



NEWSLETTER

MARCH 2016



Come and see  
**THE NEW  
EXTRA  
TWIST**

**AT MOSTRA  
CONVEGNO  
EXPOCOMFORT  
2016**

We look forward  
to seeing you at  
Hall 11 Booth E52!

**TUCAI S.A**

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02 | TUCAI announces Launch of its outstanding  
Kink-free Heating Connector Range

04 | EXTRA TWIST

06 | TAQ FLX ACB

07 | TAQ FLX

08 | PULLOUT TWIST

## TUCAI Improves the plumbing job in Heating Installations with a new-designed Corrugated Connector Range that does not kink.

TUCAI, S.A. announces the launch of its new Heating Connector Range, the **EXTRA TWIST Stainless Steel Braided Connector with a corrugated design tubing that eliminates kinking.**

The new EXTRA TWIST range is Drinking Water safe. Both the Antibacterial HDPE liner ensures compliance with the most stringent hygienic requirements and metallic fittings are in accordance with the EU Drinking Water Directive that fixes the limits of impurities accepted in metals in contact with water at the consumer's tap.



**100% LEAK TESTED**



Another product highlight of this corrugated hose that is capable of turning sharp corners with very a small bend diameter is its extreme resistance to acids, alkaline agents, salts and solvents.

Designed for the professional, for use with boilers, softeners, pumps, water-meters, heating systems and water filtration installations, it makes the plumbing job easier and more efficient. It has full flow internal diameter for optimum performance and is 100% leak-tested for trusted reliability.

With an acute focus on product efficiency and safety, the new range incorporates a corrugated HDPE inner core covered with AISI 304 Stainless Steel braiding and a special patented design nipple that ensures the reliability of this critical union.

DO YOU KNOW  
**THE NEW GENERATION OF FLEXIBLE CONNECTORS?**  
 CHECK OUT OUR LATEST FEATURED DEVELOPMENTS AT  
**MOSTRA CONVEGNO EXPOCOMFORT 2016**





Extreme flexibility and kink resistance combined with guaranteed high-flow rates

**100% LEAK TESTED**

**// EXTRA TWIST, A RELIABLE SOLUTION TO HIGH FLOW FLEXIBLE CONNECTORS**

Constructed out of corrugated HDPE inner core covered with AISI 304 Stainless Steel braiding, EXTRA TWIST connectors are extremely flexible and do not kink nor crimp. They maintain optimum flow with no restriction. They are designed for use with boilers, softeners, pumps, water-meters, heating systems and water filtration installations.

**//UNIQUE CHARACTERISTICS AND ADVANTAGES**

EXTRA FLEXIBLE AND KINK-FREE

- High Resistance to Chemicals
- Extremely Flexible
- Constant Flow Rate
- Optimum Bending Radius
- Light Weight

This corrugated hose does not collapse, is capable of turning sharp corners with very a small bend diameter and is extremely resistant to acids, alkaline agents, salts and solvents.

DRINKING WATER SAFE

- Anti-bacterial
- Limited Lead Contents

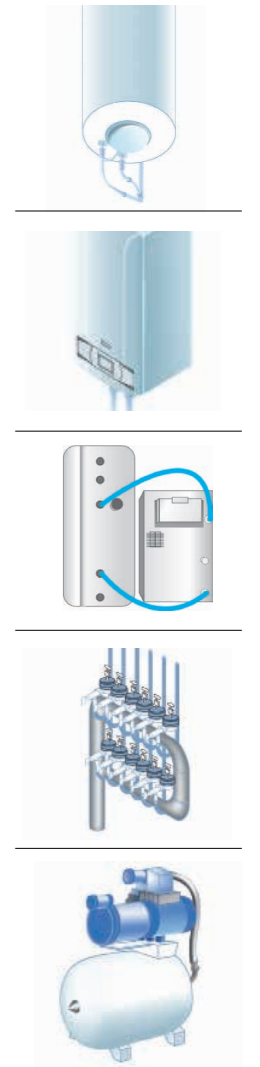
The Antibacterial HDPE liner ensures compliance with Metals covered by the DWD (Drinking Water Directive).

The EXTRA TWIST range incorporates metallic components in accordance with the DWD that fixes the limits of impurities accepted in metals in contact with water. It guarantees a safe drinking water quality at the consumer's tap.

**//CERTIFICATIONS**



**//APPLICATIONS**







## Anti Corrosion Anti Bacterial Flexible Connector

The TAQ FLX ACB range has been designed to guarantee a longer lifespan in extreme conditions and the total respect of the consumer health.

### Chlorine and Chloramine Resistance

FLX is the best option when it comes to chlorine and chloramine resistance.

