



The new degree of comfort.®



PRESENTING RHEEM'S LATEST

S^oLAR POWERED

WATER HEATING SYSTEM



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  Rheem Middle East and Africa



A Global American Brand

Why choose **Rheem®** ?

It is our **vision** to be a **strong global organization** with **world-class** processes, a robust infrastructure, and sound cultural values. It is also our vision to be a product **innovation leader** in all key markets served, producing consistently high-quality products—at the right cost, delivered on time, while providing superior value and service through recognition of the diverse needs of our customers.

11 R & D Centers

13 Rheem Business Offices

25 Manufacturing Facilities



SERVING YOU FOR NEAR 100 YEARS

About **Rheem®** ?

Founded in 1925, Rheem® is nearly a 100 year old North American manufacturer delivering innovative, energy-efficient air-conditioning and water-heating solutions under one roof to homes and business in more than 70 countries worldwide. From its Atlanta, Ga. Headquarters, three U.S.. manufacturing facilities, state-of-the-art distribution centre and Advanced Technology Integration (ATI) Lab, Rheem® designs, builds and supplies some of the most reliable, environmentally responsible and technologically advanced products in the industry. Under the “One Rheem Quality” promise, every Rheem® build everywhere in the world is held to the same high standard of excellence.



Our commitment to SUSTAINABILITY

For nearly 100 years, Rheem has been a leader in heating, cooling and water heating innovation. And we continue to lead with our bold approach to improvements for our products and processes to dramatically cut our impact on the environment, while empowering both our customers and employees to work and live sustainably. It's all a part of our bold vision for the future and equally bold commitment.

DESIGNED FOR ZERO WASTE



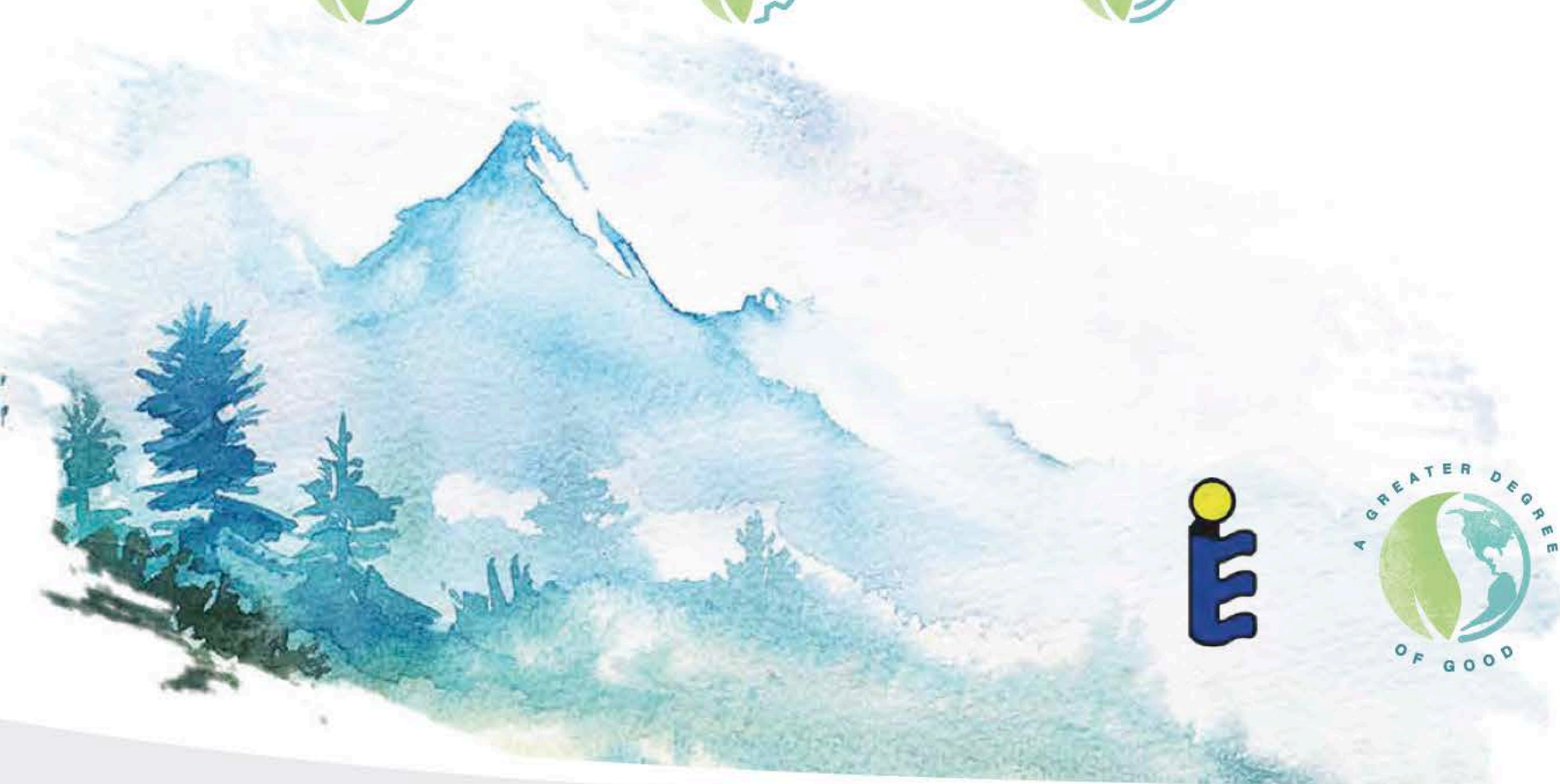
DEGREES OF
LEADERSHIP



DEGREES OF
INNOVATION



DEGREES OF
EFFICIENCY

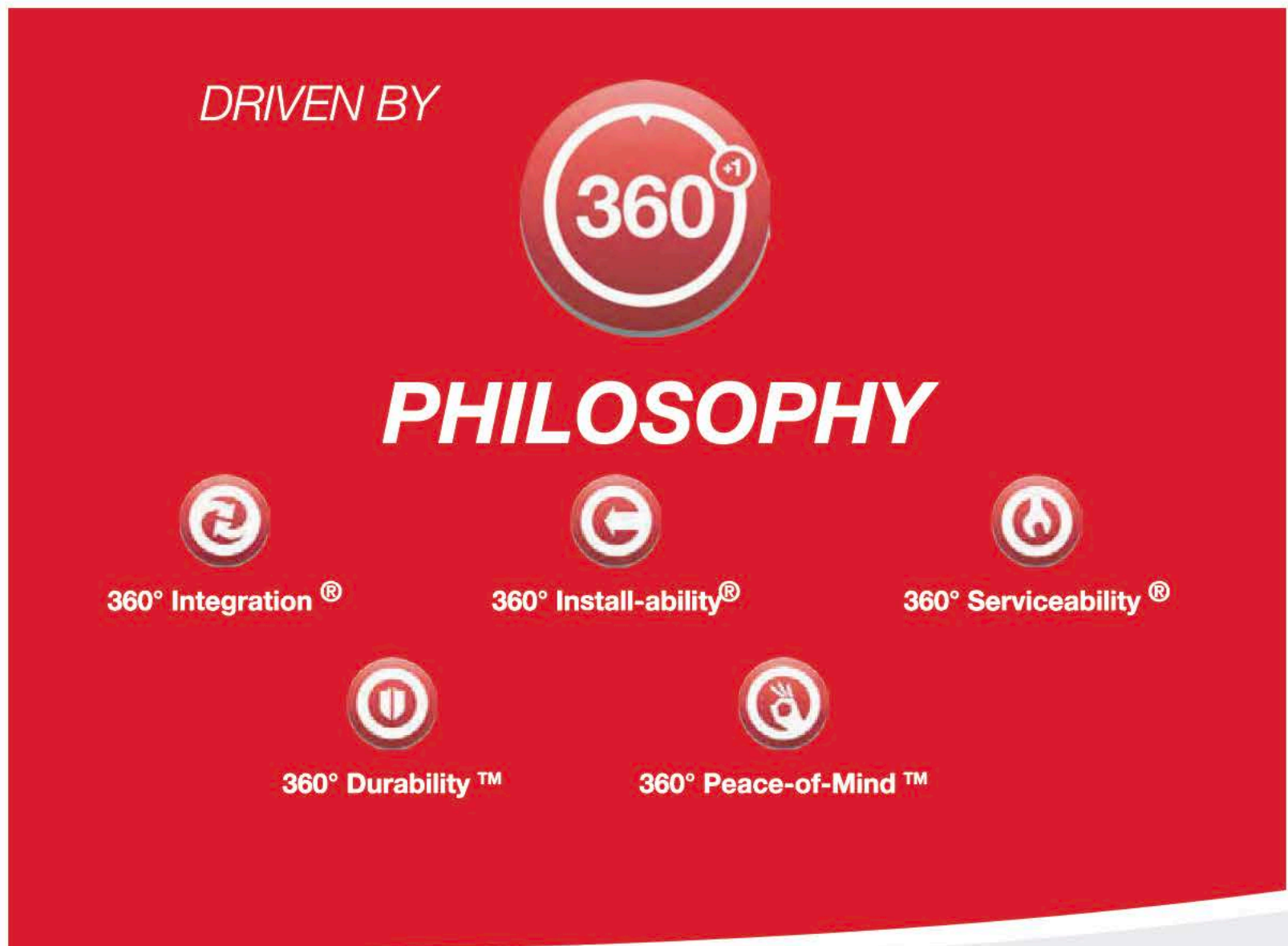


Our Philosophy of **Innovation**

We believe the best design delivers everything our customers need and want. The Rheem® 360°+1 design philosophy embodies this commitment to examine every aspect of every product (and program) we develop from every angle, so we can provide the ultimate performance, installability, serviceability, durability, integration, peace of mind and partnership for consumers and industry professionals alike. The Rheem® 360°+1 design philosophy applies to everything we do—from the way we build our products, to the way we continue to build our reputation.

