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Connected to you
 gas rails, pipes and subassemblies for gas cooking appliances..

GAS COOKING 



experts in gas cooking systems since 1963



Copreci's gas rails and pipes are the result of combining the market **experience acquired over the last 50 years** with a firm, constant capital investment policy aimed at developing production processes, together with a research and development policy implemented with the **most important customers in the cooking appliance manufacturing sector**.

They are made of **aluminium-coated steel and aluminium** with different diameters and a wide range of shapes and different fastening, fixing and connection systems to adapt the pipes and rails to the characteristics of the application they will be fitted in. Copreci works together with customers on the design of the rails and pipes, based on the cookers and hobs they will be fitted in.

Today, Copreci is the **biggest manufacturer** in the world of gas components, and we have become a group of **2.000 people** with production **facilities in 7 countries**.

We are suppliers of the biggest gas appliances manufacturers worldwide.



"Copreci has been designing gas rails and pipes for gas cooking appliances for fifty years"



Behind each product there is a team of professionals who are **already working** on the next product.



a wide range of components, connected to safety

Pipes



The tubing is an essential element inside the frame of the cooker. Copreci offers its vast expertise in application design, as well as adaptability to the different types of cookers used around the world. In addition, it provides **flexible solutions for complex designs**.

All this, along with vast knowledge of the standards and regulations in each market, make Copreci your most reliable partner.

Gas rails



The manifold is a **key element** in the final design of the application, as gas will be constantly present inside it throughout the entire life of the cooker.

Copreci is aware of its importance, and always uses aluminized pipes manufactured **from top quality raw materials**. Copreci also offers other materials, such as aluminized steel, galvanized steel, stainless steel, iron, etc.

There is a wide range of diameters, shapes, fasteners and connections to meet every client's needs.

Subassemblies



The deep knowledge in manifolds and pipes acquired by Copreci during 50 years, besides its experience as gas valve manufacturer has allowed the development of a subassembly. Copreci provides an **end-product ready for its integration** into the final application, fully checked under strict quality controls.



One product that **reduces component inventory**, instead of 8 or 9 references, simplifying the purchase of materials, management and logistics.

Applications

Built-in hobs



Free standing cookers



Ovens



BBQ'S



Catering equipment



Gas dryers



Coffe machines



igas
WE COACH YOU

Igas consulting

Igas, a new consulting service to become your technological partner for the industrialization of gas cooking appliances. We help you to find the processes with the most advanced technologies which result in a **rapid "time-to-market" and significant cost reductions**.

More info at: www.igascooking.com



Pipes

Copreci offers a wide variety of designs according to the final application.

They are manufactured with high quality aluminum alloy 99.7%.

The diameters range from 4 mm to 18 mm.

A wide range of finishes and types of termination.

PATENTED

PIPE CHARACTERISTICS (Standard)

Diameter (mm)	Thickness (mm)	Status	Matrix diameter (mm)	Min. distance	Termination type
7	1	H112	20/13	28	V, W, F, C, N, E, F, X
7	1	H14	20/13	28	M, W
8	1	H112	24/16	31	T, A, JW, JWT, YW, B, L
8	0.8	H112	24/16	31	T, A, B, JWM, YWM
8	1	H14	24/16	31	T, A
6	1	H112	20/13		
6,35	0.8	H112	20/13		

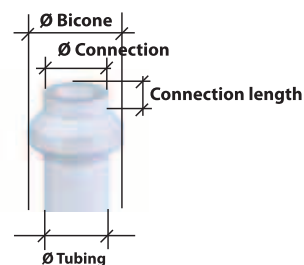
PIPE TERMINATION (Standard) Tube diameter: 7 mm



Tube diameter: 8 mm



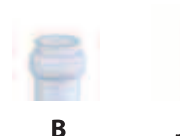
Type	U	W	M	N	T	A	YW	JW
Ø Connection	7	8	10.3	9.6	8	10.3	7.9	7.9
Connection length	2	2	2.6	2.6	2	2	7.2	15
Ø Bicone	10,3	10.3	-	-	10.3	-	10.5	10.5
Ø Tubing	7	7	7	7	8	8	8	8



