AUTOCERTIFICAZIONE DEL COSTRUTTORE

(ai sensi del D.M. 07 agosto 2025 e del D.P.R. n. 445/2000)

La sottoscritta società PLEION s.p.a., dichiara che gli apparecchi della tipologia INTERVENTO III.D – art.8, comma 1, lettera d, elencati nell'allegato A e immessi sul mercato dalla stessa, soddisfano:

- **i requisiti tecnici,** richiesti nel **DM 07 agosto 2025, misurati secondo le metodologie previste dalla specifica normativa tecnica di riferimento:**

III.D) Solare termico

- Impianti prefabbricati Factory Made, normativa di riferimento: UNI EN 12976

Rappresentante legale: Adalberto Scarrone

Pleion S.p.A. - Società con unico Socio
Via Venezia, 11 - 37053 CEREA (VR)
Tel. 0442 320295 E-mail: info@pleion.it
pleion@pec.pleion.it
Capitale sociale € 500.000 i.v.
C.F., P.I. e R.I. di VR 03820120230
R.E.A. 368332

AUTOCERTIFICAZIONE DEL COSTRUTTORE

(ai sensi del D.M. 07 agosto 2025 e del D.P.R. n. 445/2000)

ALLEGATO A

ELENCO APPARECCHI CONFORMI AL CONTO TERMICO
(con relativi dati tecnici)

PRODOTTO	SOLAR KEYMARK	QL [MJ/anno]	AG [m^2]	Aa [m^2]	PRODUCIBILITA' SPECIFICA [kWht/m^2 anno]	ANNI GARANZIA
EGO 110	17021 Rev.1	2365	1,52	1,09	603	5
EGO 150	17021 Rev.1	3168	1,93	1,48	595	5
EGO 180	17021 Rev.1	3926	2,35	1,86	586	5
EGO 220	17021 Rev.1	4727	2,77	2,25	584	5
EGO 260	17021 Rev.1	5693	3,18	2,64	599	5
EGO PRIME 110	15558 Rev.2	2365	1,28	1,09	603	5
EGO PRIME 150	15559 Rev.2	3168	1,68	1,48	595	5
EGO PRIME 180	15560 Rev.2	3926	2,08	1,86	586	5
EGO PRIME 220	15561 Rev.2	4727	2,48	2,25	584	5
EGO PRIME 260	15562 Rev.2	5639	2,88	2,64	593	5
FREE S 150.1.20	011-7S3285 A	4120	2,02	1,83	625	5
FREE S 200.1.20	011-7S3285 A	5023	2,02	1,83	762	5
FREE S 300.2.25	011-7S3285 A	9435	5,04	4,64	565	5

Rappresentante legale: Adalberto Scarrone

Pleion S.p.A. - Società con unico Socio
Via Venezia, 11 - 37053 CEREA (VR)
Tel. 0442 320295 E-mail: info@pleion.it
pleion@pec.pleion.it
Capitale sociale € 500.000 i.v.
C.F., P.I. e R.I. di VR 03820120230
R.E.A. 368332

CERTIFICATE

Certificate number	15558 Rev.2	Replaces	15558 Rev.1
Issued	04/04/2023	First edition	04/04/2018
Report number	PKC0001762	Expiry date	15/12/2026
Page	1 of 1	Contract number	PKC0003652

Product Certificate Solar Thermal Products

License holder: **Pleion S.p.A.**
Via Venezia 11 – 37053 Cerea (VR), Italy

Production site(s): Pleion S.p.A.
Via Venezia 11 – 37053 Cerea (VR), Italy

Product Solar thermal system

Model(s): EGO Prime 110; EGO Prime 150; EGO Prime 180; EGO Prime 220; EGO Prime 260

Kiwa Cermet Italia hereby declares that the product can be considered complying to the testing requirements and is entitled to use the Solar Keymark Label, based upon the following aspects:

Laboratory testing of the solar thermal products, which are performed by an accredited laboratory in accordance to EN ISO/IEC 17025:2005 -see annex-, using the following standards:

- EN 12976-2:2006; EN 12976-2:2017 (mechanical load test)
  Thermal solar systems and components - Factory made systems - Part 2: Test methods

Specific CEN Keymark Scheme Rules for Solar Thermal Products SKN_N0444R6.

