

OEM *solutions for your brand*

Mecalia®
energy systems

Committed to develop a full range of
hot water solutions for your brand

Mecalia[®]
energy systems



Family owned spanish business +40 years experience in designing and manufacturing:

DHW cylinders and buffer tanks HVAC Sector
Tanks for liquid fuel and compressed air



Spanish company with strong international presence

Mecalia is proud to have a competitive team and an extensive national and international commercial network.

Presence in Europe and Latin América





- Established in 1982
- **Strategic location:**
 - A Guarda (Pontevedra, Spain)
 - ✓ Vigo port: 60 km
 - ✓ Porto port: 100 km
- Factory: 10.000 m²
- ISO 9001



Standard

Wide range of isolated domestic, commercial and industrial units for HVAC, DHW, CHW... up to 13.500 litres.



Customer design

*Bespoke cylinders for your HVAC Projects, even +10.000 litres:
Different options for Ø, connections, HEX, WP...*



OEM

*OEM manufacturing and branding.
Specialized in DHW cylinders for HP.*

Catalogue: 

[Download](#)



OEM manufacturing and branding.

Focused on manufacturing DHW cylinders for Heat Pumps.



Manufacture: Range of products



- Wide range: from 30lt up to 10.000 lt
- Products:
 - DHW tanks*
 - DHW cylinder internal HEX*
 - Buffer tanks*
 - Dual: DHW + buffer*
- 5 years warranty

Manufacture: Stainless Steel

Manufactured in Stainless Steel grade 316:

Austenitic Steel, Its high density offers:

- High resistance against wear
- **Very high resistance against corrosion**

Manufacture : heat exchanger



The internal corrugated heat exchanger provides **high turbulence, which means:**

- Higher heat exchange surface
- Absence of neutral areas
- Auto cleaning

Manufacture : Pickling



All welds are pickled:

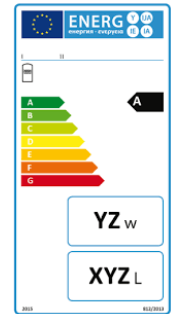
This allows to recover stainless Steel
initial features, obtaining a
EXTREME protection anti-corrosive.

Manufacture : Isolation and external finishing



Thermal insulation: injected polyurethane rigid foam
 $\lambda=0,022\text{W/m}^{\circ}\text{C}$ $\rho=45$ a 50 kg/m^3 , free HCFC:

- Minimum heat loss
- + **Maximum energy efficiency**



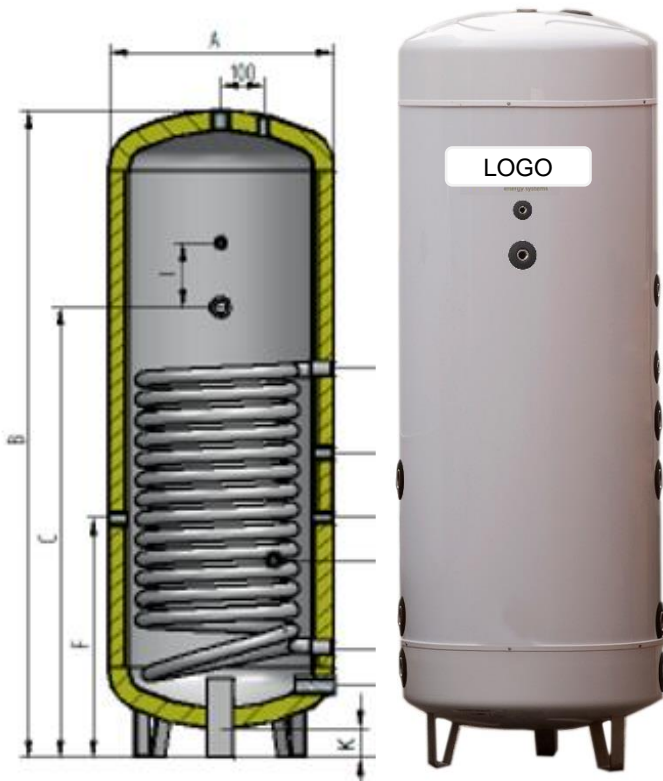
Excellent finish: isolated injected polyurethane high density, and **long-lasting** external case.

Manufacture : Branding your products



Product : focused on manufacturing cylinders for HP

High heat exchanger surface; specifically designed to optimize and get the **máximum performance from your HP.**



Volume (lt)	HEX (m2)	Heat loss (mca)	Continuous production (l/h)
100	1,5	0,31	230
150	1,8	0,57	281
200	2,3	1,18	358
300	3,11	2,96	486
500	4,42	6,29	625

Product : Dual tank for HP: DHW+INERTIA

DHW + Inertia: both tanks integrated in a single unit, optimizing lack of space when installing.

DHW:

Stainless Steel grade AISI 316

High gain heat exchanger

Avoid interruptions and blocking your HP

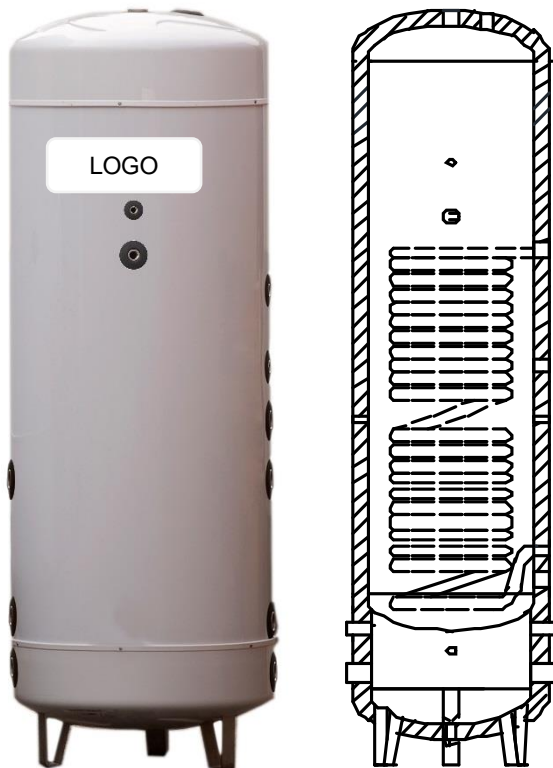
Optional: electric element as backup

INERTIA:

Stainless Steel grade AISI 304

Allows serial or parallel installation

Due to the design and manufacturing in Stainless Steel, avoids any kind of corrosion that may collapse filters or cause damage on your heat exchanger or any other element from your HP.



Provide you the most suitable solution for your HVAC/MEP projects.

To ensure your customer confidence by **complementing your solution** with a premium product.



Mecalia: best choice



+40 years experience

+40 years operating HVAC sector, providing solutions to customers around the world.

Xpress answer

Contact us, we'll work along to get the best answer for your request.

Bespoke solutions

Manufacturing process allow us to offer you so many options for your needs.

Technical team

Our technical team by your side, best advise for best solution.

Profesional team

Masters in manufacturing leading your projects.

5 years warranty

The quality of the products allow us to offer 5 years warranty.

your next catalogue ...
...contact Mecalia



Thank you



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