

TECHNICAL DATA

Accumulation double coil for the production of sanitary hot water. Internally glass lined in accordance with the German standard DIN 4753, specific for integration with combined boiler and solar thermal system. The upper coil ensures an efficient process of heat transfer to the boiler. In the lower part of the accumulation it is positioned the second coil specially designed to make the most of the thermal integration of the solar panels. The storage tank is insulated with rigid polyurethane foam, not removable, 50 mm thick. It foamed directly, which gives the remarkable insulating capacity system. The Eco Compact system features compact two-way solar station, factory-installed on the accumulation, together with an electronic high efficiency pump Wilo Yonos Para HU25 / 7.0. The solar station is equipped with air separator with manual vent, safety unit, the manual air vent on the impeller of the pump, non-return valve, load and exhaust valves. The system is run by a solar controller with five inputs for temperature and a control output PWM. The flow rate control is carried out automatically, without the help of the flow regulator. The Eco Compact system is supplied pre-wired at the factory. External finish in white and red upper thermoformed PVC. Manufactured in accordance with ISO 9002. Warranty 5 years accumulation, two years for the control unit and the circulation pump.

VOLUME CYLINDER	[l]	296
CONTENTS UPPER EXCHANGER	[l]	5,7
CONTENTS SOLAR EXCHANGER	[l]	7,2
SURFACE UPPER EXCHANGER	[m²]	1,0
SURFACE SOLAR EXCHANGER	[m²]	1,5
EMPTY WEIGHT	[kg]	124
MAX PRESSURE UPPER EXCHANGER	[bar]	10
MAX PRESSURE SOLAR EXCHANGER	[bar]	10
MAX PRESSURE CYLINDER	[bar]	6
MAXIMUM TEMPERATURE OF WORKING	[°C]	95
INSULATION THICKNESS	[mm]	50
TIPPING HEIGHT (including insulation)	[mm]	1780
A - OUTPUT EXCHANGE SOLAR (coil) - OUTSIDE THE COVER	[mm]	430 Ø18
B - INPUT EXCHANGE SOLAR (hot) - OUTSIDE THE COVER	[mm]	390 Ø18
C - SOLAR PROBE HOLDER COCKPIT	[mm]	452 Ø17
D - DIAMETER WITH INSULATION (max overall)	[mm]	610
E - SCREW FOR FIXING CARTER	[mm]	680 -
F - SLEEVE FOR ELECTRICAL RESISTANCE	[mm]	900 1" 1/2
G - PROBE HOLDER COCKPIT (factory-wired not firm)	[mm]	1422 Ø17
H - HEIGHT WITH INSULATION (max overall)	[mm]	1670
I - INLET COLD WATER HEALTH	[mm]	135 1"
L - OUTPUT UPPER EXCHANGER	[mm]	1030 1"
M - PROBE HOLDER COCKPIT	[mm]	1150 1/2"
N - RECYCLING HEALTH	[mm]	1250 1/2"
O - INPUT UPPER EXCHANGER	[mm]	1390 1"
P - OUT SIDE HOT WATER	[mm]	1523 1"
Q - ANODE MAGNESIUM (L = 700 mm)	[mm]	1670 1"1/4
ONDUCTIVITY THERMAL	[W/mK]	0.0225
HEAT LOSS ACCORDING EN 12897	[kW/h/24h]	2.0

It is recommended to provide all around and above the kettle the space required for the connection operations and maintenance of the hydraulic connections and the temperature sensors, as well as for the control and replacement of the anode to the magnesium.