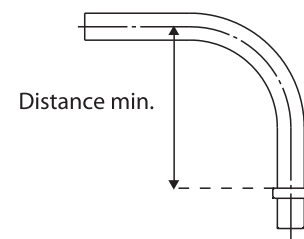
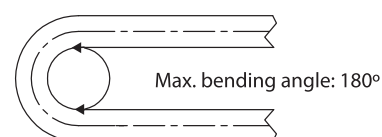
OTHER POSSIBILITIES Tube diameter: 7 mm



Tube diameter: 8 mm



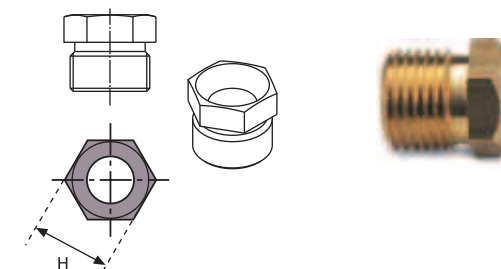
CONSTRUCTION LIMITS



CONNECTION TYPES

RACORD

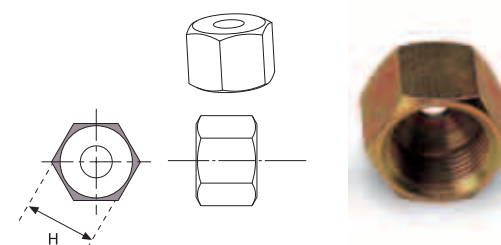
Material: Galvanized steel, Brass, Aluminium.



Thread	M12x1	M12x1,25	M13x1
12		xx	
13	x		xx
15			xxx

NUT

Material: Galvanized steel, Brass, Aluminium.



Thread	M12x1	M13x1	1/4G	M14x1,5
13	x			
15	x	xxx	xxx	
16				x

xxx: standard
xx: less standard
x: non standard

FAST CONNECTION

Material: Galvanized steel, Brass, Aluminium.

This device permits a quick connection between the valve and the burner through a fast attachment system with clips incorporated in the pipe.



Accessories

Copreci can provide you with an infinite range of fittings that are important for the correct use of gas components: clamp flanges with one or two screws specifically designed for Copreci components, nuts, rapid connection nuts, screws, olives, connectors, leaktight seals, etc.

Copreci offers all these fittings with guaranteed quality and the knowledge that they have been positively tested in Copreci's laboratories.



OLIVE



INJECTOR



Manifolds

Copreci offers a wide range of manifolds. These manifolds are made of sheets, which are joined by welding with EDI controlled parameters that ensures a **100% sealing** of the product.

The holes for the manifold are bored using an innovative system that ensures precise, burr-free holes and no risk of obstruction inside the collector.

The sealing of the parts is **100% tested** using a pressure system. The entire manufacturing process ensures a **leak-free product**.

Round tube diameters:

Ø12 mm
Ø14 mm - Ø9/16"
Ø15 mm
Ø16 mm- Ø5/8"

Round tube thickness:

1 and 1.2 mm

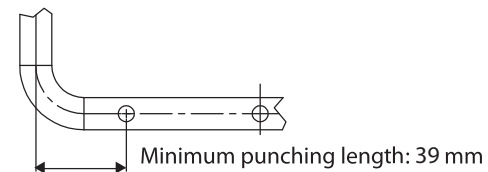
Square tube measures:

3/4" x 3/4" - 19 x19

Square tube thickness: 1.2 mm

* Standar, others under request.