360°+1 Pillars

The Rheem® 360°+1 design philosophy is built around pillars that guide us in innovating even better solutions for our customers. These pillars bring our 360°+1 design philosophy to life, helping us further explain the benefits we deliver.





The new degree of comfort.®



PRESENTING RHEEM'S LATEST

S^oLAR POWERED

WATER HEATING SYSTEM



POWER SAVINGS
WITH EVERY USE

SUPERIOR THERMAL
PERFORMANCE

ENJOY **HOT WATER**
ALL ALONG

LONG LASTING EVEN
IN HARSH WEATHER

PROTECTION FROM
HIGH-SALINITY

STURDY
INSTALLATION

**SOLAR WATER
HEATERS**



System Nomenclature

Nomenclature 50Hz

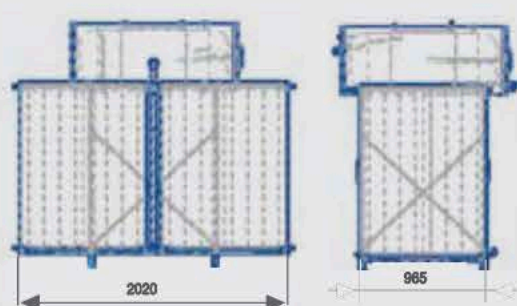
RX	S	150L	C1	A20	F21	T1 1	EHC
Brand	Offerings	Capacity in Liters	Collector Qty	Type Of Solar Collector	Support Base Angle	Tank Type:	EHC Type:
RH: RHEEM	S: Standard O: Optional	150L 200L 250L 300L	C1: One Collector C2: Two Collectors	A: Clear tempered, Mineral R 10/11 : GA 1.88m2 B: Mat Prismatic clear Mineral, R 10/11 : GA 1.88m2 C: Mat Prismatic clear double antireflective, R 13/16 : GA 1.88m2 D: Mat Prismatic clear double antireflective,, Rigid PU, R 13/16 : GA 2.0 m2 Tall, or Short E: Horizontal Clear tempered, Mineral R 16/17 : GA 1.88m2	F21: 21 degree F35: 25-35 degree F45: 45 degree	T1: Bottom Connections T2: Side Connections T3: Heat Pump Connection	150L-1.5KW 200L-2.0KW 250L-2.0KW 300L-2.0KW
						Tank Paint or Cover Material: 1: Prepainted Galvanized Steel 9006 2: Aluminum 3: Magnelis 4: SS304 5: Prepainted GS with RAL 9010	



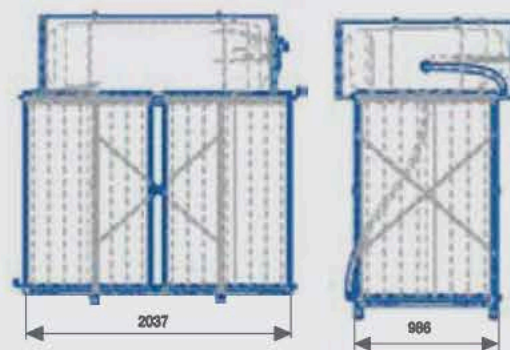
Technical Specifications: System

Collector A20 (Gross Area 1.88m ²)		Standard Configuration with Collector Type A20: Clear Tempered, Mineral R 10 Gross Area 1.88m ²							
S. No	Model Size	Cylinder Weight	"Cylinder Dimensions (LXWXD) mm"	Collector Qty	Collector Gross Area(m ²)	"Each Collector Weigh (kg)"	Test Pressure(bar)	Support Base Weight (kg)	Total Equipment Weight Empty (kg)
1	RXS150LC1-A20F35T11-150	58	1285x400	1	1.88	37	15	18.50	113.50
2	RXS200LC1-A20F35T11-200	68	1285x480	1	1.88	37	15	18.50	123.50
3	RXS200LC2-A20F35T11-200	68	1285x480	2	3.76	37	15	22.50	164.50
4	RXS250LC2-A20F35T11-200	82	1551x480	2	3.76	37	15	22.50	178.50
5	RXS300LC2-A20F35T11-200	100	1785x480	2	3.76	37	15	22.50	196.50

For Configuration : A , B & C

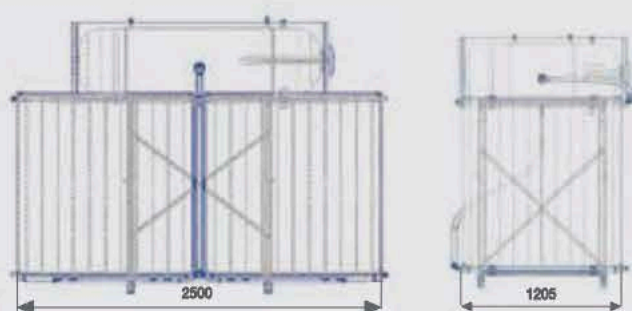


For Configuration :D

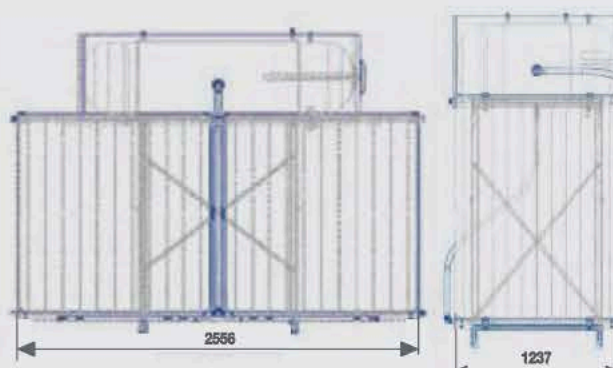


Collector A25 (Gross Area 2.37m ²)		Optional Configuration with Collector Type A25: Clear Tempered, Mineral R 11 : Gross Area 2.37m ²							
S. No	Model Size	Cylinder Weight	"Cylinder Dimensions (LXWXD) mm"	Collector Qty	Collector Gross Area(m ²)	"Each Collector Weigh (kg)"	Test Pressure(bar)	Support Base Weight (kg)	Total Equipment Weight Empty (kg)
1	RXO150LC1-A25F35T11-150	58	1285x400	1	2.37	41	15	18.50	117.50
2	RXO200LC1-A25F35T11-200	68	1285x480	1	2.37	41	15	18.50	127.50
3	RXO250LC1-A25F35T11-200	82	1551x480	1	2.37	41	15	18.50	141.50
4	RXO300LC1-A25F35T11-200	100	1785x480	1	2.37	41	15	18.50	159.50
5	RXO300LC2-A25F35T11-200	100	1785x480	2	4.74	41	15	22.50	204.50

For Configuration : A , B & C



For Configuration :D



Other Optional Collectors are as listed below,

Collector Type B: Mat Prismatic clear Mineral, R 10/11 : GA 1.88m²

Collector Type C: Mat Prismatic clear double antireflective, R 13/16 : GA 1.88m²

Collector Type D: Mat Prismatic clear double antireflective,, Rigid PU, R 13/16 : GA 2.0 m² Tall, or Short

Collector Type E: Horizontal Clear tempered, Mineral R 16/17 : GA 1.88m²

STORAGE TANKS

RHST11 Tank: Standard

TECHNICAL SPECIFICATIONS

	RHST11 model	150 lt	200 lt	250 lt	300 lt
	Gross Capacity (lt)	144	199	242	295
A	Tank's Length (mm)	1285	1285	1551	1785
B	External Diameter (mm)	Ø 500	Ø 580	Ø 580	Ø 580
C	Main Tank's Diameter (mm)	Ø 400	Ø 480	Ø 480	Ø 480
	Jacket's Capacity (lt)	8	9	12	19
D	Flange Diameter (mm)	Ø 140	Ø 140	Ø 140	Ø 140
	Weight (kg)	58	68	82	100

Main Tank's Material: DC Sheet (EN 10130/2006)

