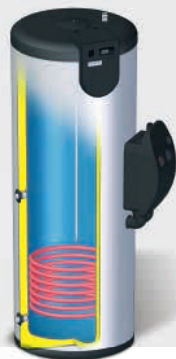


# DS-PACK

COMPLETE FORCED CIRCULATION SOLAR UNIT

STAINLESS STEEL TANK  
SELECTIVE SOLAR COLLECTOR  
COMPLETE EQUIPMENT



## SPECIFICATIONS

MODEL	TOTAL VOLUME L	PRIMARY CIRCUIT VOLUME (TANK+COLLECTORS) L	PEAK FLOW L/ 10 min 30°	COLLECTOR ABSORPTION SURFACE m <sup>2</sup>	COLLECTOR N°	HEATING EFFICIENCY CLASS
DS-PACK 190 1 C	190	5.45	320	1.89	1	C →
DS-PACK 190 2 C	190	6.55	320	3.78	2	
DS-PACK 300 2 C	300	8.38	550	3.78	2	
DS-PACK 300 3 C	300	9.58	550	5.67	3	-
DS-PACK 500 3 C	505	15.00	917	5.67	3	
DS-PACK 500 4 C	505	16.10	917	7.56	4	
DS-PACK 750 4 C	745	19.80	1,366	7.56	4	
DS-PACK 750 5 C	745	20.90	1,366	9.45	5	
DS-PACK 750 6 C	745	22.00	1,366	11.34	6	

## BRACKETS

Brackets

## OPTIONS

Solar expansion vessel kit 12 L (for DS PACK 190-300)

Solar expansion vessel kit 18 L (for DS PACK 500-750)

Expansion vessel DHW 18 L (for DS PACK 300-500)

Dielectric sleeves (DS-PACK 300/500)

Probe (for double sensor orientation)

5 L anti-freezing liquid (100% concentration)

Bulb-holder (for double sensor orientation)

DHW relief valve (DS-PACK 300/500)

Cathodic protection V

Electric heating element 1.5 kW

Electric heating element 2.5 kW

Electric heating element 3.5 kW

Hydraulic connection 15 m DN16 Inox

Hydraulic connection 15 m DN20 Inox

Double connector for tube joint DN16

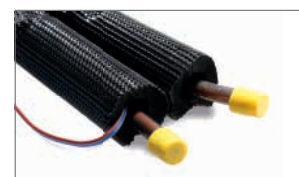
Double connector for tube joint DN20

Connection kit to the collector DN16 - 3/4

Connection kit to the collector DN20 - 3/4

4 brackets kit for tube DN16

4 brackets kit for tube DN20



Hydraulic connection



DS-PACK expansion vessel kit

EQUIPMENT	
Flow meter	Expanded polypropylene insulating casing
Flow regulator	Stainless steel tank
Shut-off valves for flow and return	Solar collector
Check valves	Connectors
Flow and return thermometers	Circulation pump
Solar circuit pressure relief valve 6 bar	Solar regulation
Pressure gauge	Tank sensor
3/4" M socket for expansion vessel connection	Solar panel sensor
Filling and draining points	Bulb-holder
Bleed chamber for flow	

DHW EFFICIENCY CLASS				
MODEL	DS-PACK 190 1 C	DS-PACK 190 2 C	DS-PACK 300 2 C	DS-PACK 300 3 C
EVOLUTION EV HFM	A	A+	A++	A+++
EVOLUTION EV HFDX	A	A	A+	A+
EVOLUTION EV HAM	A	A+	A++	A+++
SIRENA MIX DUO H	A	A+	A++	A+++
SIRENA MIX DUO HV	A	A+	A++	A+++
SIRENA MIX DUO HFDE	A	A+	A++	A+++
SIRENA MIX DUO HFD	A	A+	A++	A+++
CLIMA PLUS H	A	A+	A++	A+++
CLIMA PLUS HFD	A	A+	A++	A+++
MCF HDN	A	A	A+	A+
MCF HDX / HDXV	A	A	A+	A+
MCF HDX / MCF HDXV	A	A	A+	A+
TERMA H / TERMA HV	A	A	A+	A+
AVANTTIA H	A	A	A+	A+

NOTE: Information calculated according to NF441 and mountain climatic area.

