

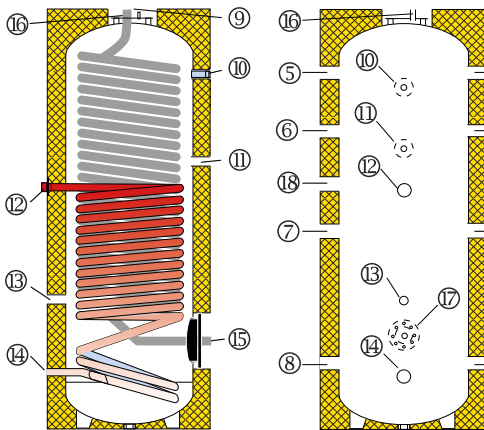
NEW GENERATION OF MEGA TANK INOX

FOR DHW AND SPACE HEATING

WITH 6 DIFFERENT HEATING SOURCES

The tanks MEGA TANK-INOX 300-500-800-1000-1000(2500 lt /h) for domestic hot water are specially designed for the uninterrupted supply of DHW in hotel units of all scales. The innovative tanks MEGA TANK- INOX have a special stainless steel coil for the immediate production of DHW with the "fresh water" technology. The DHW passes through the stainless steel coil and it is heated immediately, without coming into contact with the stored hot water in the tank, ensuring by this way totally running and clean hot water. The need for disinfection of the tank (anti-legionella) is eliminated, as the water that ends up in the supplies is constantly recovered.

The large exchange surface as well as its large diameter (DN 25 or DN 32) ensure the high efficiency of the system at flows reaching up to 2500lt/h. **A MEGA TANK - INOX 1000 can provide 2500 lt / h of Hot Water for domestic use during peak demand of 1.5 hours or more with a uniform distribution and duration for each 20 minutes shower*** The tanks MEGA TANK-INOX 1000 are ideal for space heating and because of the many provisions they have they can simultaneously be connected to low-high temperature heat pump, gas-oil- pellet boiler , solar collectors or other renewable energy sources providing at the same time space heating and domestic hot water through the large stainless steel exchanger DN 25 / DN 32.



1. Buffer connection (Hot) 1 1/2"
2. Buffer connection (Hot Lower Level) 1 1/2"
3. Buffer connection (Return Upper Level) 1 1/2"
4. Buffer connection (Return) 1 1/2"
5. Buffer connection (Hot) 1 1/2"
6. Buffer connection (Hot Lower Level) 1 1/2"
7. Buffer connection (Return Upper Level) 1 1/2"
8. Buffer connection (Return) 1 1/2"
9. Air ventilator 1/2"
10. Sensor connection (Upper Level) 1/2"
11. Sensor connection 1/2"
12. Inlet from Solar (Hot) 1 1/4"
13. Solar Water Heater's Sensor Connection 1/2"
14. Return to Solar Water Heater (Cold) 1 1/4"
15. Domestic Water Inlet (supply) 1 1/2"
16. Domestic hot water outlet 1 1/2"
17. Cleaning flange
18. Position of Electrical resistance 1 1/2"



The leather color is not binding.



7 UNIQUE ADVANTAGES



Continuous operation of the pump without interruptions and ALARM

The design of the MEGA TANK – INOX enables the heat pump to operate without interruptions or reductions of compressor speed without presenting ALARM overheating something that occurs in most hot water tanks with a fixed heat exchanger (coil), especially if the pump is not type INVENTER.



Clean consumption water

The domestic hot water passes continuously through the stainless steel heat exchanger without being permanently stored in the tank resulting in the prevention of the growth of harmful bacteria (legionella phenomenon).



Lower power consumption

The continuous and direct charging of the tank by the heat pump and without the intervention of a metal heat exchanger allows the pump to have longer operating intervals (without stops and starts) of the compressor or without lowering its speed in the case of an INVENTER type heat pump resulting to lower power consumption.



Long lifespan

The consumption water passes through the 316L stainless steel exchanger, ensuring a longer lifespan compared to a common large capacity tank. In addition, the spiral design of the heat exchanger does not allow the salt deposition ensuring great durability over time.



18 provisions 1 1/2" 1 1/4" for adding another 6 different heating sources

The MEGA TANK-INOX have 18 outlets 1 1/2" giving the possibility of installing other heating sources too such as gas/oil heating boilers, electric boilers, wood boilers, energy fireplaces, electric resistance, solar collectors... etc.



Space saving – easy installation – more economical cost

The tanks MEGA TANK-INOX DN 32 occupy less space in the boiler room because they ensure at least double volume of hot water compared to their capacity and require much lower installation costs.