Internal Anti-corrosion Protection: a) LIQUID enamel (DIN 4753-3), totally safe for public health (DIN 51032 & EN 1388-2) and b) magnesium anode (EN 12438)

Welding: MIG

Insulation: Hard polyurethane foam 48kg/m3 (DIN 53420), self-extinguishing (DIN 4102)

Maximum Working Pressure for the Main Tank :10 bar

Test pressure for the Main Tank: 15 bar (EN 12976-1, 4.1.6)

Maximum Working Pressure for the Jacket (exchanger):3,2 bar

Test Pressure for the Jacket (Exchanger):5 bar (EN 12976-1/2006, 4.1.6)

Maximum Working Temperature of the Main Tank: 95°C

Heating Element: Optional, upon request

External Cover: Pre-painted galvanized steel sheet 0,5mm (EN 10204 / 2.2)



STANDARD



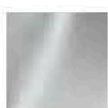
RAL 9006

OPTIONAL



RAL 9010

OPTIONAL EXTERNAL MATERIAL



Magnelis



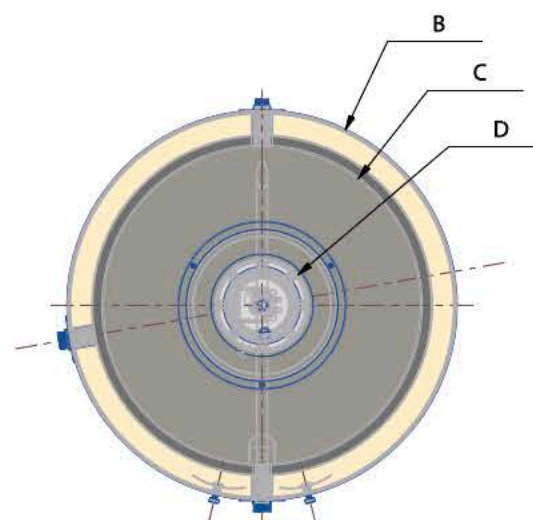
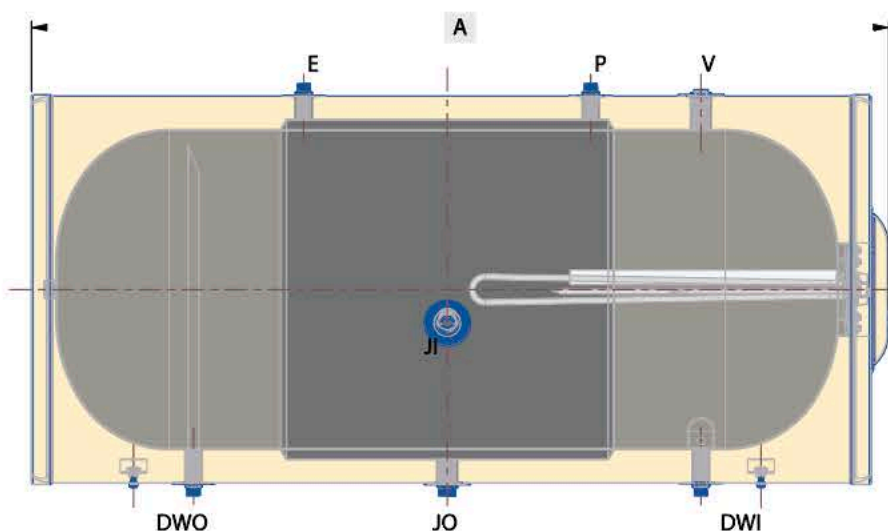
Aluminum



Stainless Steel
(SS304 , SS430)



"For optional colors, please check with your sales representative for more details"



E	Pressure valve position protecting closed circuit
P	Inlet to fill exchanger's solution and (optional) expansion vessel position
V	Pressure and temperature valve position protecting main tank
DWO	Domestic hot Water Outlet
DWI	Domestic cold Water Inlet
JO	Closed circuit cold water outlet
Jl	Closed circuit hot water inlet

Standard Element KW are:

**For 150L to 200L: 2KW ,
For 250L to 300L: 3.5KW ,**

**For other optional KW within the
available range of
1.5 to 3.5 KW**

**Please check with your sales
representatives for more details.**



RHOT21 Tank: Optional

(SIDE CONNECTION FOR CLOSED CIRCUIT , DOMESTIC HOT-COLD WATER INLET & OUTLET)

STANDARD



RAL 9006



OPTIONAL



RAL 9010

OPTIONAL EXTERNAL MATERIAL



Magnelis



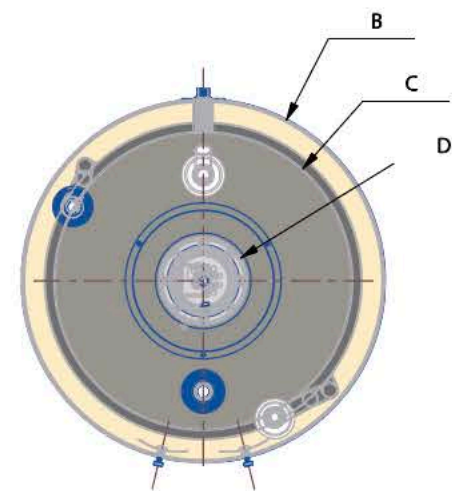
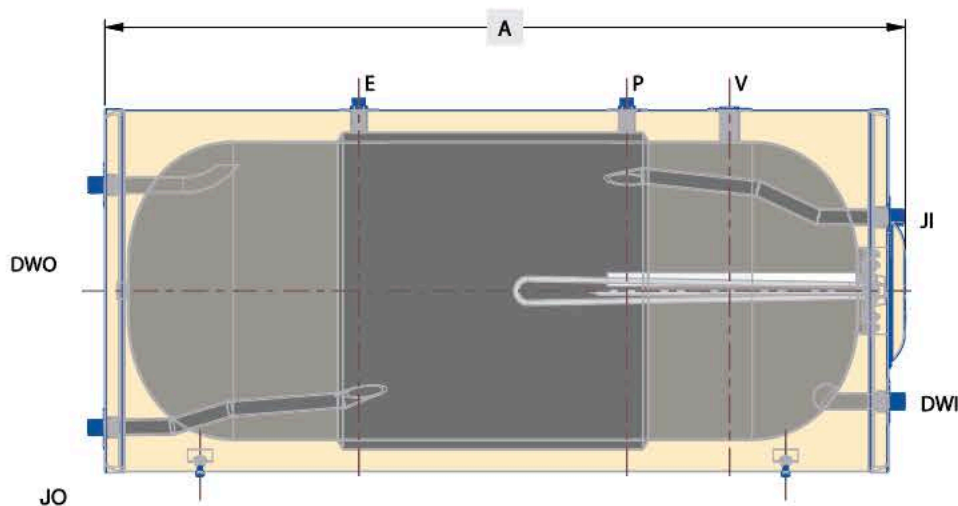
Aluminum



Stainless Steel
(SS304 , SS430)



"For optional colors, please check with your sales representative for more details"



E	Pressure valve position protecting closed circuit
P	Inlet to fill exchanger's solution and (optional) expansion vessel position
V	Pressure and temperature valve position protecting main tank
DWO	Domestic hot Water Outlet
DWI	Domestic cold Water Inlet
JO	Closed circuit cold water outlet
JI	Closed circuit hot water inlet

Standard Element KW are:

For 150L to 200L: 2KW ,
For 250L to 300L: 3.5KW ,

For other optional KW within the available range of 1.5 to 3.5 KW

Please check with your sales representatives for more details.

RHOT31 Tank: Optional

(DESIGNED FOR HEAT PUMPS)

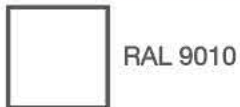
STANDARD



RAL 9006

AVAILABLE
IN DIFFERENT
COLOURS
(PRE-PAINTED
GALVANIZED
STEEL SHEET)

