

NEW



MaFix 400

**Hydro-pneumatic
portable equipment for
the positioning of the tubes
(pre-welding)**

Controlled light expansion without contamination

MaFix 400

Hydro-pneumatic portable equipment for the positioning of the tubes (pre-welding)

Maus Italia has designed and implemented an innovative system **MaFix 400** for the **light expansion of high-quality alloy tubes** in heat exchangers or equipments, for example, to nuclear plants, meeting the stringent restrictive rules relating to the **exclusion of contaminating materials**.

Thanks to the considerable constant working pressure, the system **MaFix 400** is able to **expand tubes from 5/8" to 1"** (16 to 25 mm).

The **main function** of this system is the **locking of the tubes in position** by a light expansion to the hole of the tube sheet, ensuring a safe reference with respect to the tube-sheet plate (flush, recessed or protruding), thus providing the conditions for a correct welding operation orbital TIG.

The expansion force required to put the Tube in contact with the Tubesheet hole can be adjusted on the control unit.

The system **MaFix 400** is composed of:

- Unit **PU-400** air-to-water mounted on a trolley
- High-pressure hydraulic gun **HF-6000** with tool holder,
- Tool with polymer expandable ring
- Hydraulic hose connection - **16,4 Ft** (5 m).



Code	Power supply		H ₂ O Maximum pressure			Dimensions			Weight (without liquid inside)			
	Air pressure required	Air flow	bar	psi	mm	Width Ft	Depth Ft	Height Ft	Kg	Lb		
MaFix 400	7 bar (100 psi) - 792 Lt/min (28 Cfm)		420	4090	850	2.8	1000	3.3	1300	4.3"	180	397



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