Efficient – Functional – Easy to install

The rapid natural heating of the domestic hot water directly from the tank and **without a forced circulation**, combined with the existence of the large surface area of the heat exchanger, make the MEGA TANK INOX particularly efficient and functional **without requiring specialized staff for its installation and maintenance**.

*The above mentioned proposal cannot of course be absolute and it can be adjusted according to the requirements of the project and the assessment of the consultant

MEGA TANK INOX DN 25 & DN 32

ΤΕΧΝΙΚΑ ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ / TECHNICAL CHARACTERISTICS

300L-500L-800L-1000L-1000L (2500 ltr/h)

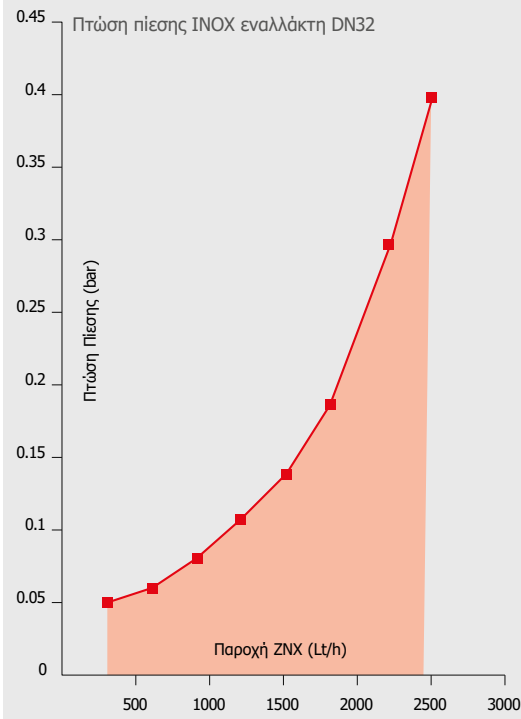
ΥΔΡΑΥΛΙΚΕΣ ΣΥΝΔΕΣΕΙΣ / HYDRAULIC CONNECTIONS

MEGA TANK INOX DN 25	300 L	500 L	800 L	1000 L
ΘΕΣΗ ΑΙΣΘΗΤΗΡΙΟΥ / SENSORS	1/2"	1/2"	1/2"	1/2"
ΕΝΑΛΛΑΚΤΗΣ ΗΛΙΑΚΩΝ HEAT EXCHANGER FOR SOLAR	1"	1 1/4"	1 1/4"	1 1/4"
ΣΥΝΔΕΣΕΙΣ / CONNECTIONS	1 1/2"	1 1/2"	1 1/2"	1 1/2"
ΥΠΟΔΟΧΗ ΑΝΤΙΣΤΑΣΗΣ ELECTRIC RESISTANCE INLET	1 1/2"	1 1/2"	1 1/2"	1 1/2"
ΕΞΟΔΟΣ ΖΝΧ / DHW OUTLET	1"	1"	1"	1"
ΕΙΣΑΓΩΓΗ ΚΡΥΟΥ ΝΕΡΟΥ ΧΡΗΣΗΣ / COLD INLET	1"	1"	1"	1"
ΔΙΑΤΟΜΗ ΑΝΟΞΕΙΔΩΤΟΥ ΕΝΑΛΛΑΚΤΗ SIZE OF STAINLESS STEEL HEAT EXCHANGER	DN25			

MEGA TANK INOX DN 32 [1000 (2500ltr/h)]

ΥΔΡΑΥΛΙΚΕΣ ΣΥΝΔΕΣΕΙΣ / HYDRAULIC CONNECTIONS	MEGA TANK INOX DN32 1000 (2500 lt/h)
ΘΕΣΗ ΑΙΣΘΗΤΗΡΙΟΥ / SENSORS	1/2"
ΕΝΑΛΛΑΚΤΗΣ ΗΛΙΑΚΩΝ HEAT EXCHANGER FOR SOLAR	1 1/4"
ΣΥΝΔΕΣΕΙΣ / CONNECTIONS	1 1/2"
ΥΠΟΔΟΧΗ ΑΝΤΙΣΤΑΣΗΣ ELECTRIC RESISTANCE INLET	1 1/2"
ΕΞΟΔΟΣ ΖΝΧ / DHW OUTLET	1 1/2"
ΕΙΣΑΓΩΓΗ ΚΡΥΟΥ ΝΕΡΟΥ ΧΡΗΣΗΣ / COLD INLET	1 1/2"
ΔΙΑΤΟΜΗ ΑΝΟΞΕΙΔΩΤΟΥ ΕΝΑΛΛΑΚΤΗ SIZE OF STAINLESS STEEL HEAT EXCHANGER	DN32