OPTIONAL



RAL 9010

OPTIONAL EXTERNAL MATERIAL



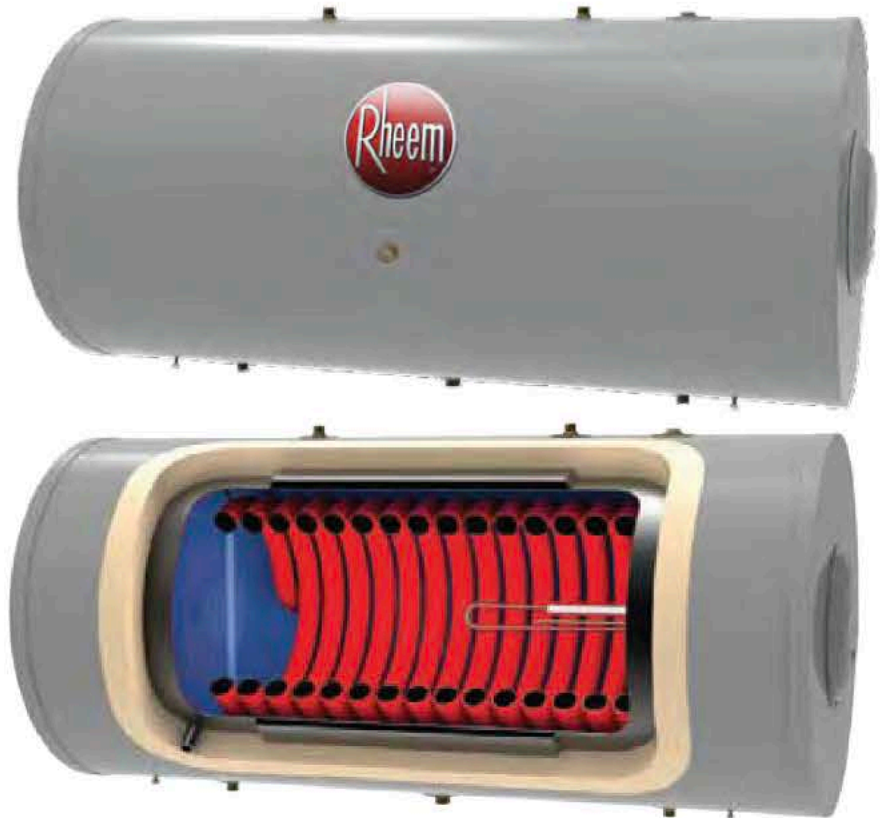
Magnelis



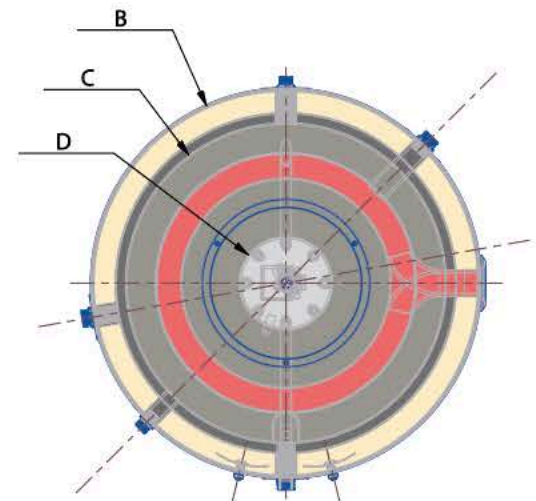
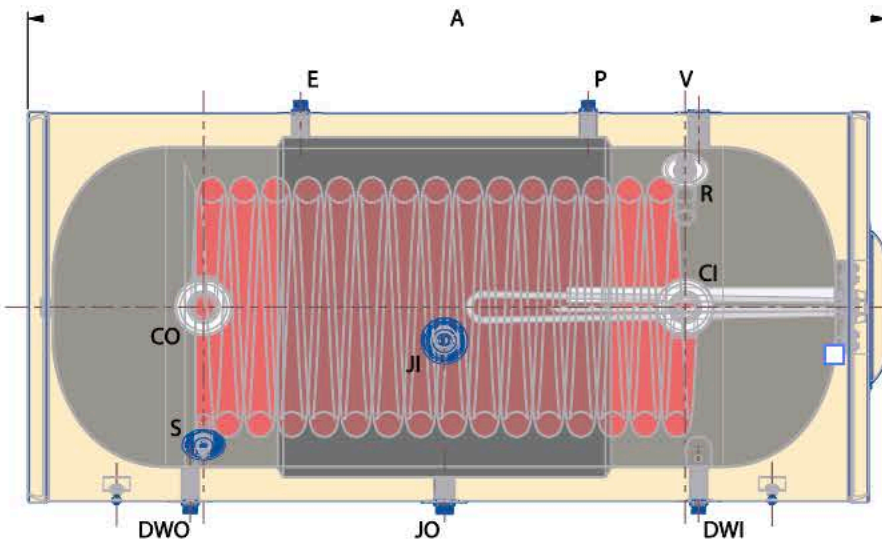
Aluminum



Stainless Steel
(SS304 , SS430)



"For optional colors, please check with your sales representative for more details"



E	Pressure valve position protecting closed circuit
P	Inlet to fill exchanger's solution and (optional) expansion vessel position
V	Pressure and temperature valve position protecting main tank
DWO	Domestic hot Water Outlet
DWI	Domestic cold Water Inlet
JO	Closed circuit cold water outlet
JI	Closed circuit hot water inlet

Standard Element KW are:

For 150L to 200L: 2KW ,
For 250L to 300L: 3.5KW ,

**For other optional KW within the
available range of
1.5 to 3.5 KW**

**Please check with your sales
representatives for more details.**



SOLAR THERMAL COLLECTORS

RHA Collector: Standard

TECHNICAL SPECIFICATIONS

TECHNICAL DATA	MEASUREMENT UNIT(SI)	COLLECTOR'S CHARACTERISTICS RHA20 - FULL FACE		
TYPE		RHA15	RHA20	RHA25
Extrenal dimensions (height x width x thickness)	mm	1460x960x80	1960x960x80	1960x1260x80
Gross area	m ²	1,40	1,88	2,37
Aperture area	m ²	1,32	1,79	2,27
Absorber area	m ²	1,35	1,83	2,33
Absorber capacity	L	1,45	1,63	1,81
Compact Tray / thickness	mm	Pre-painted galvanized metal sheet / 0,5		
Glass		Clear tempered		
Insulation (Back and side) thickness / density	mm / Kg/m ³	Mineral glass wool 30mm / density 24 kg/m ³ . Product specifically designed for collectors, with very low conductivity to avoid losses. It is certified that it prevents glass fogging of the collector.		
Absorber		Copper harp-type, Full Face Aluminum Selective Surface. Laser welding.		
Absorbtion	%	95		
Emission	%	5		
Header copper tube Ø / thickness	mm	Ø 22 / 0,70		
Riserer copper tube Ø / thickness	mm	Ø 8 / 0,40		
Number of vertical risers	No.	10	10	11
Maximum operating pressure	Bar	10		
Heat transfer mean		Antifreeze and water solution (monopropylene glycol)		
Layout		Vertical		
Weight (empty & packed)	Kg	30	37	41

AVAILABLE
IN DIFFERENT
COLOURS
(PRE-PAINTED
GALVANIZED
STEEL SHEET)

STANDARD

RAL 9006

OPTIONAL EXTERNAL MATERIAL

Magnelis

Aluminum

RHA15

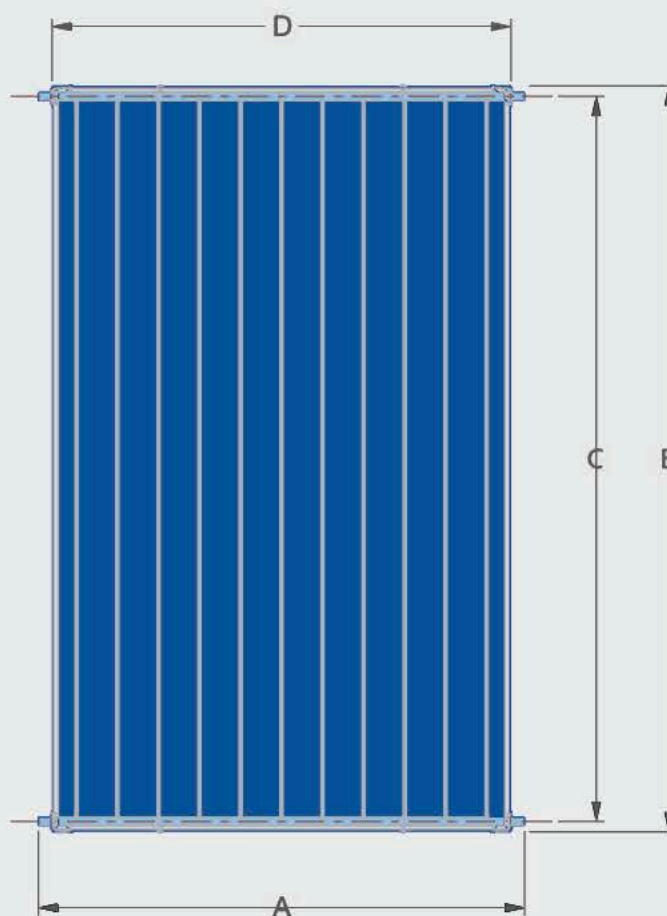
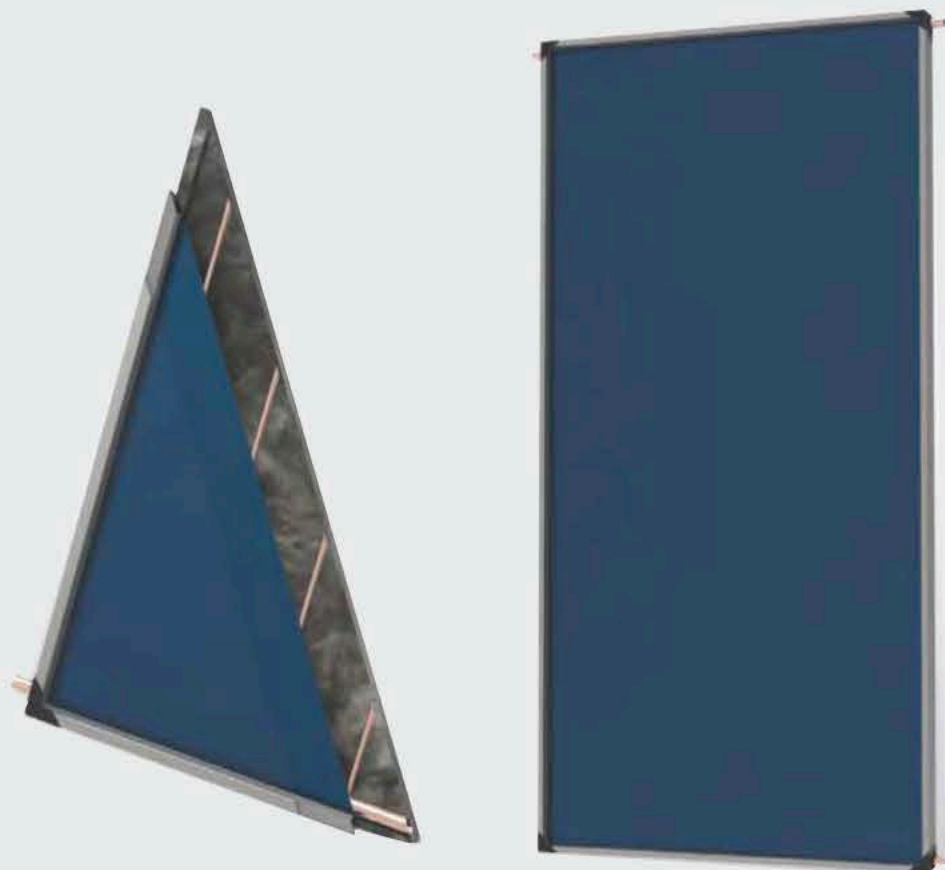
A	1030 mm
B	1460 mm
C	1405 mm
D	960 mm