This new generation of highly engineered polymer has been developed to perform well and resist the degrading effects of today's potable water industry that uses disinfectants like chlorine or chloramine to kill bacteria.

Chlorine and Chloramine do not generate surface flaking, dimpling nor shedding of the inliner material.

### Antibacterial Properties

The extreme flexibility of the inliner together with its anti-bacterial properties, the total absence of plasticizers in the extrusion process that avoids the migration of substances into water all grant this innovative product full compliance with the sanitary regulations of most EU members.

### Corrosion Resistance

Connectors installed in corrosive environments or exposed to household cleaners and chemicals can deteriorate, possibly resulting in damage.

TUCAI products are built to last; they all exceed standard performance requirements, and therefore, durability. Stainless steel seems to be the best option for corrosion resistance, but some applications may need more.

The new Anti Corrosion braiding developed by our engineers guarantees a longer lifespan, even in harsh and corrosive atmosphere.



## The new Generation of Flexible Connectors



### METALS covered by the Drinking Water Directive (DVD)

To ensure a satisfactory water quality at the consumer's tap, it is important to set the limits of chemical substance migration into the water and choose carefully the materials used for the production of pipes and flexible connectors.

Metallic materials cannot release dangerous substances into drinking water.

Drinking Water Directive (DWD) and each national legislation fix the limits of impurities accepted in metals in contact with water. For copper alloys, there are two main restrictions: maximum accepted migrations of 10µg/lit. for lead, and maximum of 20µg/lit. for nickel, both of them measured for long-time migration period.

Copper alloys complying those limits are CW617N, CW612N, and others where the content of lead does not exceed 2,2% in weight in the alloy, corresponding to "fittings" category of products.

Remove nickel plating from metallic parts in contact with water is needed to comply to these limits and has become a recommendation for several Approval Bodies.



## THE ALTERNATIVE TO SILICONE

The TAQ FLX range of braided connectors is unmatched in the market place in terms of flexibility and competitiveness.

The best combination ever in the field of flexible connectors for Sanitary applications!

TAQ FLX combines unique hygienic features together with flexibility at a very competitive price.

The range is designed to withstand the mechanical performance tests according to W543 and to comply with the highest hygienic requirements to KTW-A and W270.



Female fitting



Male fitting



Compression fitting



Smooth tube



Elbow fitting



Additional fittings upon request

### Technical Information

NOMINAL HOSE DIAMETER	DN6	DN8
W270 - KTW A	✓	✓
W543 - DVGW	✓	✓
Inner Diameter in mm.	6,5	8
Outer Diameter in mm.	10	11,5
Working pressure in bar	10	10
Flow rate in L/min. at 3 bar	16	29
Maximum temperature	70°C	70°C
Inner hose material	TPE	TPE
Braiding	AISI 304 Stainless steel	AISI 304 Stainless steel
Sleeves	AISI 304 Stainless steel	AISI 304 Stainless steel
<b>CONNECTIONS</b>		
Nickel-plated Female fitting	✓	✓
Nickel-plated Nipple	✗	✗
Nickel-plated Male fitting	✗	✗



## A kink-free polybraided hose with a guaranteed flow rate for optimal kitchen faucet performance and smooth glide



The most flexible poly-braided hose featured with a strong corrugated inner hose covered with tightly braided polyester fibers is engineered to ensure a secure connection to your faucet. The result is a kink-free hose with a guaranteed flow rate for optimal faucet performance.

**Extreme Flexibility**

**Optimum Bending Radius**

**Longer Life**

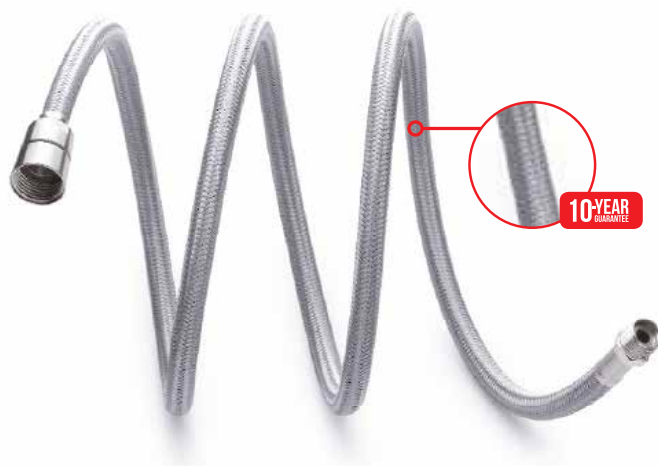
**Full Corrosion Resistance**

**UV**

TUCAI PULL OUT TWIST connector is built to last even under the harshest conditions when exposed to common household cleaners and chemicals.



**KTW-A** **W270** approved.  
 EN 16146



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