



KAIROS

Data sheet LINE 4L00

Compression fittings with female nut

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LINE 4L00**Compression fittings with female
nut****KAIROS**

DESCRIPTION

Compression fittings with male nut for Polyethylene pipe [LINE 4L00] are suitable for supply of drinkable water, for irrigation installation (LDPE), for sanitary systems and for any kind of sanitary installation such as domestic, commercial, industry and farming and with any type of non-corrosive fluid.

ADVANTAGES

- Raw materials complying with UBA LIST
- Suitable both for drinking water
- Quick and easy installation

FIELDS OF APPLICATION

APPLICATIONS		T. min.	T. max	T. of the system	Max. pressure
	drinking water	-20°C	+80°C	-20°C/+40°C	16 bar
	irrigation	-20°C	+80°C	-20°C/+40°C	16 bar

Pipe + fitting system with reference working temperature 20 °C

PE80-12,5 bar water

PE100-16 bar water

For temperatures from 20 °C up to 40 °C (for water application), use the following pressure reduction factors:

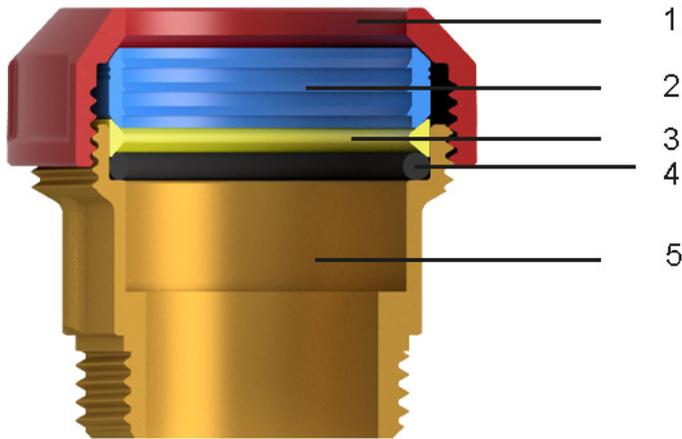
30°C multiply by 0,87

40°C multiply by 0,74

PRESCRIBED NUMBER OF TIGHTENING TURNS

∅	N° turns	Tolleranza/Tolerance
∅ 20	1+3/4 giro-turn	+1/4 di giro-turn
∅ 25	1+3/4 giro-turn	+1/4 di giro-turn
∅ 32	1+3/4 giro-turn	+1/4 di giro-turn
∅ 40	1+3/4 giro-turn	+1/4 di giro-turn

COMPONENTS AND MATERIALS



LEGEND		COMPONENTS	MATERIALS
	1	Closing ring	Brass CW617N - UNI EN 12165
	2	Olive	Brass CW617N - UNI EN 12164
	3	Flat ring	Brass CW617N - UNI EN 12164
	4	O-Ring	Elastomer for drinking water
	5	Body	Brass CW617N - UNI EN 12165

SUITABLE PIPES (PLASTIC RING)

Polyethylene pipes.

REGULATIONS

- UNI EN 1254-3

Fittings comply with UNI EN 1254-3 law: "Sanitary fittings for plastic pipes with compression ends".

- UNI EN ISO 228-1

Threads complies with UNI EN ISO 228-1 law: "Piping thread for coupling not with thightness on the thread".

- D.M. 174 (06/04/2004)

Raw materials used are of high quality and comply with the Ministerial Decree N°174 dated 06/04/2004 concerning the materials and the items used in fixed installations for water collection, treatment and supply.

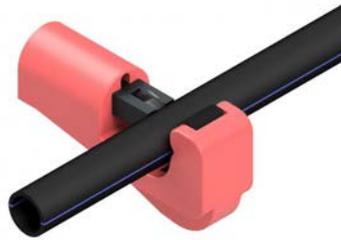
- Comply with 4MS, UBA List (BC group), DIN 50930/6 Dir. 2011/65/UE, 6C attachment III (RhOSII).

- UNI EN 12201-3

Fittings comply with UNI EN 12201-3 law: "Plastic piping systems for water supply".

ASSEMBLY INSTRUCTIONS

Mark and cut the pipe perpendicularly to its axis using an appropriate pipe-cutting tool [code TT50.00] or a saw with fine springs. The pipe has to be marked in order to let it sort out at the end of its seat once inserted in the fitting and before screwing the nut. The pipe has to be fettled to avoid O-Ring damages. Remove possible residual burr.



Loosen the ring nut without unscrewing it completely and insert the tube up to the bottom of the housing into the body of the fitting.

If resistance is encountered when inserting the pipe, check that the O-ring has not been dislodged.

In this case disassemble the components and correctly reposition the O-ring.

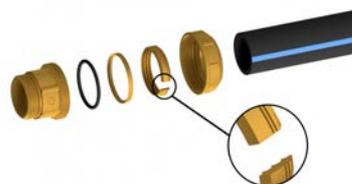


Tighten the ring nut with adjustable pliers, imparting a tightening torque as indicated in the tightening torque table on the previous pages.

NB: Always check the closing of the nut after a settling period of approximately 24 hours.



In case of accidental disassembly of the fitting components, follow the assembly order as shown in the sequence below. Pay attention to the mounting direction of the nose piece; the two outer grooves must be mounted in the direction of the ring nut.





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