RHA20

A	1030 mm
B	1960 mm
C	1910 mm
D	960 mm

RHA25

A	1280 mm
B	1960 mm
C	1910 mm
D	1210 mm



RHE Horizontal Collector: Optional

(with frame)

TECHNICAL SPECIFICATIONS

TECHNICAL DATA	MEASUREMENT UNIT(SI)	COLLECTOR'S CHARACTERISTICS RHE20 - FULL FACE	
TYPE		RHE20	RHE25
Extrenal dimensions (height × width × thickness)	mm	960×1965×80	1210×1965×80
Gross area	m ²	1,88	2,38
Aperture area	m ²	1,79	2,28
Absorber area	m ²	1,85	2,34
Absorber capacity	L	1,94	2,15
Frame / thickness	mm	Pre-painted galvanized metal sheet / 0,5	
Glass		Clear tempered	
Insulation (Back and side) thickness / density	mm / Kg/m ³	Mineral glass wool thickness 30mm / density 50 kg/m ³ . Product specifically designed for collectors, with very low conductivity to avoid losses. Its properties remain unchanged over time. Parasites are prevented.	
Absorber		Copper harp-type, Full Face Aluminum Selective Surface. Laser welding.	
Absorbtion	%	95	
Emission	%	5	
Header copper tube Ø / thickness	mm	Ø 22 / 0,70	
Riserer copper tube Ø / thickness	mm	Ø 8 / 0,40	
Number of vertical risers	No.	16	17
Maximum operating pressure	Bar	10	
Heat transfer mean		Antifreeze and water solution (monopropylene glycol)	
Layout		Horizontal	
Weight (empty & packed)	Kg	34	42



AVAILABLE
IN DIFFERENT
COLOURS
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GALVANIZED
STEEL SHEET)

STANDARD



RAL 9006

OPTIONAL EXTERNAL MATERIAL



Magnelis



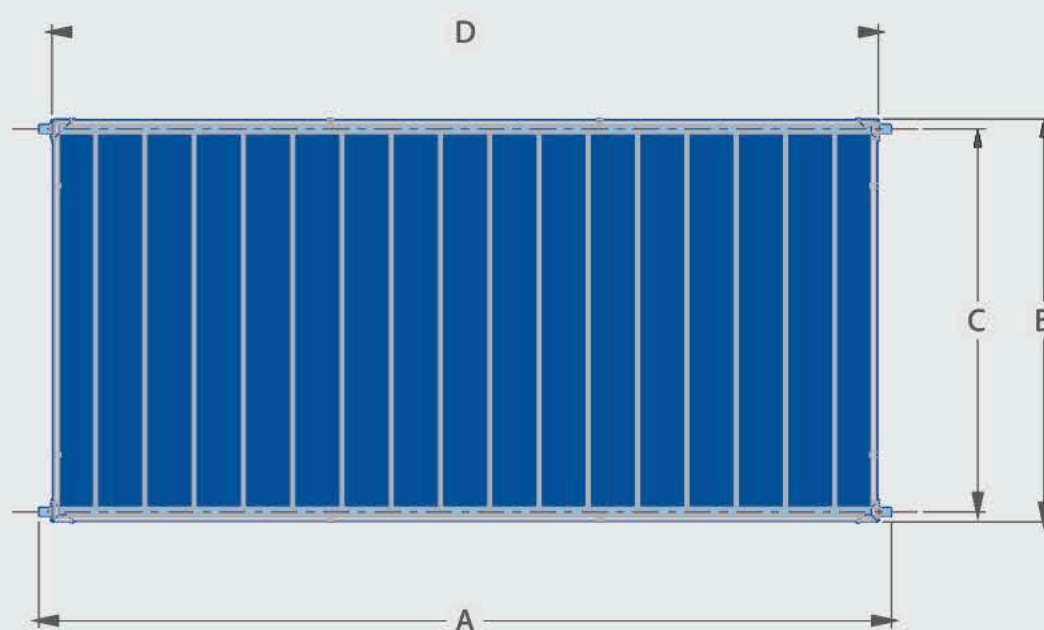
Aluminum

RHE20

A	2028 mm
B	960 mm
C	911 mm
D	1965 mm

RHE25

A	2028 mm
B	1210 mm
C	1161 mm
D	1965 mm



RHB Vertical Collector: Optional

(with frame)

TECHNICAL SPECIFICATIONS

TECHNICAL DATA		MEASUREMENT UNIT(SI)	COLLECTOR'S CHARACTERISTICS RHB20 - FULL FACE	
TYPE			RHB20	RHB25
Extrenal dimensions (height × width × thickness)	mm		1970×965×80	1970×1220×80
Gross area	m ²		1,90	2,40
Aperture area	m ²		1,79	2,27
Absorber area	m ²		1,83	2,33
Absorber capacity	L		1,63	1,81
Compact Tray / thickness	mm		Pre-painted galvanized metal sheet / 0,5	
Glass			Mat prismatic, extra clear, tempered	
Insulation (Back and side) thickness / density	mm / Kg/m ³		Mineral glass wool 30mm / density 24 kg/m ³ . Product specifically designed for collectors, with very low conductivity to avoid losses. It is certified that it prevents glass fogging of the collector.	
Absorber			Copper harp-type, Full Face Aluminum Selective Surface. Laser welding.	
Absorbtion	%		95	
Emission	%		5	
Header copper tube Ø / thickness	mm		Ø 22 / 0,70	
Riserer copper tube Ø / thickness	mm		Ø 8 / 0,40	
Number of vertical risers	No.		10	11
Maximum operating pressure	Bar		10	
Heat transfer mean			Antifreeze and water solution (monopropylene glycol)	
Layout			Vertical	
Weight (empty & packed)	Kg		33	41



AVAILABLE
IN DIFFERENT
COLOURS
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STEEL SHEET)