Periodic Inspection of the Factory site(s) performed by Kiwa Cermet Italia.
A description of the test results is given in the annex to this certificate.

This certificate is issued in accordance with the Kiwa Cermet Italia regulations.
Publication of the certificate is allowed.
The validity of this certificate is subject to the positive result of periodic surveillance visits.
The validity of this certificate can be verified on request at the following e-mail address: energy@kiwacermet.it.
Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

President
Giampiero Belcredi

Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl
Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)
Tel +39.051.459.3.111
Fax +39.051.763.382
E-mail: info@kiwacermet.it
www.kiwa.it

034

PRD N° 069B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

Summary of	EN12976-2	SOLAR SYSTEM test results	Licence Number	15558 Rev.2
Annex to Solar KEYMARK Certificate			Issued	2023-04-04

Company	Pleion S.p.A.		Country	Italy	
Brand (optional)			Website	www.pleion.it	
Street	Via Venezia 11		E-mail	info@pleion.it	
Postal Code	37053	Cerea (VR)	Tel. / Fax	+39	0442320295

System classification	
Application(s)	Hot water
Solar loop, circulation principle	Thermosyphon
Direct solar loop / heat exchanger	Direct
Open, vented or closed solar loop	Closed
Drain back/down	Always filled (no drain)
Store location	Int. collector-store
Store orientation (of main axis)	Horizontal
Type of auxiliary heating (internal back-up heat)	None
If other auxiliary/internal back-up heating, please specifiy:	
Solar+supplementary OR Solar-only / Solar pre-heat	Solar only / Solar preheat

Collector(s)			
Company	Pleion S.p.A.		
Keymark lic.no. if available			
Collector name	Per module: Gross Area (AG)	Per module: Gross length	Per module: Gross width
	m²	mm	mm
EGO Prime 110	1.28	2055	620
EGO Prime 150	1.68	2055	815
EGO Prime 180	2.08	2055	1010
EGO Prime 220	2.48	2055	1205
EGO Prime 260	2.88	2055	1400

Heat store(s)						
Company	Pleion S.p.A.					
Keymark lic.no. if available						
Store name	Total nominal volume	Gross height	Gross width	Gross depth	Auxiliary heated volume	Electrical aux. heating power
	litres	mm	mm	mm	litres	kW
EGO Prime 110	105	1870				
EGO Prime 150	140	1870				
EGO Prime 180	175	1870				
EGO Prime 220	210	1870				
EGO Prime 260	245	1870				

Solar loop controller				Solar loop fluid		
Keymark lic.no. if available				Recommended/required		
Company				Company		
Name				Name		
Solar loop pump - power range	W	to	W	Freezing point		°C

System family overview

Collector name	Number of collectors in each configuration for each store: Store name: EGO Prime 110	EGO Prime 150	EGO Prime 180	EGO Prime 220	EGO Prime 260
EGO Prime 110	1				
EGO Prime 150		1			
EGO Prime 180			1		
EGO Prime 220				1	
EGO Prime 260					1

Testing Laboratory	ENEA - Centro Ricerche Trisaia
Website	http://www.trisaia.enea.it
Test report id. number	RP.2016.SYS.191.1; RP.2018.SYS.201.1
Date of test report	2016-12-15; 2018-03-26

Comments of test lab

Additional test reports: RP.2016.SYS.191a.1 issued by ENEA - Centro Ricerche Trisaia on 21/12/2016.

Aperture area of collectors: EGO Prime 110: 1.09 m²; EGO Prime 150: 1.48 m²; EGO Prime 180: 1.86 m²; EGO Prime 220: 2.25 m²; EGO Prime 260: 2.64 m².

