	-
TCMDUS0400TAE			400	466	2	-
TCMDUS0500TAE			500	531	2	-
TCMDUS0600TAE			600	596	2	-
TCMDUS0700TAE			700	662	2	-
TCMDUS0800TAE			800	727	2	-
TCMDUS1000TAE			1000	858	2	-

AC 3209

● G 1” 1/4

● G 1” 1/4

Male (Brass fittings)

Elbow Female

CODE	FITTINGS	DN	LENGTH mm	g		
VCMDYS0300TAE	Male (Brass fittings) **G 1” 1/4** Stainless steel Elbow Female **G 1” 1/4**	32	300	689	2	-
VCMDYS0400TAE			400	785	2	-
VCMDYS0500TAE			500	881	2	-
VCMDYS0600TAE			600	977	2	-
VCMDYS0700TAE			700	1.073	2	-
VCMDYS0800TAE			800	1.169	2	-
VCMDYS1000TAE			1000	1.361	2	-

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 18 25 32	110 °C	10 bar 10 bar 10 bar 6 bar	83 l/min 200 l/min 280 l/min 490 l/min	80 mm 104 mm 132 mm 168 mm	EPDM	INOX AISI 304	CW617N	Pag. 116

LUXOR®

FLEXIBLE HOSES FOR INDUSTRIAL APPLIANCES

4.4 / ACEX

ACEX

EXTENSIBLE HOSES

For the connection between the water network and the wall boilers. Extendable metal hose with stainless steel bellows available in different sizes to meet the needs of the installer and the manufacturers of wall-hung boilers.

TECHNICAL DATA

DN	Max temperature	Max pressure	Flow rate at 3 bar
15 20 25	90 °C	6 4 4	-

Min. bending radius	Inliner pipe	Braiding	Fittings
-	AISI 316	-	AISI 303 CW614N

APPLICATIONS

pumps

mounting columns

heating systems

conditioning systems

TYPE OF FITTINGS

Male
R 1/2
R 3/4
R 1”

Female
G 1/2
G 3/4
G 1”

Instructions
Pag. 116

Please contact our technical department for further information

AC 1510

● G 1/2

● G 1/2

Male Female

CODE	FITTINGS	DN	LENGTH mm	g		
81200100	Male **R 1/2** Female **G 1/2**	15	90 x 140	78	-	10
81200200			130 x 220	86	-	10
81200300			220 x 420	112	-	10

AC 1511

● G 1/2

● G 3/4

Male Female

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

AC 2001

● G 3/4

● G 3/4

Male Female

CODE	FITTINGS	DN	LENGTH mm	g		
81220100	Male **R 3/4** Female **G 3/4**	20	90 x 140	102	-	10
81220200			130 x 220	118	-	10
81220300			220 x 420	164	-	10

AC 2510

● G 1”

● G 1”

Male Female

CODE	FITTINGS	DN	LENGTH mm	g		
81230100	Male **R 1”** Female **G 1”**	25	90 x 140	196	-	10
81230200			130 x 220	222	-	10
81230300			220 x 420	296	-	10

DN	Max temperature	Max pressure	Flow rate at 3 bar	Min. bending radius	Inliner pipe	Braiding	Fittings	Instructions
15 20 25	90 °C	6 4 4	-	-	AISI 316	-	AISI 303 CW614N	Pag. 116

ASSEMBLY INSTRUCTIONS

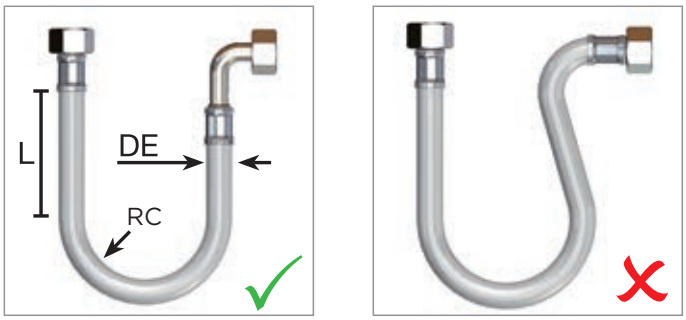
Luxor's flexible hoses are produced for water adduction and distribution. The use of other liquid elements or chemical solutions is not guaranteed if not clearly agreed with the Technical Office.