STANDARD



RAL 9006

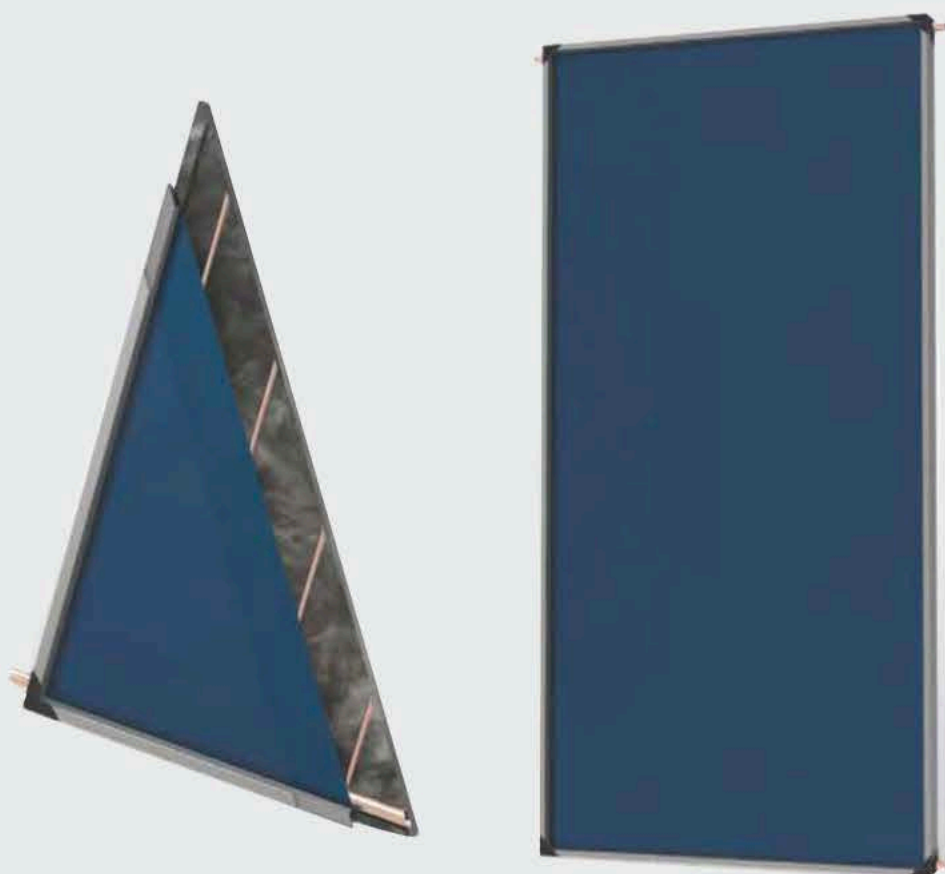
OPTIONAL EXTERNAL MATERIAL



Magnelis



Aluminum

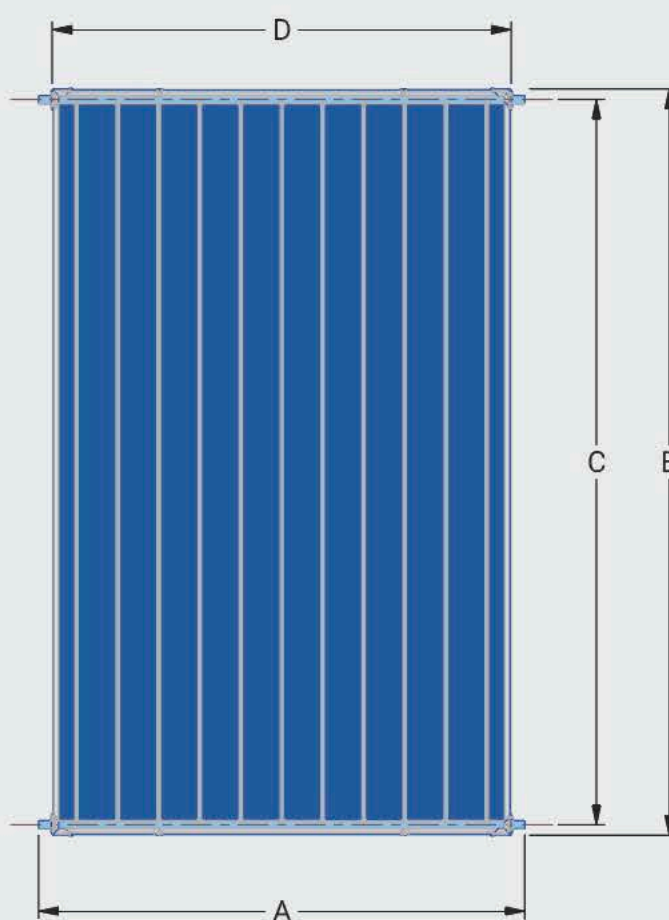


RHB20

A	1030 mm
B	1960 mm
C	1910 mm
D	960 mm

RHB25

A	1280 mm
B	1960 mm
C	1910 mm
D	1210 mm



RHC Collector: Optional

TECHNICAL SPECIFICATIONS

TECHNICAL DATA		MEASUREMENT UNIT(SI)	COLLECTOR'S CHARACTERISTICS RHC20 - FULL FACE	
TYPE			RHC20	RHC25
Extrenal dimensions (height × width × thickness)	mm		1960×960×80	1960×1210×80
Gross area	m ²		1,88	2,38
Aperture area	m ²		1,79	2,28
Absorber area	m ²		1,85	2,34
Absorber capacity	L		1,64	2,09
Compact / thickness	mm		Pre-painted galvanized metal sheet / 0,5	
Glass			Mat prismatic, extra clear, double antireflective, tempered.	
Insulation (Back and side) thickness / density	mm / Kg/m ³		Mineral glass wool 30mm / density 24 kg/m ³ . Product specifically designed for collectors, with very low conductivity to avoid losses. It is certified that it prevents glass fogging of the collector.	
Absorber			Copper harp-type, Full Face Aluminum Selective Surface. Laser welding.	
Absorbtion	%		96	
Emission	%		4	
Header copper tube Ø / thickness	mm		Ø 22 / 0,70	
Riserer copper tube Ø / thickness	mm		Ø 8 / 0,4	
Number of vertical risers	No.		13	16
Maximum operating pressure	Bar		10	
Heat transfer mean			Antifreeze and water solution (monopropylene glycol)	
Layout			Vertical	



AVAILABLE
IN DIFFERENT
COLOURS
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GALVANIZED
STEEL SHEET)

STANDARD

RAL 9006

OPTIONAL EXTERNAL MATERIAL

Magnelis

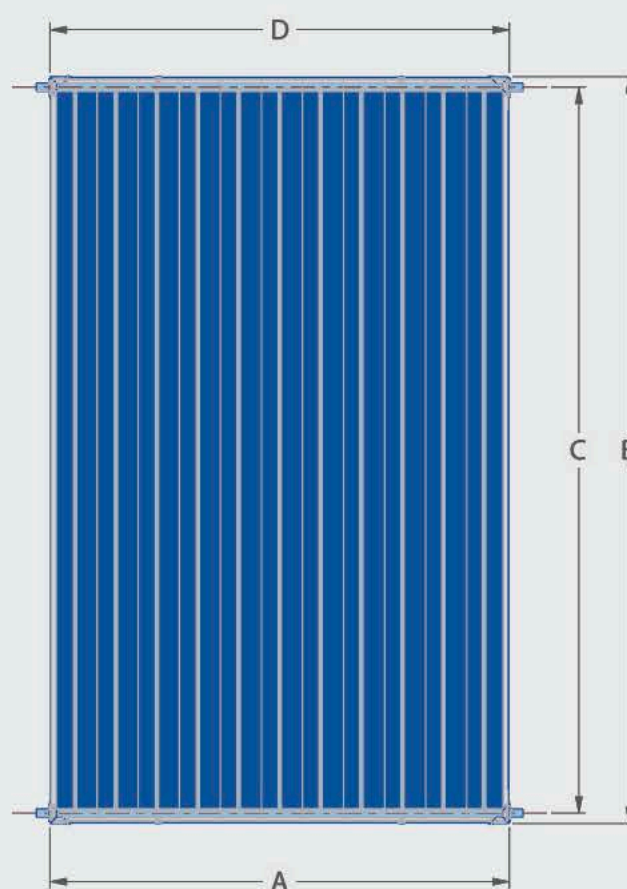
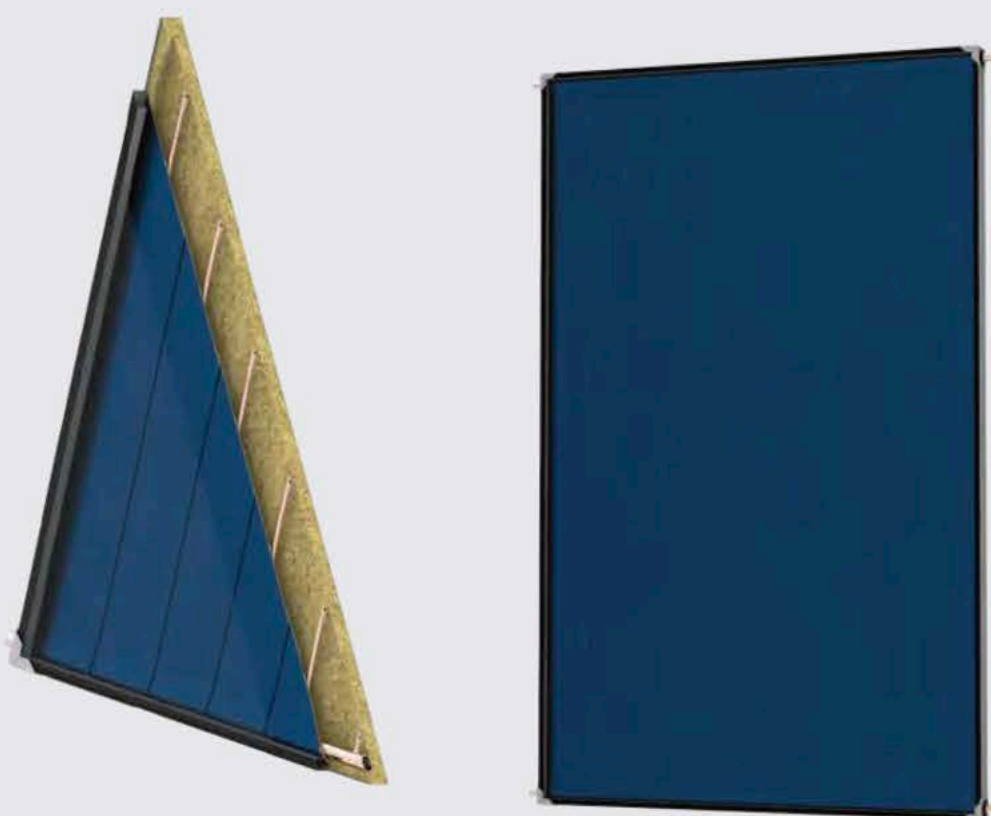
Aluminum