Anti freezing liquid % (volume)	-15	20	25	30	35	40	45	50	55	60
Frozen point in °C +/- 2	-5	-7	-10	-13	-17	-22	-27	-34	-40	-51

## DIMENSIONS

**DS-PACK 190-300-500**

**DS-PACK 750**

DIMENSIONS	
A	1,218
B	1,272
C	1,988
D	90
E	1,912
F	2,544

MODEL		DS-PACK 190	DS-PACK 300	DS-PACK 500	DS-PACK 750
A	mm	985	950	1,030	1,200
B	mm	187	187	215	252
C	mm	925	875	955	1,106
D	mm	154	135	220	-
Base measurement	∅ mm	581	608	758	858
Height measurement	mm	1,240	1,718	1,805	1,938
DHW return	RACS ∅	3/4" H	3/4" H	3/4" H	3/4" H
Cold water inlet	ES ∅	3/4" H	1" M	1" M	1 1/2" M
Hot water outlet	SS ∅	3/4" H	1" M	1" M	1 1/2" M
Primary solar inlet	IS ∅	3/4" H	3/4" H	3/4" H	3/4" H
Primary solar outlet	RS ∅	3/4" H	3/4" H	3/4" H	3/4" H
Element socket	TR ∅	1 1/4" H	1 1/4" H	1 1/4" H	1 1/4" H

# DS-PACK DUO

COMPLETE FORCED CIRCULATION SOLAR UNIT  
WITH DOUBLE HEAT EXCHANGER

STAINLESS STEEL TANK  
SELECTIVE SOLAR COLLECTOR  
COMPLETE EQUIPMENT



## SPECIFICATIONS

MODEL	TOTAL VOLUME L	PRIMARY CIRCUIT VOLUME (TANK+COLLECTORS) L	PEAK FLOW L/10 min 30°	SUPPORT EXCHANGER SURFACE m <sup>2</sup>	COLLECTOR ABSORPTION SURFACES m <sup>2</sup>	COLLECTOR N°	DHW EFFICIENCY CLASS
DS-PACK DUO 300 2 C	300	8.38	550	0.83	3.78	2	C
DS-PACK DUO 300 3 C	300	9.58	550	0.83	5.67	3	C
DS-PACK DUO 500 3 C	505	15.00	917	1.13	5.67	3	-
DS-PACK DUO 500 4 C	505	16.10	917	1.13	7.56	4	-
DS-PACK DUO 750 4 C	745	19.80	1,366	1.23	7.56	4	-
DS-PACK DUO 750 5 C	745	20.90	1,366	1.23	9.45	5	-
DS-PACK DUO 750 6 C	745	22.00	1,366	1.23	11.34	6	-

## BRACKETS

Brackets

## OPTIONS

Solar expansion vessel kit 12 L (for DS PACK DUO 300)

Solar expansion vessel kit 18 L (for DS PACK DUO 500-750)

Expansion vessel DHW 18 L (for DS PACK DUO 300-500)

Dielectric sleeves (DS-PACK DUO 300/500)

Probe (for double sensor orientation)

5 L anti-freezing liquid (100% concentration)

Bulb-holder (for double sensor orientation)

DHW relief valve (DS-PACK DUO 300/500)