ENEA
TERIN-STSN
Dr. Vincenzo Sabatelli

Kiwa Cermet Italia S.p.A. • Via Cadriano, 23
• 40057 Granarolo dell'Emilia (BO) • Italy
Tel: +39 0514593111 • Fax: +39 051763382 • E-Mail: info@kiwacermet.it • www.kiwa.com

Summary of	EN12976-2	test results	Certification No.	15558 Rev.2
Annex to Solar KEYMARK Certificate			Issued	2023-04-04

Company	Pleion S.p.A.	Country	Italy
Brand (optional)		Website	www.pleion.it
Street	Via Venezia 11	E-mail	info@pleion.it
Postal Code	37053 Cerea (VR)	Tel. / Fax	+39 0442320295

System family overview

Collector name	For each storage and collector size, give number of collectors					
	EGO Prime 110	EGO Prime 150	EGO Prime 180	EGO Prime 220	EGO Prime 260	
EGO Prime 110	1					
EGO Prime 150		1				
EGO Prime 180			1			
EGO Prime 220				1		
EGO Prime 260					1	

Name of system configuration			EGO Prime 110
Collector name	EGO Prime 110	No. Collectors	1
		Storage name	EGO Prime 110

Calculated annual results for "solar-only / preheat system"

Location	Qd,sh	Daily drawoff 80 l				Daily drawoff 110 l				Daily drawoff 140 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE		4461	1829		0.41	6134	2104		0.34	7808	2186		0.28
WürzburgDE		4278	2013		0.47	5882	2365		0.40	7487	2459		0.33
Davos CH		4840	2663		0.55	6655	3011		0.45	8471	3121		0.37
Athens GR		3325	2466		0.74	4571	3043		0.67	5818	3362		0.58
Optional OP													

Perf. indicators for the table above

Qd,sh	MJ/y	**Not relevant for solar domestic hot water system**
Qd	MJ/y	**Annual heat demand for domestic hot water**
QL	MJ/y	**Annual heat energy delivered by the solar system**
Qpar	MJ/y	**Annual parasitic energy: (electricity for pumps/controllers)**
$f_{sol}=Q_L/Q_d$	-	**Solar fraction**

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR	Optional OP		
	G	1,157	1,230	1,684	1,736			
	Ta,ave	7.5	9.0	3.2	18.5			
	Tc,ave	8.5	10.0	5.4	17.8			
	± ΔTc	6.4	3.0	0.8	7.4			

G	kWh/m²	**Annual irradiation South, 45°**
Ta,ave	°C	**Annual average outdoor air temperature**
Tc,ave	°C	**Annual average mains cold water temp.**
ΔTc	K	**Seasonal variation of Tc**
Th	45 °C	**Desired hot water temperature (mixing valve temperature).**

Max. operating press. - collector side	400	kPa	Max. operating press. - tank side	400	kPa

Testing Laboratory	ENEA - Centro Ricerche Trisaia
Website	http://www.trisaia.enea.it
Test report id. number	RP.2016.SYS.191.1; RP.2018.SYS.201.1
Date of test report	2016-12-15; 2018-03-26
Test method	ISO 9459-2 (CSTG)

Comments of test lab	
Additional test report: RP.2016.SYS.191a.1.	ENEA TERIN-STSN Dr. Vincenzo Sabatelli

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24

Summary of	EN12976-2	test results	Certification No.	15558 Rev.2
Annex to Solar KEYMARK Certificate			Issued	2023-04-04

Company	Pleion S.p.A.		Country	Italy	
Brand (optional)			Website	www.pleion.it	
Street	Via Venezia 11		E-mail	info@pleion.it	
Postal Code	37053	Cerea (VR)	Tel. / Fax	+39	0442320295

System family overview

Collector name	For each storage and collector size, give number of collectors				
	EGO Prime 110	EGO Prime 150	EGO Prime 180	EGO Prime 220	EGO Prime 260
EGO Prime 110	1				
EGO Prime 150		1			
EGO Prime 180			1		
EGO Prime 220				1	
EGO Prime 260					1

Name of system configuration					
				EGO Prime 150	
Collector name	EGO Prime 150	No. Collectors	1	Storage name	EGO Prime 150