RHC20

A	1030 mm
B	1960 mm
C	1910 mm
D	960 mm

RHC25

A	1280 mm
B	1960 mm
C	1910 mm
D	1210 mm



RHD Collector: Optional

TECHNICAL SPECIFICATIONS

TECHNICAL DATA	MEASUREMENT UNIT(SI)	COLLECTOR'S CHARACTERISTICS RHD20 - FULL FACE		
TYPE		RHD20(T)	RHD20(S)	RHD25
Extrenal dimensions (height x width x thickness)	mm	2020x990x103	1594x1254x103	2020x1254x103
Gross area	m ²	2	2	2,53
Aperture area	m ²	1,85	1,85	2,38
Absorber area	m ²	1,83	1,83	2,35
Absorber capacity	L	1,48	1,67	1,89
Frame / thickness	mm	Pre- painted aluminum (frame) / 1 Pre- painted steel sheet (back) / 0,5		
Glass		Mat prismatic, extra clear, double antireflective, tempered.		
Insulation (Back and side) thickness / density	mm / Kg/m ³	Rigid polyurethane thickness 25mm / density 40kg/m ³ & rockwool thickness 30mm / density 50kg/m ³ . A material specifically designed for collectors, with very low contactivity preventing energy loss. Its properties remain unchanged throughout its life cycle. Prevents parasites growth.		
Absorber		Placed on the sides and the back of polyurethane insulation to reflect heat on the absorber.		
Absorbtion	%	95		
Emission	%	5		
Header copper tube Ø / thickness	mm	Ø 22 / 0,70		
Riserer copper tube Ø / thickness	mm	Ø 8 / 0,40		
Number of vertical risers	No.	10	13	13
Maximum operating pressure	Bar	10		
Heat transfer mean		Antifreeze and water solution (monopropylene glycol)		
Layout		Vertical		
Weight (empty & packed)	Kg	38	38	43



AVAILABLE
IN DIFFERENT
COLOURS
(PRE-PAINTED
GALVANIZED
STEEL SHEET)

STANDARD

RAL 9006

OPTIONAL EXTERNAL MATERIAL

Magnelis

Aluminum

RHD20(T)

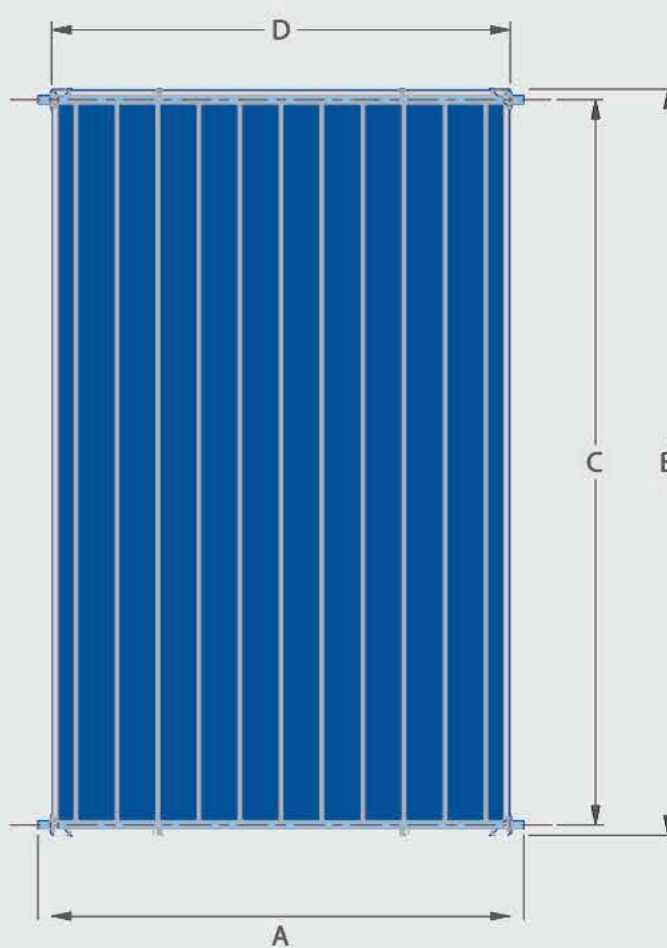
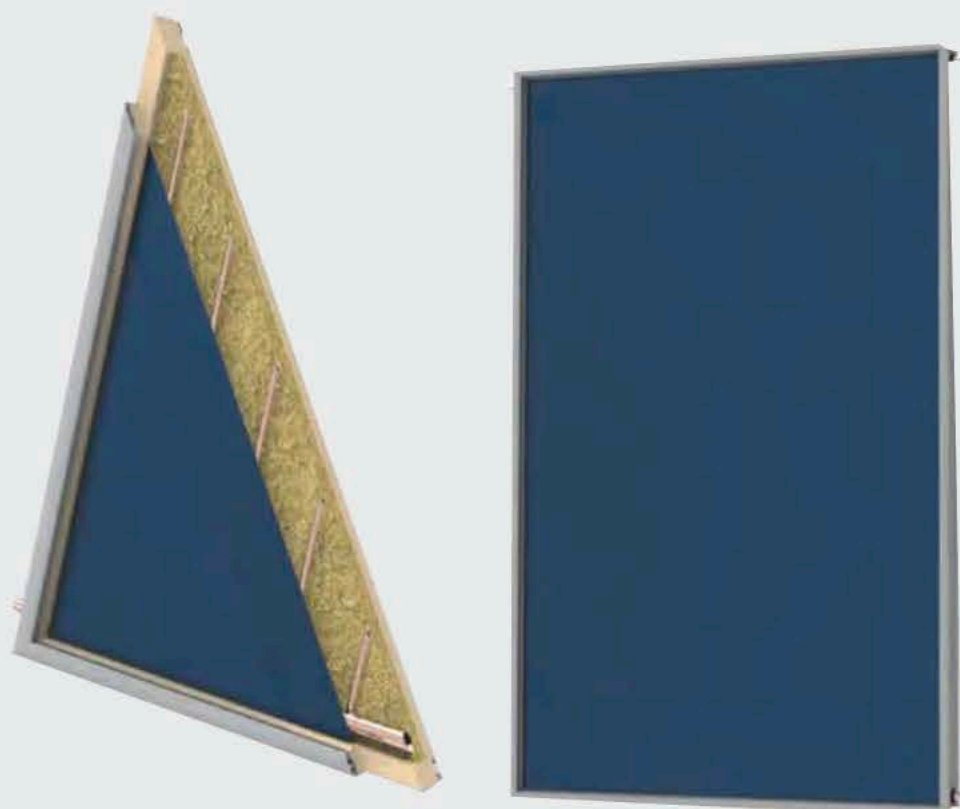
A	1046 mm
B	2020 mm
C	1923 mm
D	990 mm

RHD20(S)