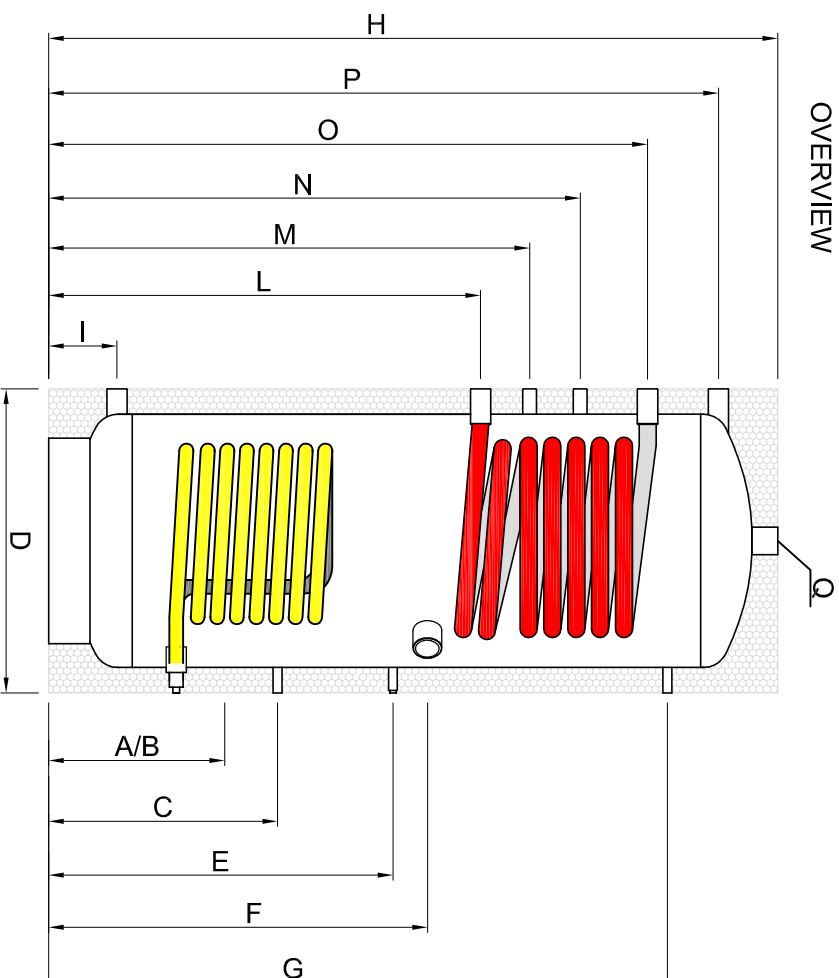
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SOLAR SYSTEMS AND ENERGY

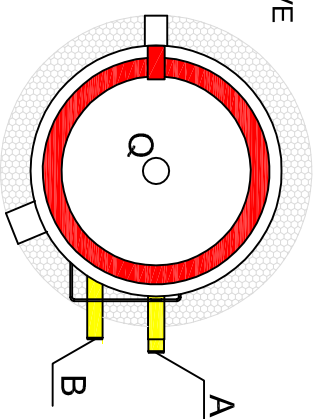
DESCRIPTION :	ITEM NUMBER :
Cylinder ECO COMPACT 300 for the accumulation and the production of sanitary hot water	1030303131
CLIENT :	

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OVERVIEW



VIEW FROM ABOVE



TECHNICAL DATA PUMP	U.V.	valore
WILLO YONOS PARA HU25/7.0	W	3 - 45
Power	V	230
Supply voltage	Hz	50/60
Frequency	A	0.44
Overcurrent	m	7.3
Maximum head	mm	Ø18
Solar attacks		

PERFORMANCE DATA

Conditions of use 70-60-45-10 ° C (supply boiler Sep accumulation -ACS-AFS)
- Maximum power greater exchanger 21 kW
- NL 2,2 (DIN4708 method)
- Initial Performance (10 minutes) 203 liters
- Continuous production (ACS = 45 ° C; AFS = 10 ° C) 516 l / h

SUPPLY KIT KETTLE

- Manual for the solar control instructions TR 501.
- Operating and maintenance instructions accumulation.
- Technical card accumulation.
- 1 FT1000 temperature probe wired.

SCHEME :	DATE :	DISEGNET :	CHECKED :
data sheet	01.04.16	E.L.	F. G.
REVIEW :			
Version 1,1			