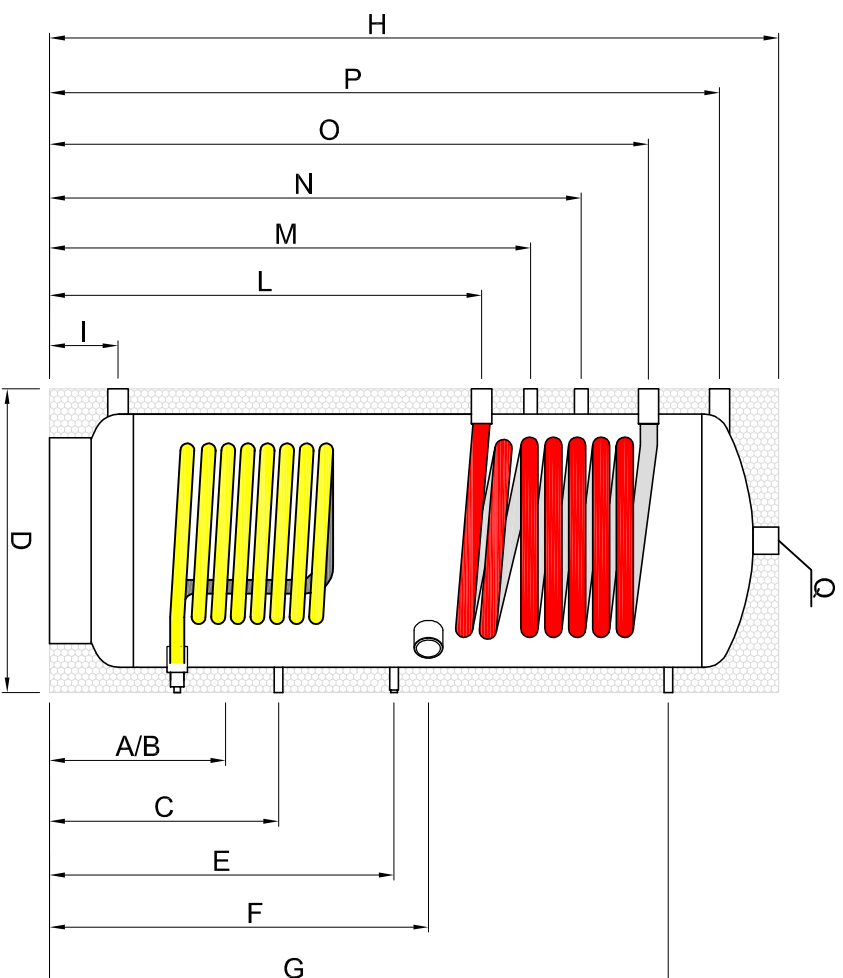
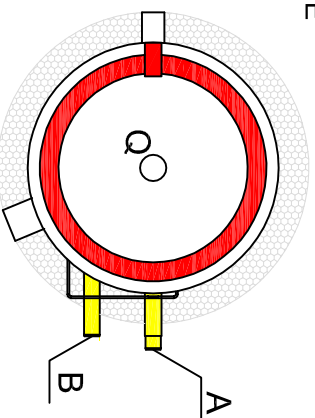


TECHNICAL DATA

Accumulation double coil for the production of sanitary hot water, internally glass lined in accordance with the German standard DN 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 PVmk. The flow rate control is carried out automatically, without the help of the flow regulator. The solar station is supplied pre-wired (12V). External finish in white and red upper part. The tank is made of high quality stainless steel, the cover is made of reinforced PVC. Maximum life expectancy of the system is 20 years. The warranty is 5 years for the control unit and the circulation pump.



VIEW FROM ABOVE



WILLO YONOS PARA HU25/7.0	
Power	W
Supply voltage	V
Frequency	Hz
Overcurrent	A
Maximum head	m
Solar attacks	mm

W	3 - 45
V	230
Hz	50/60
A	0.44
m	7.3
mm	Ø18

PERFORMANCE DATA

Conditions of use: 70-60-45-10 °C (supply boiler Sep accumulation - ACS-AFS)
- Maximum power greater exchanger 29.3 kW
- NL 4 (DN4708 method)
- Initial Performance (10 minutes) 286 liters
- Continuous production (ACS = 45 ° C; AFS = 10 ° C) 720 l/h

SUPPLY KIT KETTLE

- Manual for the solar control instructions TR-501.
- Operating and maintenance instructions accumulation.
- Technical card accumulation.
- 1 PT1000 temperature probe wired.

VOLUME CYLINDER	[l]	509
CONTENTS UPPER EXCHANGER	[l]	8.5
CONTENTS SOLAR EXCHANGER	[l]	10.4
SURFACE UPPER EXCHANGER	[m²]	1.4
SURFACE SOLAR EXCHANGER	[m²]	2.1
EMPTY WEIGHT	[kg]	190
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]	1900
A - OUTPUT EXCHANGE SOLAR (cold) - OUTSIDE THE COVER	[mm]	410 Ø18
B - INPUT EXCHANGE SOLAR (hot) - OUTSIDE THE COVER	[mm]	370 Ø18
C - SOLAR PROBE HOLDER COCKPIT	[mm]	477 Ø17
D - DIAMETER WITH INSULATION (max overall)	[mm]	760
E - SCREW FOR FIXING CARTER	[mm]	705 -
F - SLEEVE FOR ELECTRICAL RESISTANCE	[mm]	900 1" 1/2
G - PROBE HOLDER COCKPIT (factory wired not flm)	[mm]	1490 Ø17
H - HEIGHT WITH INSULATION (max overall)	[mm]	1740
I - INLET COLD WATER HEALTH	[mm]	145 1"
L - OUTPUT UPPER EXCHANGER	[mm]	1050 1"
M - PROBE HOLDER COCKPIT	[mm]	1170 1/2"
N - RECYCLING HEALTH	[mm]	1270 1/2"
O - INPUT UPPER EXCHANGER	[mm]	1455 1"
P - OUT SIDE HOT WATER	[mm]	1570 1"
Q - ANODE MAGNESSIUM (L = 700 mm)	[mm]	1740 1" 1/4
CONDUCTIVITY THERMAL	[W/mK]	0.0225
HEAT LOSS ACCORDING EN 12897	[kWh/24h]	2.6

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.

PLEION Srl

SOLAR SYSTEMS AND ENERGY

DESCRIPTION:

Cylinder ECO COMPACT 500
for the accumulation
and the
production of sanitary hot water

ITEM NUMBER:	1030305141
CLIENT:	

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