CONSTRUCTION LIMITS



CONNECTION WITH WELDING

Plain/conical



Nut



With hose



Gas connection in the middle of the tube



With zamak cup



Threaded tube



CONNECTION WITHOUT WELDING (WITH SEAL)

Nut



Racord with elbow



Racord



Racord + zamak cup



Nut with elbow



Racord with hose





Subassemblies

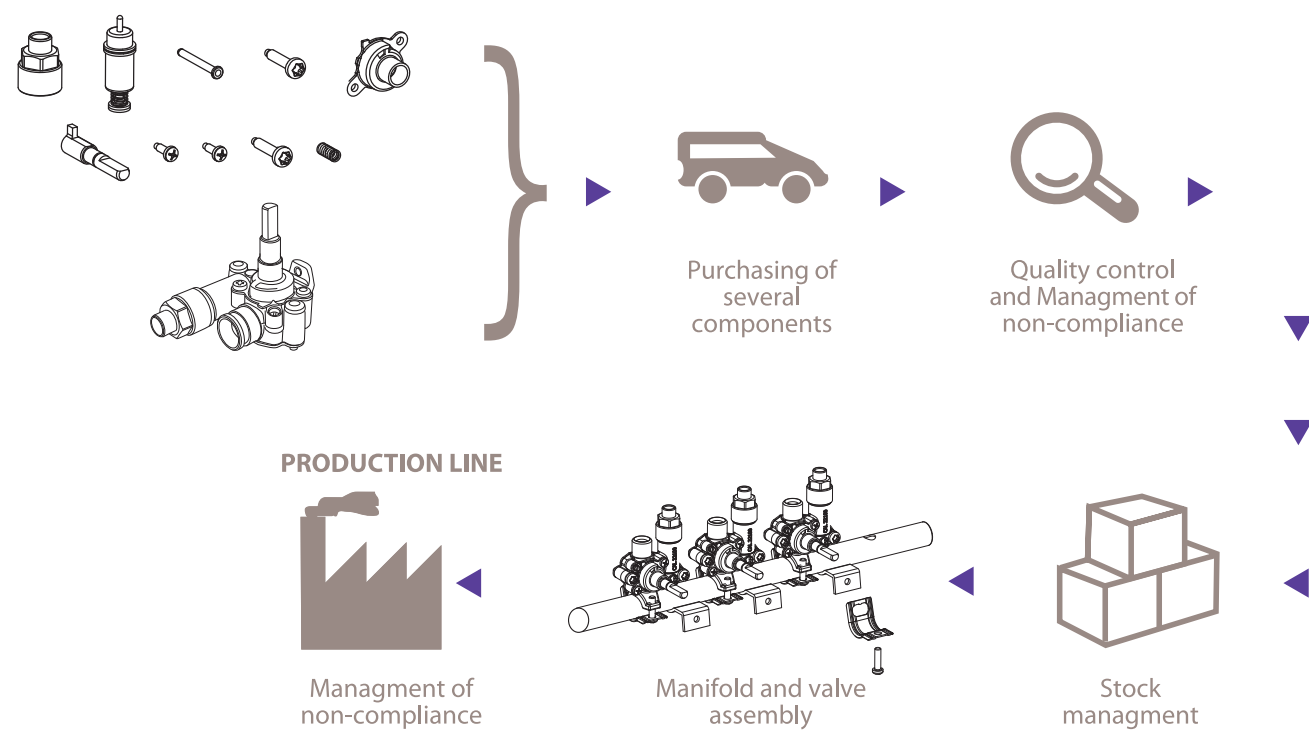
Copreci offers its wide experience in manufacturing gas components to provide an end-product ready to integrate into the final application, this means:

- > Improves the alignment of the valves.
- > Using of poka-yokes that prevent errors from wrong valve positioning.
- > Employment of systems that ensure the proper functioning of valves.
- > Fastening system, which ensures that the screw is in place and with a proper torque for each model.



