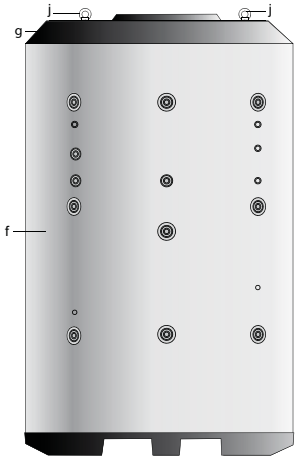
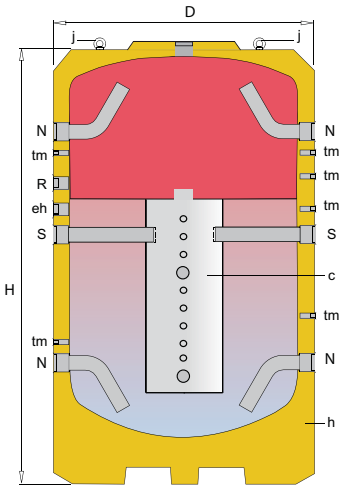
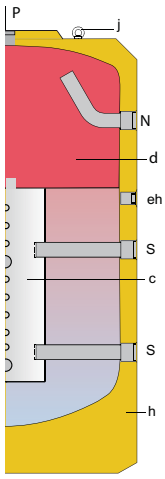
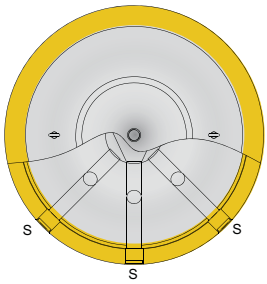
MASTER INERTIA "L"

INERTIA buffer tanks from **2000** to **5000** litres capacity, for closed heating circuits, with integrated **THERMAL STRATIFICATION** system.
Thermally insulated with rigid, mould-injected, 80 mm-thick, PU polyurethane foam.
Optional supply of PVC padded external lining and set of trims or ALUNOX aluminium sheet lining (see ACCESSORIES chapter, page: 127).







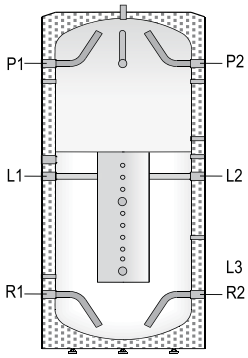


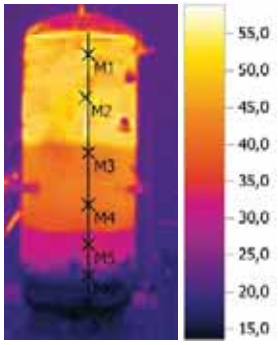
d- Buffer tank
f - External lining
g - Top cover
h - Thermal insulation
j - Lifting eyes
c - Stratifier collector

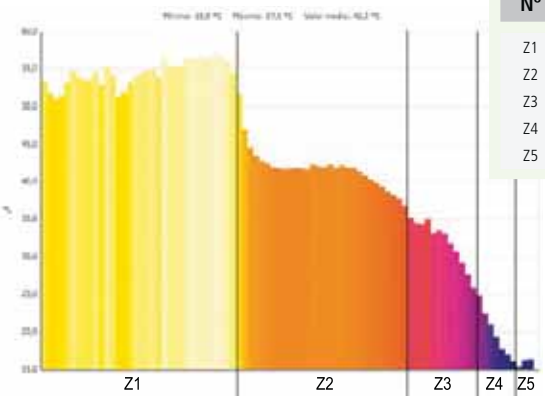
GENERAL CHARACTERISTICS		MV-2000-L	MV-3000-L	MV-4000-L	MV-5000-L
DHW capacity	l.	2000	3000	4000	5000
D: external diameter	mm.	1360	1660	1910	1910
H: overall height	mm.	2280	2305	2310	2710
Diagonal	mm.	2655	2841	2998	3316
eh: side connection	" GAS/F	2	2	2	2
R: side connection	" GAS/F	2	2	2	2
N: side connection	" GAS/F	3	3	3	3
p: upper connection	" GAS/F	2	2	2	2
tm: probe tube connection for sensors	" GAS/F	1/2	1/2	1/2	1/2
S: collector connection	" GAS/F	3	3	3	3
Empty weight (approx.)	Kg	428	616	965	1080

Thermal camera images comparing an "L" buffer tank with thermal stratification and a normal inertia model. Independent tests.

