



GEISER / MASTER INERTIA

Inertia buffer tanks, energy storage!

Inertia buffer tanks for closed heating or cooling circuits that act as the installation energy regulator.

*Models with or without internal exchanger and models with own heat stratification system complete our range of **GEISER/MASTER INERTIA**, from 80 to 5000 litres storage capacity.*

PRIMARY BUFFER TANKS Energy buffer tanks from **50** to **5000** litres capacity, for closed heating or cooling circuits.

For installations that require correct energy management, especially for systems that use renewable energy sources such as: **BIOMASS, HEAT PUMP or SOLAR ENERGY.**

Designed to provide an extraordinary storage capacity that translates directly into real savings. The overdimensioned, rigid, mould-injected PU thermal insulation maintains the DHW storage temperature over long periods of time without requiring any additional energy input. This means less start-ups and adjustments of external energy sources, with less energy consumption and a more economical cost.

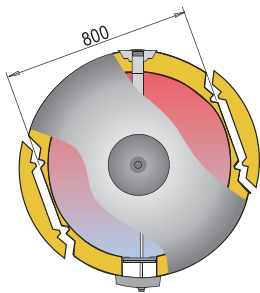
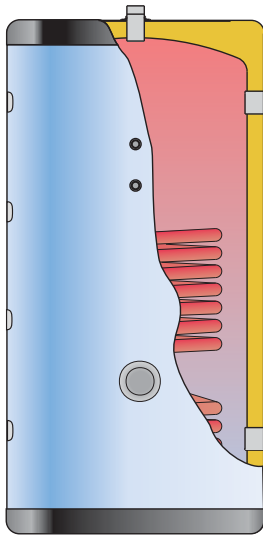
MODELS WITH COILS: Versions with heating coils as the intermediate thermal exchange system, for systems without their own heat exchanger.

Ready for installation with electric heating elements to provide back-up electric heating.



BUFFER TANKS FOR PRIMARY CIRCUITS GEISER / MASTER INERTIA - **STORAGE**

lapesa



Detail of pre-cut insulation on 800 and 1000 litre tanks to pass through 800 mm wide doors.

MODELS WITH THERMAL STRATIFICATION SYSTEM: Versions that incorporate thermal stratification for perfect energy management of the installation.

MAXIMUM STORAGE CAPACITY: Extra thick, rigid, PU mould-injected insulation that minimizes heat losses of stored DHW (see HEAT INSULATION chapter, page: 128).

Lapesa buffer tanks have minimal heat losses and for this reason are considered to be one of the products with the greatest storage capacity on the market.

EASY TO INSTALL AND MAINTAIN: GEISER INERTIA 800 and 1000 litre models are designed with a detachable insulation system on the two opposite sides of the tank to allow them to pass through 800 mm wide accesses.

The MASTER INERTIA "IB" and "ISB" models include a ND400 side manhole to access the interior of the tank to carry out inspection, cleaning and maintenance tasks.

EASY TO HANDLE AND TRANSPORT: Our "MASTER INERTIA" buffer tanks are designed for easy handling and transport to the place of installation.

They have an integrated system for handling and transporting by forklift truck, which facilitates handling operations enormously, as there is no need to palletize the product which, given its weight and size, would make handling difficult.

The tanks are also equipped with lifting eyebolts on the top part so that if they have to be placed in a high area they can be lifted with an overhead hoist.



FEATURES COMMON TO ALL "GEISER INERTIA/MASTER INERTIA" MODELS:

- **Carbon steel** inertia buffer tank.
- GEISER INERTIA capacities: **50, 80, 140, 200, 240, 370, 600, 800, 1000 and 1500 litres.**
- MASTER INERTIA capacities: **1500, 2000, 2500, 3000, 3500, 4000 and 5000 litres.**
- Maximum working pressure of buffer tank: **6 bar**
- Maximum working pressure, coil (models "IS" and "IFS"): **25 bar**
- Maximum working temperature of buffer tank: **110 °C**
- Maximum working temperature, coil (models "IS" and "IFS"): **200 °C**
- Thermal insulation: **Rigid, mould-injected PU** (CFC/HCFC-free, 0.025 W/m²K)
- Tanks for VERTICAL installation on floor (option of HORIZONTAL position - please consult us)

BUFFER TANKS FOR PRIMARY CIRCUITS MASTER INERTIA - STORAGE

MASTER INERTIA "I / IB"

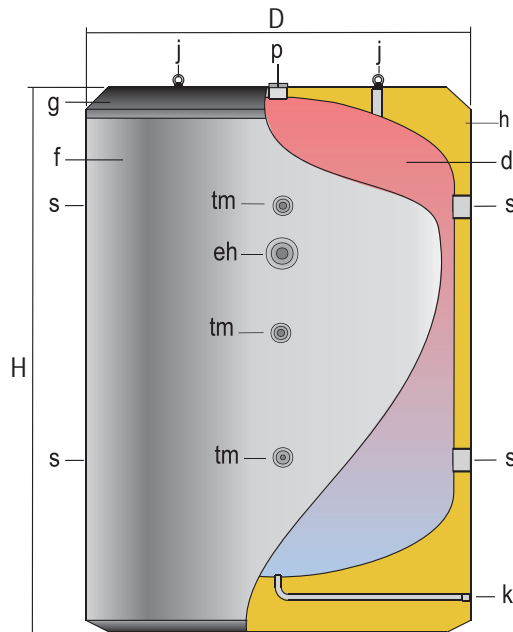
INERTIA buffer tanks from **1500** to **5000** litres capacity, for closed heating or cooling circuits.

Ready to be fitted with a backup electric immersion element.

Thermally insulated with rigid, mould-injected, 80 mm-thick, PU polyurethane foam. Models IB, with insulating piece in same material on the ND400 side manhole.

Optional supply of PVC padded external lining and set of trims or ALUNOX aluminium sheet lining (see ACCESSORIES chapter, page: 129).

IB MODELS: With side ND400 manhole to access the interior of the storage tank for inspection, cleaning and maintenance tasks.



- d - Buffer tank
- f - Outer lining
- g - Top cover
- h - Thermal insulation
- j - Lifting eyebolts

MV-1500-...5000-I/IB



GENERAL CHARACTERISTICS		MV-1500 I/IB	MV-2000 I/IB	MV-2500 I/IB	MV-3000 I/IB	MV-3500 I/IB	MV-4000 I/IB	MV-5000 I/IB
Capacity	l.	1500	2000	2500	3000	3500	4000	5000
D: external diameter	mm.	1360	1360	1660	1660	1660	1910	1910
H: overall height	mm.	1830	2280	2015	2305	2580	2310	2710
Diagonal	mm.	2281	2655	2611	2841	3068	2998	3316
s: side connection	" GAS/F	4	4	4	4	4	4	4
eh: electric element connection	" GAS/F	2	2	2	2	2	2	2
p: upper connection	" GAS/F	2	2	2	2	2	2	2
k: drain connection	" GAS/M	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
tm: probe tube connection for sensors	" GAS/F	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Empty weight (approx.) "I / IB"	Kg	273 / 298	353 / 378	503 / 528	540 / 565	576 / 601	893 / 918	970 / 995

GENERAL CHARACTERISTICS		MV-1500-IB	MV-2000-IB	MV-2500-IB	MV-3000-IB	MV-3500-IB	MV-4000-IB	MV-5000-IB
Side hole	ND	ND400	ND400	ND400	ND400	ND400	ND400	ND400