



The "**MASTER VITRO**" series of tanks are thermally insulated at the factory by direct mould-injection with PU material CFC- and HCFC-free.

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: MASTER VITRO SERIES

Serie	Type	Model	Thermal insulation $k = 0.025$ W/m °K	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 °K	Rockwool* $k = 0,034 - 0,042$ W/m °K	Fiberglass* $k = 0,035 - 0,046$ W/m °K
MASTER VITRO	COIL STORAGE	MVV-1500-RB/SB/SSB/S2B/SS2B	PU	80	154	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-2000-RB/SB/SSB/S2B/SS2B	PU	80	174	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-2500-RB/SB/SSB/S2B/SS2B	PU	80	194	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-3000-RB/SB/SSB/S2B/SS2B	PU	80	215	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-3500-RB/SB/SSB/S2B/SS2B	PU	80	232	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-4000-RB/SB/SSB/S2B/SS2B	PU	80	245	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-5000-RB/SB/SSB/S2B/SS2B	PU	80	266	C	130	110 - 140	115 - 155
MASTER VITRO		MVV-6000-RB/SB/SSB/S2B/SS2B	PU	80	280	C	130	110 - 140	115 - 155

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