ADVANTAGES OF THE SUBASSEMBLIES

WITHOUT INTEGRATION OF SUBASSEMBLIES

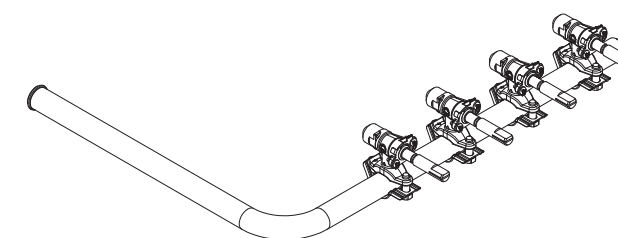


SUBASSEMBLIES INTEGRATED WITHIN THE PRODUCTION LINE

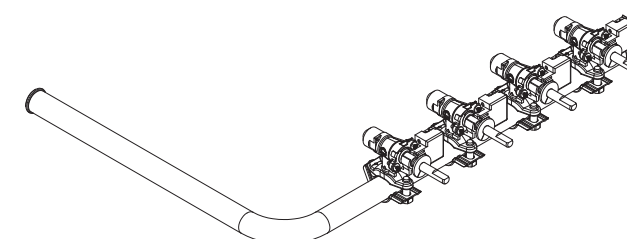


SUBASSEMBLIES OPTIONS MENU

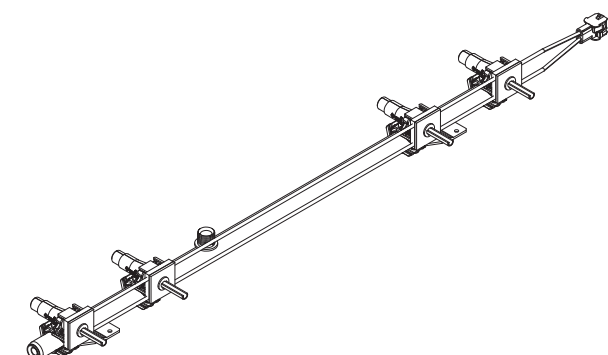
Manifold + gas valve



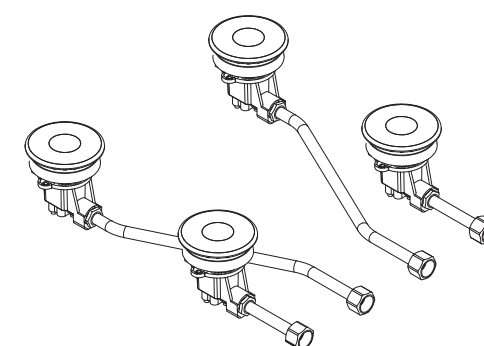
Manifold + gas valve + switch



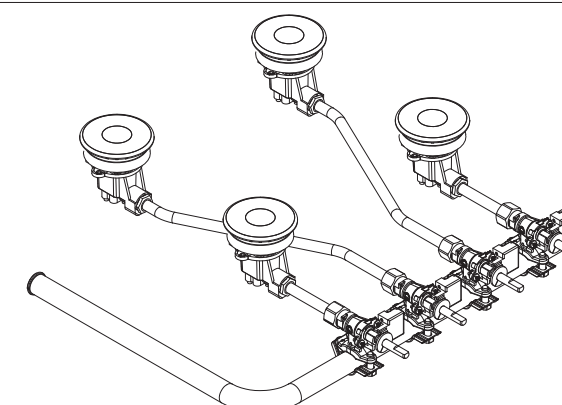
Manifold + gas valve + switch + wiring



Pipe + burner

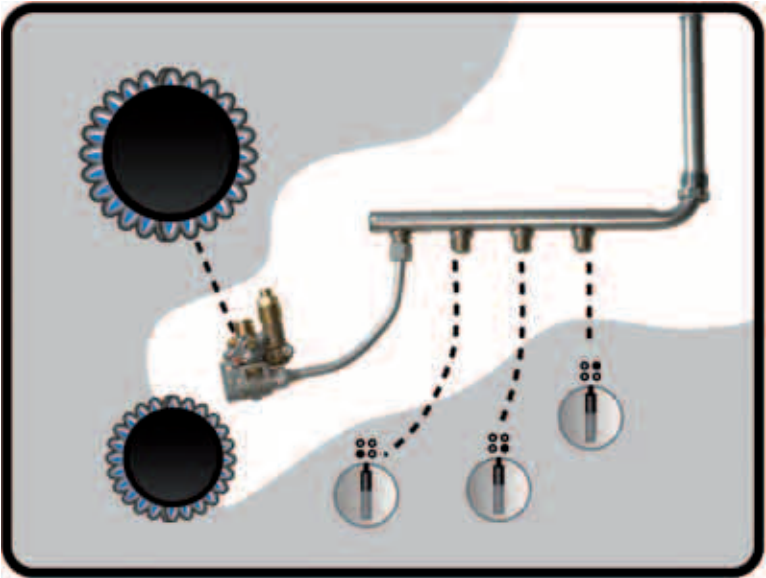