Calculated annual results for "solar-only / preheat system"

Location	Qd,sh	Daily drawoff 110 l				Daily drawoff 140 l				Daily drawoff 170 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE		6134	2529		0.41	7808	2833		0.36	9481	2947		0.31
WürzburgDE		5882	2782		0.47	7487	3168		0.42	9091	3313		0.36
Davos CH		6655	3682		0.55	8471	4064		0.48	10286	4209		0.41
Athens GR		4571	3401		0.74	5818	4007		0.69	7065	4403		0.62
Optional OP													

Perf. indicators for the table above

Qd,sh	MJ/y	**Not relevant for solar domestic hot water system**
Qd	MJ/y	**Annual heat demand for domestic hot water**
QL	MJ/y	**Annual heat energy delivered by the solar system**
Qpar	MJ/y	**Annual parasitic energy: (electricity for pumps/controllers)**
$f_{sol}=Q_L/Q_d$	-	**Solar fraction**

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR	Optional OP		
	G	1,157	1,230	1,684	1,736			
	Ta,ave	7.5	9.0	3.2	18.5			
	Tc,ave	8.5	10.0	5.4	17.8			
	± ΔTc	6.4	3.0	0.8	7.4			

G	kWh/m²	**Annual irradiation South, 45°**
Ta,ave	°C	**Annual average outdoor air temperature**
Tc,ave	°C	**Annual average mains cold water temp.**
ΔTc	K	**Seasonal variation of Tc**
Th	45 °C	**Desired hot water temperature (mixing valve temperature).**

Max. operating press. - collector side	400	kPa	Max. operating press. - tank side	400	kPa

Testing Laboratory	ENEA - Centro Ricerche Trisaia
Website	http://www.trisaia.enea.it
Test report id. number	RP.2016.SYS.191.1; RP.2018.SYS.201.1
Date of test report	2016-12-15; 2018-03-26
Test method	ISO 9459-2 (CSTG)

Comments of test lab	
Additional test report: RP.2016.SYS.191a.1.	ENEA TERIN-STSN Dr. Vincenzo Sabatelli

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24

Summary of	EN12976-2	test results	Certification No.	15558 Rev.2
Annex to Solar KEYMARK Certificate			Issued	2023-04-04

Company	Pleion S.p.A.		Country	Italy
Brand (optional)			Website	www.pleion.it
Street	Via Venezia 11		E-mail	info@pleion.it
Postal Code	37053	Cerea (VR)	Tel. / Fax	+39 0442320295

System family overview

Collector name	For each storage and collector size, give number of collectors				
	EGO Prime 110	EGO Prime 150	EGO Prime 180	EGO Prime 220	EGO Prime 260
EGO Prime 110	1				
EGO Prime 150		1			
EGO Prime 180			1		
EGO Prime 220				1	
EGO Prime 260					1

Name of system configuration							
					EGO Prime 180		
Collector name	EGO Prime 180	No. Collectors	1	Storage name	EGO Prime 180		

Calculated annual results for "solar-only / preheat system"

Location	Qd,sh	Daily drawoff 140 l				Daily drawoff 170 l				Daily drawoff 200 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE		7808	3227		0.41	9481	3521		0.37	11154	3676		0.33
WürzburgDE		7487	3549		0.47	9091	3926		0.43	10695	4131		0.39
Davos CH		8471	4698		0.55	10286	5056		0.49	12101	5253		0.43
Athens GR		5818	4334		0.74	7065	4931		0.70	8312	5386		0.65
Optional OP													

Perf. indicators for the table above

Qd,sh	MJ/y	**Not relevant for solar domestic hot water system**
Qd	MJ/y	**Annual heat demand for domestic hot water**
QL	MJ/y	**Annual heat energy delivered by the solar system**
Qpar	MJ/y	**Annual parasitic energy: (electricity for pumps/controllers)**
$f_{sol}=Q_L/Q_d$	-	**Solar fraction**