Inertia buffer tank (L) WITH integrated thermal stratification



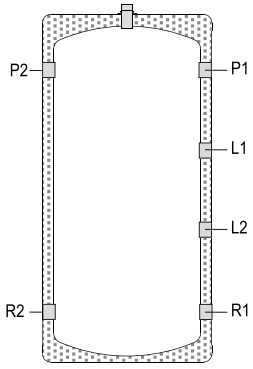


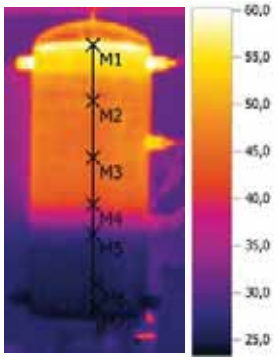


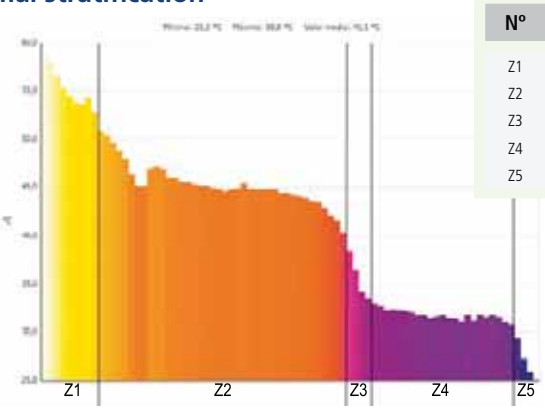
Nº	Temp. (ºC)	%
Z1	60,0	39
Z2	45,0	33
Z3	35,0	15
Z4	25,0	7
Z5	20,0	6

- Input of water to L2 tank: 40 ºC
- Extraction of water from R1 tank: 15 ºC
- Continuous flow during test: 500 l/h
- Volume of water during test: 140 litres

Inertia buffer tank WITHOUT integrated thermal stratification



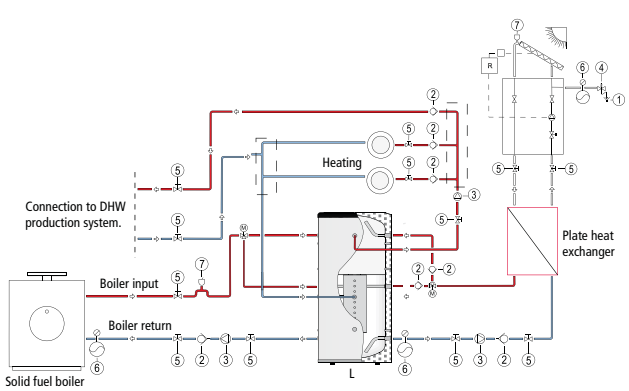




Nº	Temp. (ºC)	%
Z1	60,0	11
Z2	45,0	50
Z3	35,0	6
Z4	25,0	28
Z5	20,0	6

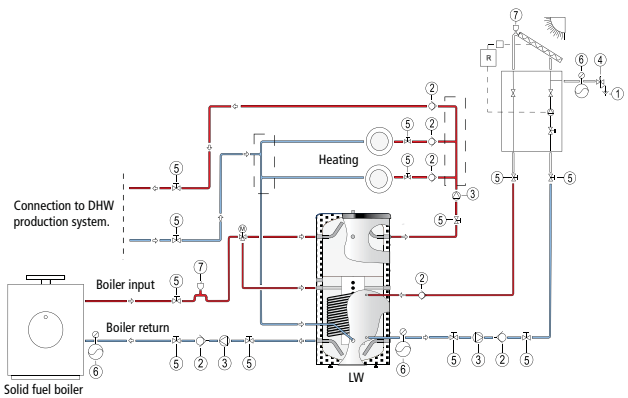
- Input of water to L2 tank: 40ºC
- Extraction of water from R1 tank: 15ºC
- Continuous flow during test: 500 l/h
- Volume of water during test: 140 litres

BUFFERING ENERGY CENTER (L)
Connection to DHW production system through plate heat exchanger or DHW tank.



1 - Drain
2 - Non-return valve
3 - Pump
4 - Safety valve
5 - Shut-off valve
6 - Expansion vessel
7 - Vent

BUFFERING ENERGY CENTER (LW)
Connection to DHW production system through plate heat exchanger or DHW tank.



1 - Drain
2 - Non-return valve
3 - Pump
4 - Safety valve
5 - Shut-off valve
6 - Expansion vessel
7 - Vent