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.

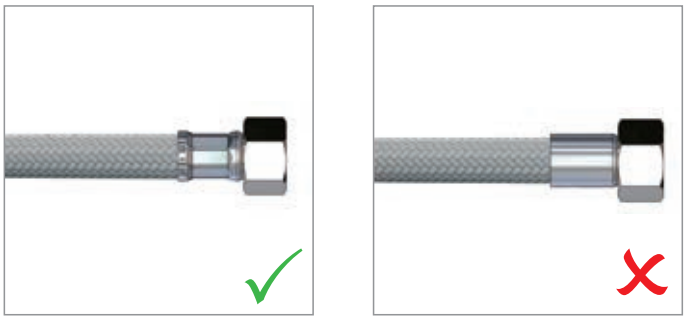
For installations in rooms with high humidity, where there is condensation, it is necessary to use flexible hoses with braiding and ferrules in stainless steel.

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



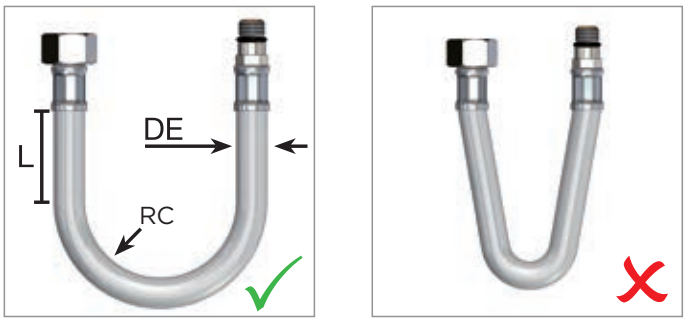
RC ≥ 4 DE L ≥ 4 DE

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.



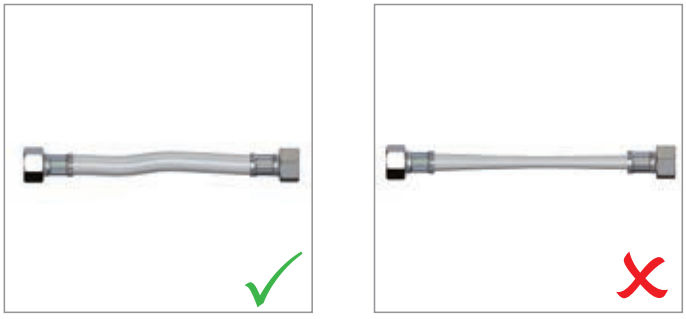
The hoses must maintain a straight section at the connections equal to 4 times the external diameter of the hose (DN6 = Ø 10 mm → straight section 40 mm).

The bending radius must not be less than 4 times the external diameter of the hose (DN6 = Ø 10 mm → bending radius 40 mm).

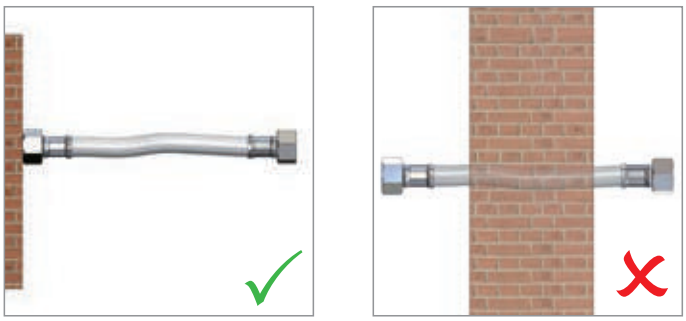


RC ≥ 4 DE L ≥ 4 DE

Do not install flexible hoses under twisting or tension conditions.