A	1310 mm
B	1594 mm
C	1497 mm
D	1254 mm

RHD25

A	1310 mm
B	2020 mm
C	1923 mm
D	1254 mm



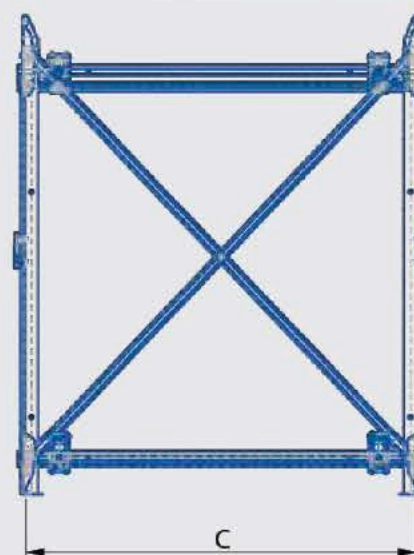
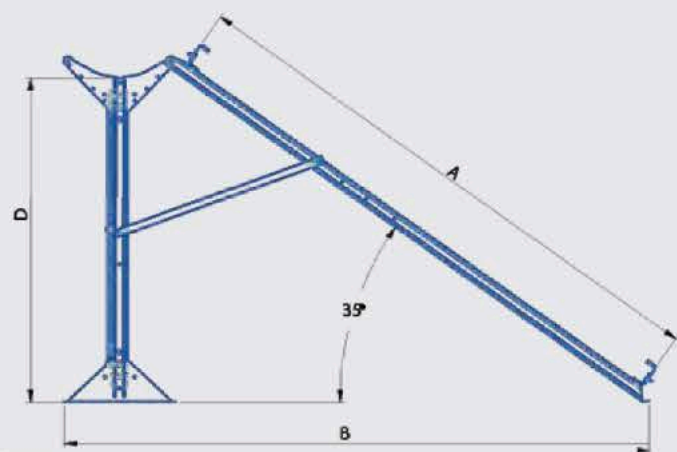
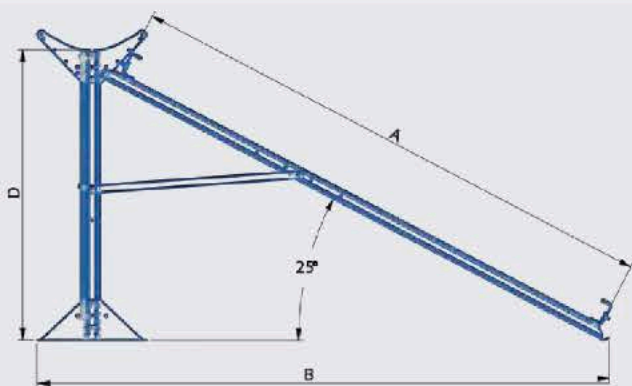
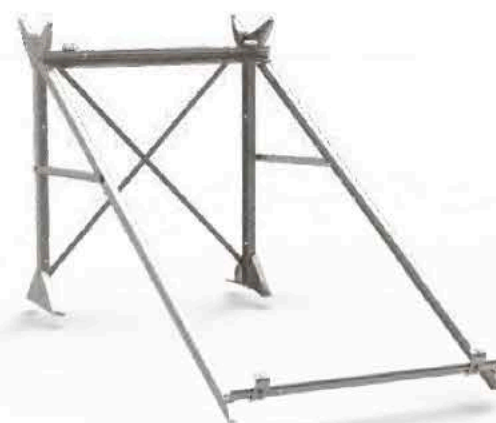
SUPPORT BASES

RHSF35 Base: Standard (25°-35°)

DIMENSIONS (MM)	
A	1885 to 2020
B	2120 (35) to 2135 (25)
C	940
D	1082 (35) to 1175 (25)
Kg (one collector)	18,5
Kg (two collectors)	22,5

m² collector	Collectors Quantity	
2 m ²	1	2
2,5 m ²	1	2

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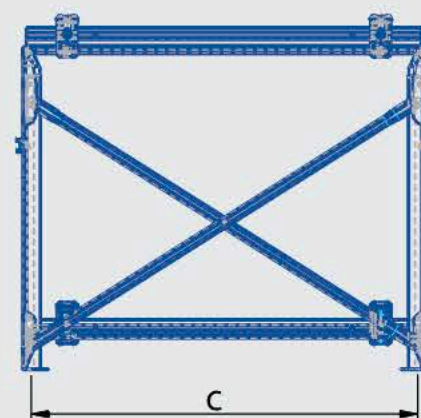
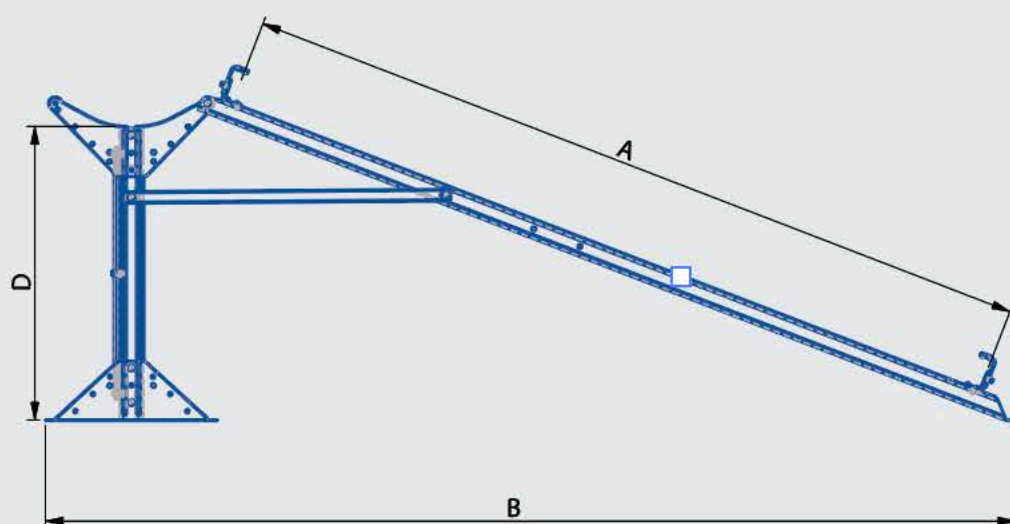
RHOF21 Base: Optional (21°)

DIMENSIONS (MM)	
A	1875 to 2005
B	2383
C	940
D	720
Kg (one collector)	17,44
Kg (two collectors)	21,98



collector	Collectors Quantity	
2 m	1	2
2,5 m ²	1	2

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RHOF45 Base: Optional (45°)

DIMENSIONS (MM)

A	1405 to 1545	1880 to 2020
B	1561	1895
C	780 / 940	780 / 940
D	1125	1470
Kg (one collector)	18,2	21,62
Kg (two collectors)	21,14	24,88

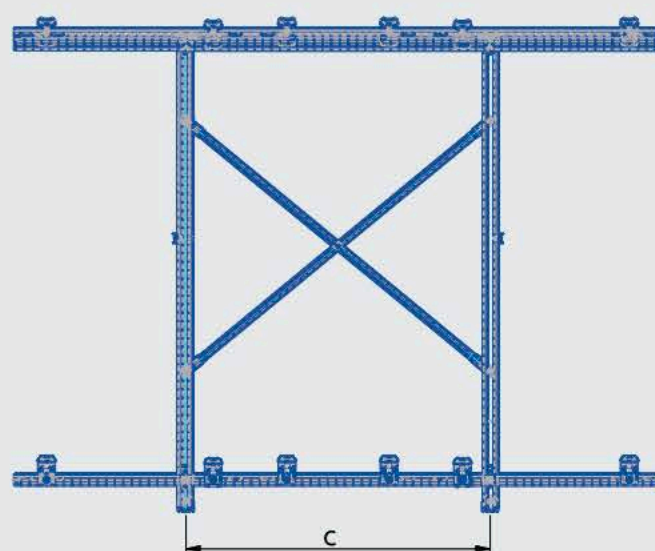
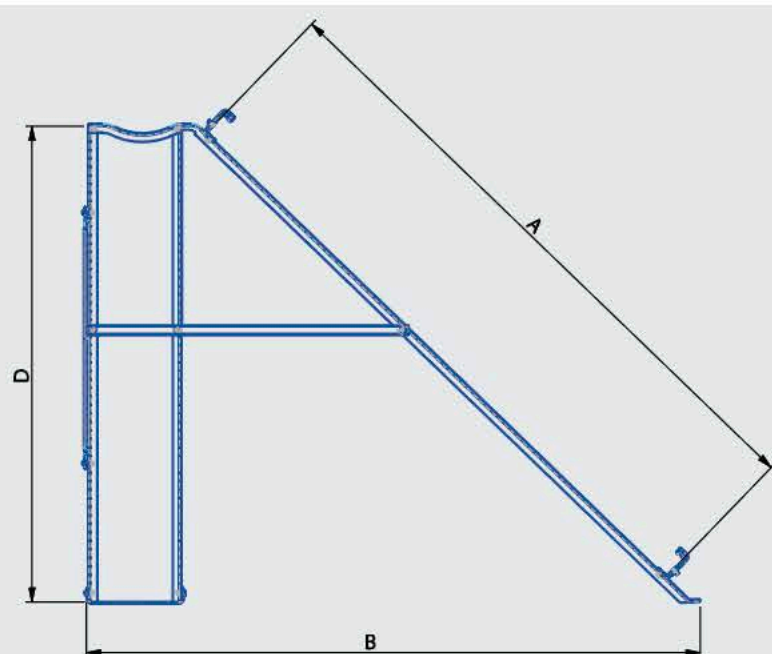
m² collector

Collectors Quantity

1,5 / 2 m ²	1	2
2,5 m ²	1	2



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*Control
and development
of products*





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