

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%).

STAINLESS STEEL AISI304

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

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.

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.



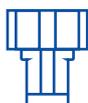
THE CHALLENGE

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).



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.

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								
<ul style="list-style-type: none"> ● 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					
<ul style="list-style-type: none"> ● Silicone ● EPDM ● Thermoplastic ● Butyl ● PE + RT 	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							

The range of Luxor fittings is broader than what is shown in the following tables. Some items may be unavailable or not included in this document. For availability checks or further technical information, please contact our Technical Department.

Inliner Range	Nominal Diameter						
<ul style="list-style-type: none"> ● EPDM ● Thermoplastic ● Butyl ● PE + RT 	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 10 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						
<ul style="list-style-type: none"> ● Silicone ● EPDM ● Thermoplastic ● Butyl ● PE + RT 	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						
<ul style="list-style-type: none"> ● 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 		

Inliner Range	Nominal Diameter								
<ul style="list-style-type: none"> ● 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								
<ul style="list-style-type: none"> ● 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						
<ul style="list-style-type: none"> ● Silicone ● EPDM ● Butyl 	DN32	Male G 1" 1/4		Female G 1" 1/4		Elbow Female G 1" 1/4	

Inliner Range	Nominal Diameter				
<ul style="list-style-type: none"> ● EPDM 	DN40	Male G 1" 1/2		Female G 1" 1/2	

Inliner Range	Nominal Diameter				
<ul style="list-style-type: none"> ● EPDM 	DN50	Male G 2"		Female G 2"	

- Silicone
- EPDM
- Thermoplastic
- PEX
- Butyl
- PE + RT

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