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



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

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

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

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

NORMAL END CONNECTION FITTINGS

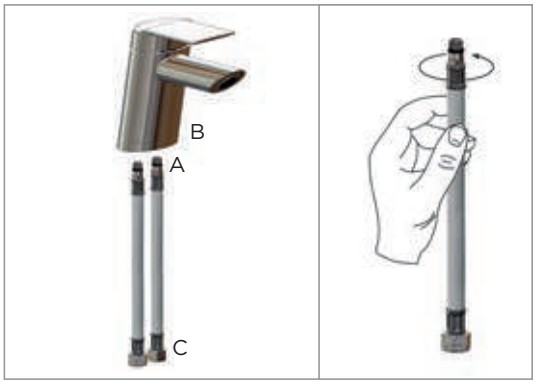
For a correct assembly please keep to the follow below instructions:

- 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 betweeen the fitting and the body of the faucet.

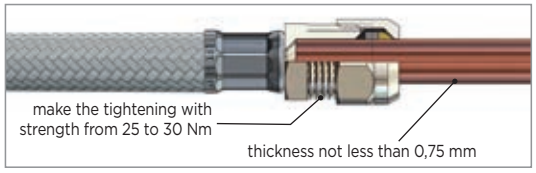
It is not necessary to tighten with a key, the strength of the hand is enough.



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 fightening fittings must be connected to pipes with a wall tickness not less than 0,75 mm. The compression fittings RCG, RCC and RCB must be tightened with a clamping couple in a range 25 nad 30 Nm.

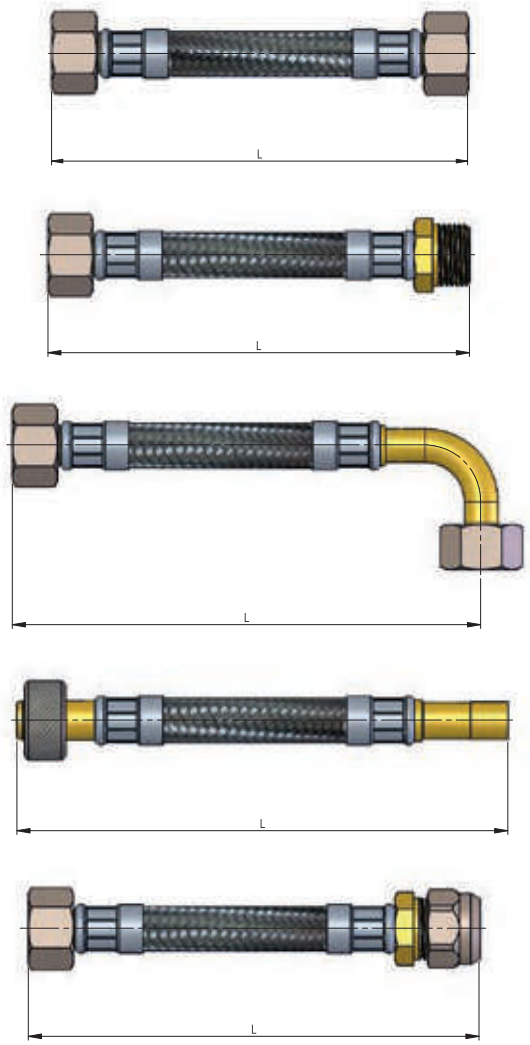


MAINTENANCE INSTRUCTIONS

- 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 ≤ 400 mm: +10 mm 0
- 400 mm < L ≤ 1000 mm: +20 mm 0
- 1000 mm < L ≤ 2000 mm: +30 mm 0

GENERAL CONDITIONS OF SALE

1 PREMISES - 1.1 The present conditions of sale apply to all supplies of Luxor Spa Products (hereafter "Luxor"). Any general conditions, and in particular the conditions of purchase of the Buyer (hereafter "Customer"), unless expressly accepted in writing by Luxor, shall not bind the latter nor exempt the Customer from the application of the present General Conditions (hereafter GSC)

2. ORDERS - 2.1 The Purchase Orders (referred to as 'Orders') are an irrevocable purchase proposal. By placing an Order, customers fully accept the present General Conditions of Sale.

2.2 Orders are considered accepted only after Luxor confirms them in writing. The Order confirmation and/or Invoice issued by Luxor will be considered as confirmation.