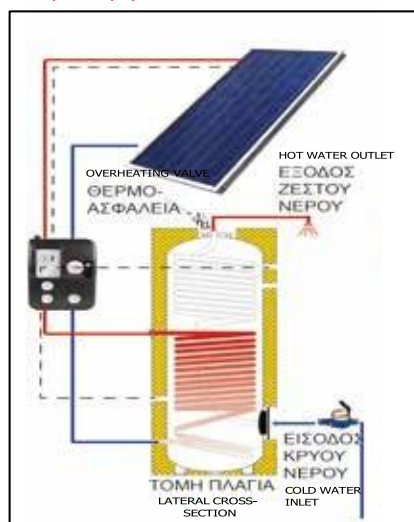
ΠΤΩΣΗ ΠΙΕΣΗΣ / PRESSURE DROP MEGA TANK INOX DN32 1000 (2500 lt/h)



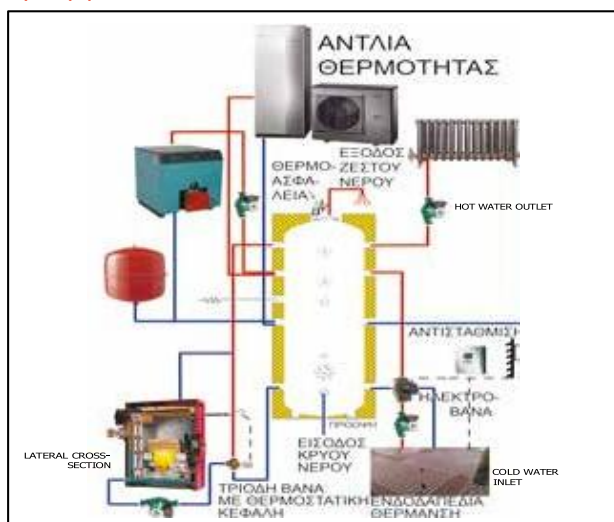
Τυπική Εγκατάσταση Δοχείου MEGA TANK INOX με INOX εναλλάκτη ζεστού νερού χρήσης για σύνδεση με αντλία θερμότητας, λέβητα στερεών καυσίμων, λέβητα πετρελαίου/αερίων, σύστημα θέρμανσης υψηλών θερμοκρασιών (καλοριφέρ), σύστημα θέρμανσης χαμηλών θερμοκρασιών (ενδοδαπέδιο) και με ηλιακή υποβοήθηση.

Typical Installation of MEGA TANK INOX an INOX heat exchanger for DHW for connection to solid fuel boiler, diesel/gas boiler, heat pump, high-temperature heating system (radiator), low-temperature heating system (floor heating) and solar heating system.

Πλάγια τομή



Πρόοψη



ΠΡΟΣΟΧΗ: Τα δοχεία έχουν μέγιστη πίεση λειτουργίας 8 Bar. Είναι απαραίτητο η τοποθέτηση βαλβίδας ασφαλείας 6 bar και δοχείου διαστολής στην είσοδο του κρύου.

ATTENTION: Tanks have a maximum service pressure of 8 Bar. It is necessary to install a 6 bar TP Valve and an expansion vessel in the cold inlet.

Σημείωση: Οι παραπάνω σχηματικές παραστάσεις είναι τυπικά σχέδια βασικής αρχής. Θα πρέπει πάντα να συμβουλευέστε έναν εξειδικευμένο θερμομηχανικό για τη δική σας εγκατάσταση.
Note: The above drawings of installation are typical drawings of basic principles. You must always consult a specialized thermo-mechanical engineer for your own installation.

	ΔΙΑΤΟΜΗ ΕΝΑΛΛΑΚΤΗ INOX DN25				ΔΙΑΤΟΜΗ ΕΝΑΛΛΑΚΤΗ INOX DN32
MEGA TANK INOX	300 L	500 L	800 L	1000 L	1000 L (2500 ltr/h)
ΣΥΝΕΧΗ ΠΑΡΟΧΗ ΖΕΣΤΟΥ ΝΕΡΟΥ 45° C ΜΕ ΘΕΡΜΟΚΡΑΣΙΑ ΑΠΟΘΗΚΕΥΣΗΣ 60° (l/h)	1215	1350	1420	1490	2500
CONTINUOUS HOT WATER SUPPLY 45° C WITH STORAGE TEMPERATURE 60° (l/h)	1215	1350	1420	1490	2500