Cathodic protection V DS-PACK DUO

Electric heating element 1.5 kW

Electric heating element 2.5 kW

Electric heating element 3.5 kW

Hydraulic connection 15 m DN16 Inox

Hydraulic connection 15 m DN20 Inox

Double connector for tube joint DN16

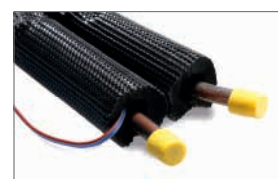
Double connector for tube joint DN20

Connection kit to the collector DN16 - 3/4

Connection kit to the collector DN20 - 3/4

4 brackets kit for tube DN16

4 brackets kit for tube DN20



Hydraulic connection



Expansion vessel kit DS-PACK

EQUIPMENT	
Flow meter	Expanded polypropylene insulating casing
Flow regulator	Stainless steel tank
Shut-off valves for flow and return	Solar collector
Check valves	Connectors
Flow and return thermometers	Circulation pump
Solar circuit pressure relief valve 6 bar	Solar regulation
Pressure gauge	Tank lower sensor
3/4" M socket for expansion vessel connection	Tank upper sensor
Filling and draining points	Solar panel sensor
Bleed chamber for flow	Bulb-holder

DHW EFFICIENCY CLASS		
MODEL	DS-PACK DUO 300 2 C	DS-PACK DUO 300 3 C
EVOLUTION EV HFC		
EVOLUTION EV HAC		
SIRENA CAL H		
SIRENA CAL HV	A	A
SIRENA CAL HFDE		
SIRENA CAL HFD		
JAKA HFD CONDENS		
JAKA HFD		

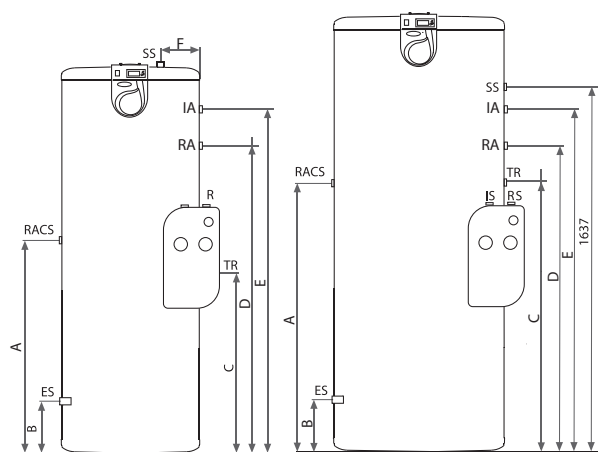
NOTE: Information calculated according to NF441 and mountain climatic area.

Anti freezing liquid % (volume)	-15	20	25	30	35	40	45	50	55	60
Frozen point in °C +/- 2	-5	-7	-10	-13	-17	-22	-27	-34	-40	-51

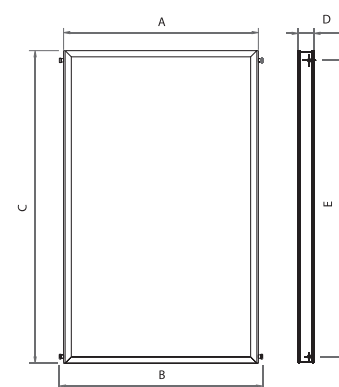
## DIMENSIONS

### DS-PACK DUO 300-500

### DS-PACK DUO 750



DIMENSIONS	
A	1,218
B	1,272
C	1,988
D	90
E	1,912
F	2,544



MODEL		DS-PACK DUO 300	DS-PACK DUO 500	DS-PACK DUO 750
A	mm	950	1,025	1,200
B	mm	187	206	252
C	mm	875	950	1,106
D	mm	1,100	1,060	1,195
E	mm	1,400	1,420	1,510
F	mm	135	210	-
Base measurement	Ø mm	608	758	858
Height measurement	mm	1,718	1,758	1,938
DHW return	RACS Ø	¾" H	¾" H	¾" H
DHW inlet	ES Ø	1" M	1" M	1 ½" M
DHW outlet	SS Ø	1" M	1" M	1 ½" M
Solar outlet	RS Ø	¾" H	¾" H	¾" H
Solar return	IS Ø	¾" H	¾" H	¾" H
Immersion socket	TR Ø	1 ¼" H	1 ¼" H	1 ¼" H
Primary back-up return	RA Ø	¾" H	1" H	1" H
Primary back-up outlet	IA Ø	¾" H	1" H	1" H