2.3 Any changes to the Order requested by the Customer after the sending of the Order Confirmation will only be valid and enforceable after written acceptance by Luxor. Cancellation or modification of Orders without the prior written consent of Luxor, will give Luxor the right to act to obtain reimbursement of the costs incurred, without prejudice to the right to compensation for greater damages.

3 PRICES - 3.1 Luxor products will be invoiced based on the current price list at the time the order is accepted. Prices do not include VAT or any other taxes.

3.2 Prices listed in sales catalogues/lists are merely indicative and may be subject to change due to production cost increases. In such cases, Luxor will inform the purchaser of the price increase and provide the reasons.

4 DELIVERY TERMS – 4.1 The supplies in each individual Order will be delivered within the stated terms in the Order Confirmation.

4.2 Luxor will not be held responsible for delays in delivery that are not caused by Luxor, such as delays by third parties, including suppliers and sub-suppliers, shippers, and causes of force majeure that result in total or partial inactivity of the plants. In the cases mentioned above, the Customer cannot refuse delivery of the goods, even if it is only partial, nor can they use a delay in delivery as a reason to terminate the contract or claim damages.

5 SHIPMENTS - 5.1 The products will be delivered to the 'Assigned Port' (Incoterms 2020 EXW), with transport costs and risks borne by the buyer, unless otherwise agreed.

5.2 Even in the case of agreed delivery in "Free Port" (Incoterms 2020 DDP) with costs borne by Luxor, the goods will still travel at the buyer's risk. Regardless of the delivery terms agreed upon by the parties, the risks will pass to the buyer at the latest with delivery to the first carrier.

5.3 The transfer of ownership of the goods is suspended until the full price has been paid, but this does not affect the transfer of risk to the purchaser.

5.4 If special packaging is required, an additional charge as indicated in the price list or order confirmation will be added to the invoice.

6 PAYMENTS - 6.1 Payments are due as per the terms and manner specified in the order confirmation and/or invoice.

6.2 Unless otherwise expressly agreed, payments must be made to the bank details mentioned in the sales invoice. For payments made from abroad via bank transfer, the OUR option must be selected to ensure that Luxor receives the net amount on the invoice after deducting bank charges and expenses. Luxor does not authorize any third parties, including agents and representatives, to collect money on its behalf.

6.3 The Customer is not permitted to suspend or delay payments, even in the event of claims or complaints of defects, and must adhere to the agreed terms.

6.4 In case of payment interruption or suspension, the Customer will be considered in default. Luxor reserves the right to charge expenses and interest as per Art. 5 and 6 of D.Lgs n. 192/2012, without prejudice to the right to terminate the contract. Delayed payment may also result in Luxor excluding the guarantee for the entire period of delay.

6.5 If the Customer fails to adhere to the agreed payment terms, or interrupts or suspends payment, Luxor reserves the right to suspend any ongoing supplies and/or make the execution of the current order conditional on the payment of the outstanding debt. Luxor may also withdraw from any further contracts with the Customer and cancel any previously granted favourable conditions, such as discounts or free gifts.

6.6 The Customer is not permitted to offset any claims they may have against Luxor with debts they owe to Luxor, unless formally authorised by Luxor

7 EXPRESS TERMINATION CLAUSE - 7.1 Luxor may terminate the contract immediately if the Customer is undergoing bankruptcy or liquidation proceedings, as well as in the event that the Customer is subject to execution proceedings and/or protests and the economic conditions suggest the purchaser is insolvent.

8 WARRANTY - 8.1 Luxor guarantees the conformity of the products supplied, free from defects that could make them unsuitable for their intended use. The guarantee may be invoked if the defect is due to manufacturing errors or defects in raw materials that are the responsibility of Luxor.

8.2 Unless otherwise expressly agreed, the guarantee lasts for one (1) year from the date of delivery. The Customer must make a written complaint within eight (8) days from delivery in the case of apparent defects, or, in the case of hidden defects, from the time of discovery and in any event not later than twelve (12) months from delivery.