Manifold + gas valve + switch + pipe + burner





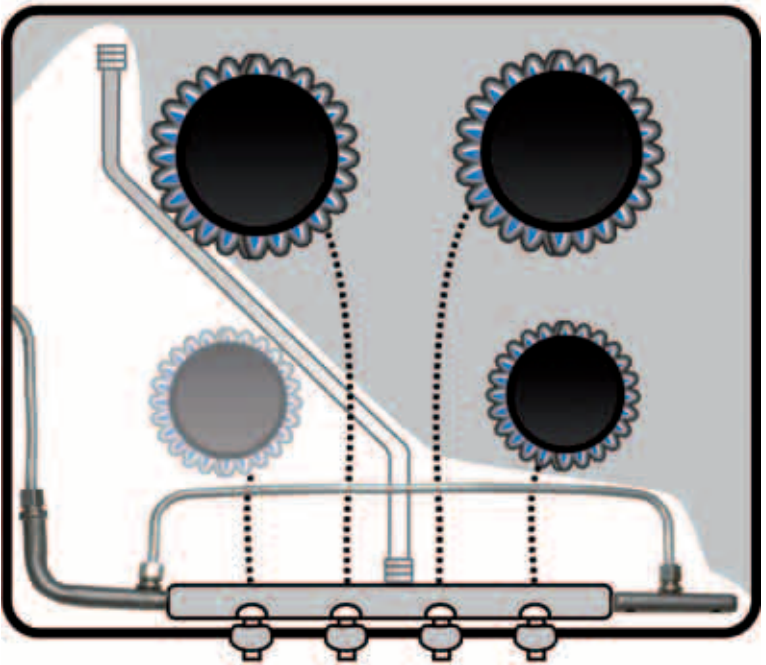
examples of projects made in close collaboration
with customer.



FLEXIBLE DESIGN:

Cooker designs usually require complex solutions that make the manifold manufacturing and subassembly processes more complicated.

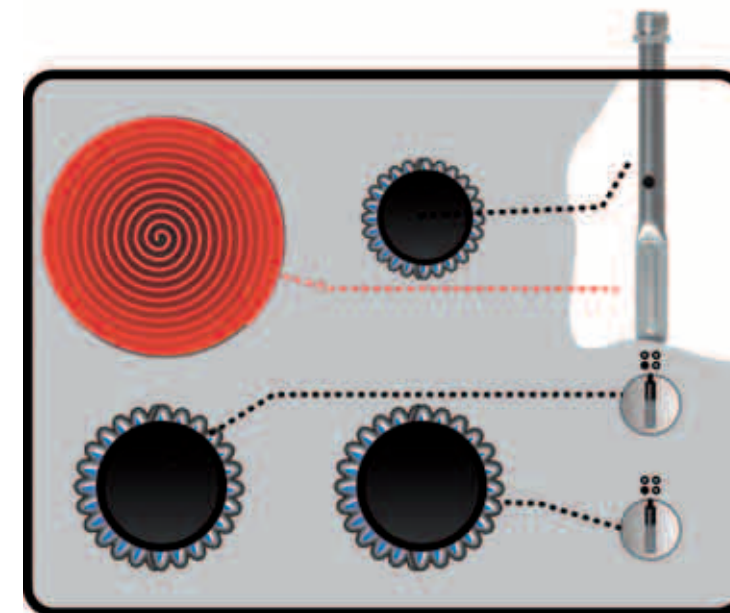
Copreci offers an easy, safe and flexible solution that makes it possible to install valves in any part of the cooktop, without any design limitations.



