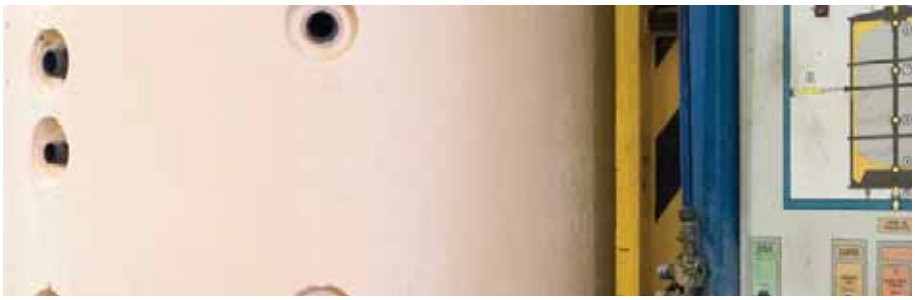
THERMAL INSULATION - INERTIA

The **"GEISER INERTIA AND MASTER INERTIA"** series of tanks are thermally insulated at the factory by direct mould-injection with CFC-free and HCFC-free PU material.
This system guarantees a perfectly regular insulation thickness with optimum material density.
The thicknesses indicated in the table refer to the circular tank body, but the insulation is much thicker on the top part (up to four times greater).
Because the top zone of the tank has better thermal protection, heat losses are much lower than those specified by the most stringent regulations, such as the DIN 4753/8 standard.



Rigid, mould-injected PU insulating material.

- *Minimal heat loss!*
- *For hot and cold water!*
- *No condensation on tank body!*
- *Compact block, no joints!*

TABLE OF THERMAL INSULATION: GEISER INERTIA / MASTER INERTIA SERIES

Serie	Tank model	Thermal insulation k= 0.025 W/m ºK	Insulation thickness PU (mm.)	Static heat losses EN 12897 (W)	ErP (EU 812/2013)	Minimum thickness of equivalent insulation with other insulating materials(mm) Flexible polyurethane foam* k= 0,040 W/m ºK	Rockwool* k= 0,034 - 0,042 W/m ºK	Fiberglass* k= 0,035 - 0,046 W/m ºK
GEISER INERTIA	**G-50-IF**	PU	40	37	B	65	55 - 70	55 - 75
GEISER INERTIA	**G-80-IF and GX4-80-I/F**	PU	40	45	B	65	55 - 70	55 - 75
GEISER INERTIA	**G-140-IF and GX4-140-I/F**	PU	40	60	C	65	55 - 70	55 - 75
GEISER INERTIA	**G-200-IF and GX4200-I/F**	PU	40	60	B	65	55 - 70	55 - 75
GEISER INERTIA	**G-260-I/IF/IFS and GX4-260-I/F**	PU	40	83	C	65	55 - 70	55 - 75
GEISER INERTIA	**G-370-I/IF/IS/IFS and GX4-370-I/F**	PU	40	85	C	65	55 - 70	55 - 75
GEISER INERTIA	**GX4-500-I/F**	PU	60	81	B	65	55 - 70	55 - 75
GEISER INERTIA	**G-600-I/IF/IS/IFS**	PU	40	95	C	65	55 - 70	55 - 75
GEISER INERTIA	**G-800-I/IF/IS/IFS/L*/LW***	PU	80	99/*87	C/*B	130	110 - 140	115 - 160
GEISER INERTIA	**GX4-800-I/F**	PU	80	99	C	130	110 - 140	115 - 160
GEISER INERTIA	**G-1000-I/IF/IS/IFS/L/LW**	PU	80	114	C	130	110 - 140	115 - 160
GEISER INERTIA	**GX4-1000-I/F**	PU	80	114	C	130	110 - 140	115 - 160
GEISER INERTIA	**G-1500-I/IF/IS/IFS/L/LW**	PU	80	156	C	130	110 - 140	115 - 160
MASTER INERTIA	**MV-1500-I/IB*/ISB*/L/LW**	PU	80	145/*154	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-2000-I/IB*/ISB*/L/LW**	PU	80	164/*174	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-2500-I/IB*/ISB*/L/LW**	PU	80	183/*194	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-3000-I/IB*/ISB*/L/LW**	PU	80	203/*215	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-3500-I/IB*/ISB*/L/LW**	PU	80	218/*232	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-4000-I/IB*/ISB*/L/LW**	PU	80	231/*245	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-5000-I/IB*/ISB*/L/LW**	PU	80	250/*265	C	130	110 - 140	115 - 155
MASTER INERTIA	**MV-6000-IB**	PU	80	250/*280	C	130	110 - 140	115 - 155

(*) Detachable insulation systems can lose up to 25% of the insulating capacity overall, so that in that case the insulation thickness will increased proportionally.