Τεχνικά Χαρακτηριστικά - MEGA TANK INOX - Technical characteristics

DN 25 - DN 32



MEGA TANK INOX DN 25												
ΧΩΡΗΤΙΚΟΤΗΤΑ	CAPACITY		300 ΛΙΤΡΑ					500 ΛΙΤΡΑ				
Εναλλάκτες	Heat Exchangers		ΗΛΙΑΚΩΝ					ΗΛΙΑΚΩΝ				
			SOLAR					SOLAR				
Χωρητικότητα εναλλάκτη*	Heat Exchanger Capacity*	LT	7,4					11,5				
Επιφάνεια εναλλάκτη*	Heat Exchanger surface area*	m ²	1,4					2,2				
Παροχή πρωτεύοντος	Lower Heat Exch. Flow Rate	m ³ /h	3					3				
Θερμοκρασία εισόδου	Inlet temperature	C	55	70	80	90		55	70	80	90	
Ισχύς εναλλάκτη	Heat Exchanger Power	KW	12,3	25	32,6	41		16,7	32,2	42,6	54,2	
Συνεχής παροχή ζεστού νερού 45°C με θερμοκρασία αποθήκευσης 60°C (μοντελα buf 1 inox)	Hot water continuous supply at 45°C with water storage temperature at 60°C (Model BUF 1 INOX)	LTR/h	1215					1350				
Απώλειες μόνωσης**	Thermal Losses**	KWh/24h	2,24					2,91				

Avaxi/Tolerance +/- 7%

MEGA TANK INOX DN 25												
ΧΩΡΗΤΙΚΟΤΗΤΑ	CAPACITY		800 ΛΙΤΡΑ					1000 ΛΙΤΡΑ				
Εναλλάκτες	Heat Exchangers		ΗΛΙΑΚΩΝ					ΗΛΙΑΚΩΝ				
			SOLAR					SOLAR				
Χωρητικότητα εναλλάκτη*	Heat Exchanger Capacity*	LT	11,5					13,3				
Επιφάνεια εναλλάκτη*	Heat Exchanger surface area*	m ²	2,2					2,5				
Παροχή πρωτεύοντος	Lower Heat Exch. Flow Rate	m ³ /h	3					3				
Θερμοκρασία εισόδου	Inlet temperature	C	55	70	80	90		55	70	80	90	
Ισχύς εναλλάκτη*	Heat Exchanger Power*	KW	17	32	43	54		20,5	40	53	65,5	
Συνεχής παροχή ζεστού νερού 45°C με θερμοκρασία αποθήκευσης 60°C (μοντελα buf 1 inox)	Hot water continuous supply at 45°C with water storage temperature at 60°C (Model BUF 1 INOX)	LTR/h	1420					1490				
Απώλειες μόνωσης**	Thermal Losses**	KWh/24h	3,22					3,6				

Avaxi/Tolerance +/- 7%

MEGA TANK INOX DN 32												
ΧΩΡΗΤΙΚΟΤΗΤΑ / CAPACITY (lt)	1000 (2500lt/h)		ΕΝΑΛΛΑΚΤΗΣ ΗΛΙΑΚΩΝ SOLAR EXCHANGER				ΕΝΑΛΛΑΚΤΗΣ INOX INOX EXCHANGER					
Χωρητικότητα εναλλάκτη / Heat exchanger capacity			13,3				40,95					
Επιφάνεια εναλλάκτη/ Heat exchanger surface	LT		2,5				7,48					
Παροχή πρωτεύοντος / Lower heat exchanger Flow rate	m ²		3									
Θερμοκρασία εισόδου / Inlet temperature	C		55	70	80	90	55	70	80	90		
Ισχύς εναλλάκτη*/ Heat exchanger power*	KW		20,5	40	53	65,5	20,5	40	53	65,5		
Συνεχής παροχή ζεστού νερού / Hot water continuous supply**			2,500									
Απώλειες μόνωσης***/ Heat losses***	KWh/24h		3,6									

* Θερμοκρασία κρύου νερού 10 °C. Θερμοκρασία εξόδου ζεστού νερού 45°C.
 ** 45°C με θερμοκρασία αποθήκευσης 60°C.
 *** Θερμοκρασία νερού αποθήκευσης 65°C. Θερμοκρασία περιβάλλοντος 20°C.

* Cold water temperature 10°C. Hot water outlet temperature 45°C. Storage temperature 60°C.
 ** 45°C with water storage temperature at 60°C
 *** Water storage temperature 65°C - Ambient temperature 20°C.