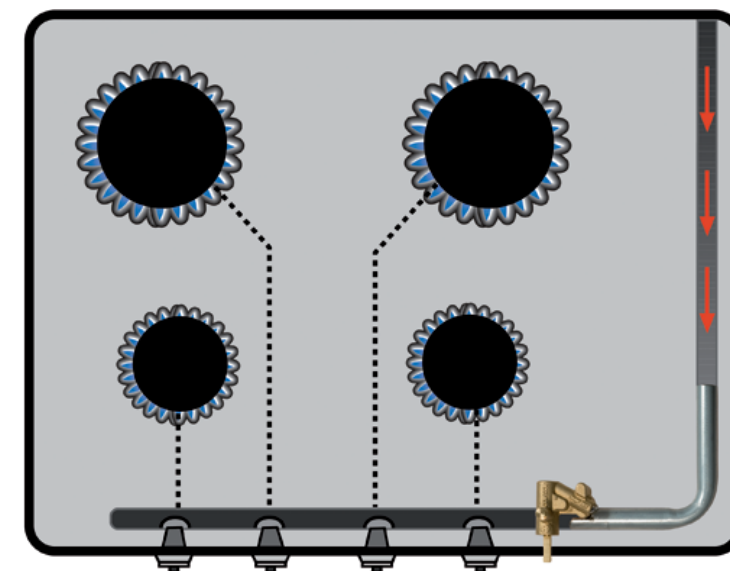
SEPARATE POWER SUPPLY FOR THE OVEN/COOKTOP:

This device permits separating the cooktop function from the oven. This system permits closing the glass cover, turning off the burners while the oven is still working.



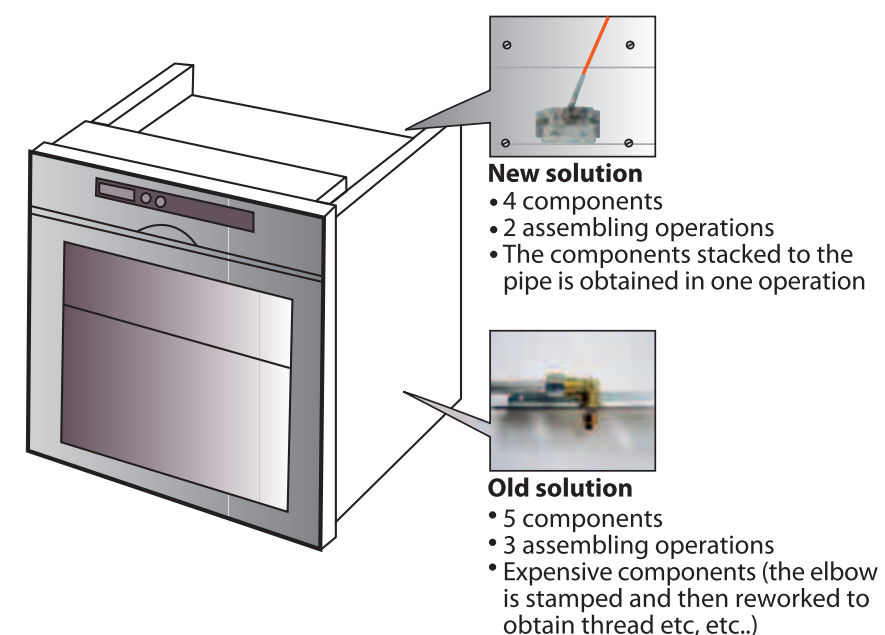


FLATTENED MANIFOLD:
In some designs, the position of the timer and the rest of the components may cause interferences: To avoid this, the manifold has been flattened so there is more space, even permitting the installation of an electronic card without affecting the height of the cooker.



SAFETY SWITCH:
This system allows the user to manage the gas inside the manifold. With a simple movement, a valve is activated to allow the gas to pass from the inlet pipe to the pipe where the valves are located.

This option provides an extra safety feature for the cooktop.



“CALETTATO” OVEN:
The aim of this project was to improve the oven access design through the pipe. This solution means a reduction in the number of components, and also allows for easy, quick assembly while ensuring the product's overall leak tightness.