8.3 In the event of non-conforming products, Luxor may, at its discretion, provide the Buyer with replacement products of the same type and quantity free of charge ex works, after verifying the returned products. Any return must always be previously agreed and authorised by Luxor. The goods in question must be returned 'carriage paid' along with a note explaining the reason for the return within 30 days of Luxor's approval. Failure to do so will result in the authorization becoming invalid.

8.4 If Luxor does not recognize the defective products upon verification, it will invoice those sent as replacements. If Luxor does not recognize the defective products upon verification, they will invoice the replacements. If Luxor is unable to replace defective products, they may issue a credit note to the customer for the value of the defective products. This does not imply any responsibility on Luxor for direct, indirect, or consequential damages resulting from or connected to the defects or faults of the products.

8.5 It is important to note that this guarantee does not cover instances where the product has been installed, used or maintained in a manner that is contrary to the instructions and warnings provided in the installation, use, and maintenance manuals that were included with the product. Additionally, any installation or repair work should only be carried out by qualified personnel.

8.6 The guarantee will not apply if the Purchaser breaches their contractual obligations.

8.7 This warranty is the only warranty and replaces any other written, oral or implied warranties. By accepting these General Terms and Conditions, the Purchaser expressly waives any right of recourse arising from the sale and/or installation of the Products to a non-professional consumer.

9. RESERVATION OF PROPERTY 9.1 The sale of Luxor S.p. A's Products is carried out under reservation of ownership. Therefore the products will remain the property of Luxor S.p.A. until the full payment of the price by the buyer.

10 TRANSFER OF THE CONTRACT 10.1 It is forbidden to transfer the Contract and/or any interest, right and obligation connected to it to third parties without specific written approval by Luxor.

11 PRIVACY - 11.1 The Customer confirms that they have read the information regarding the processing of their personal data, as required by Articles 13 and 14 of Regulation (EU) 2016/679 (GDPR) as amended. The information can be found at https://luxor.it/privacy-policy. By accepting these GTC, the Customer consents to the processing of their personal data.

11.2 Luxor will process the personal data provided by the Customer, including through external parties, to fulfil legal obligations and carry out administrative and commercial tasks related to the contractual relationship.

12 APPLICABLE LAW AND COURT OF JURISDICTION - 12.1 Contract is governed by Italian law. Anything not expressly governed by these GVCs shall be governed by the rules on sale provided for in articles 1470 et seq. of the Italian Civil Code.

12.2 The Parties expressly exclude the application of the Vienna Convention on Contracts for the International Sale of Goods. Any disputes related to the Contract, including those regarding its validity, interpretation, execution, and termination, must be referred exclusively to the Court of Brescia.

12.3 Luxor reserves the right to take legal action at the competent court of the Customer's location to recover any outstanding debts. The local law will apply in this case.

13 FINAL CLAUSES - 13.1 The possible nullity and/or ineffectiveness of one or more provisions of these GTC shall not affect the validity of the Contract as a whole.

13.2 Any amendment to the Contract shall be valid only if made in writing and signed by authorised representatives of both Parties.

The customer acknowledges that they are not a 'consumer' and therefore the provisions of law relating to relations between entrepreneurs and consumers do not apply. The customer declares that they have paid particular attention to the following clauses: Introduction (1.1), Orders (2.1-2.3), Prices (3.2), Delivery Terms (4.1-4.2), Shipping (5.1-5.3), and 6. The following sections require approval: Payments (6.2 - 6.3 - 6.4 - 6.5 - 6.6); 7 Express Termination Clause (7.1); 8. Warranty (8.1 - 8.2 - 8.3 - 8.4 - 8.5 - 8.6 - 8.7); 9. Retention of Title (9.1); 10. Applicable Law and Jurisdiction (12.1 - 12.2 - 12.3); 13 Final Clauses (13.1 - 13.2), and they are to be specifically approved.

These general terms and conditions are published on LUXOR's website (https://luxor.it/) where they may be consulted, thereby taking full and proper cognisance thereof, pursuant to and for the purposes of Articles 1341 and 1342 of the Civil Code.