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR	Optional OP		
	G	1,157	1,230	1,684	1,736			
	Ta,ave	7.5	9.0	3.2	18.5			
	Tc,ave	8.5	10.0	5.4	17.8			
	± ΔTc	6.4	3.0	0.8	7.4			

G	kWh/m²	**Annual irradiation South, 45°**
Ta,ave	°C	**Annual average outdoor air temperature**
Tc,ave	°C	**Annual average mains cold water temp.**
ΔTc	K	**Seasonal variation of Tc**
Th	45 °C	**Desired hot water temperature (mixing valve temperature).**

Max. operating press. - collector side	400	kPa	Max. operating press. - tank side	400	kPa

Testing Laboratory	ENEA - Centro Ricerche Trisaia
Website	http://www.trisaia.enea.it
Test report id. number	RP.2016.SYS.191.1; RP.2018.SYS.201.1
Date of test report	2016-12-15; 2018-03-26
Test method	ISO 9459-2 (CSTG)

Comments of test lab	
Additional test report: RP.2016.SYS.191a.1.	ENEA TERIN-STSN Dr. Vincenzo Sabatelli

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Kiwa Cermet Italia S.p.A. • Via Cadriano, 23
• 40057 Granarolo dell'Emilia (BO) • Italy
Tel: +39 0514593111 • Fax: +39 051763382 • E-Mail: info@kiwacermet.it • www.kiwa.com

Summary of	EN12976-2	test results	Certification No.	15558 Rev.2
Annex to Solar KEYMARK Certificate			Issued	2023-04-04

Company	Pleion S.p.A.		Country	Italy
Brand (optional)			Website	www.pleion.it
Street	Via Venezia 11		E-mail	info@pleion.it
Postal Code	37053	Cerea (VR)	Tel. / Fax	+39 0442320295

System family overview

Collector name	For each storage and collector size, give number of collectors					
	EGO Prime 110	EGO Prime 150	EGO Prime 180	EGO Prime 220	EGO Prime 260	
EGO Prime 110	1					
EGO Prime 150		1				
EGO Prime 180			1			
EGO Prime 220				1		
EGO Prime 260					1	

Name of system configuration					
				EGO Prime 220	
Collector name	EGO Prime 220	No. Collectors	1	Storage name	EGO Prime 220

Calculated annual results for "solar-only / preheat system"

Location	Qd,sh	Daily drawoff 170 l				Daily drawoff 200 l				Daily drawoff 250 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE		9481	3930		0.41	11154	4252		0.38	13942	4484		0.32
WürzburgDE		9091	4321		0.48	10695	4727		0.44	13369	5037		0.38
Davos CH		10286	5734		0.56	12101	6120		0.51	15126	6405		0.42
Athens GR		7065	5268		0.75	8312	5892		0.71	10390	6621		0.64
Optional OP													

Perf. indicators for the table above

Qd,sh	MJ/y	**Not relevant for solar domestic hot water system**
Qd	MJ/y	**Annual heat demand for domestic hot water**
QL	MJ/y	**Annual heat energy delivered by the solar system**
Qpar	MJ/y	**Annual parasitic energy: (electricity for pumps/controllers)**
$f_{sol}=Q_L/Q_d$	-	**Solar fraction**

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR	Optional OP		
	G	1,157	1,230	1,684	1,736			
	Ta,ave	7.5	9.0	3.2	18.5			
	Tc,ave	8.5	10.0	5.4	17.8			
	± ΔTc	6.4	3.0	0.8	7.4			

G	kWh/m²	**Annual irradiation South, 45°**
Ta,ave	°C	**Annual average outdoor air temperature**
Tc,ave	°C	**Annual average mains cold water temp.**
ΔTc	K	**Seasonal variation of Tc**
Th	45 °C	**Desired hot water temperature (mixing valve temperature).**

Max. operating press. - collector side	400	kPa	Max. operating press. - tank side	400 kPa

Testing Laboratory	ENEA - Centro Ricerche Trisaia
Website	http://www.trisaia.enea.it
Test report id. number	RP.2016.SYS.191.1; RP.2018.SYS.201.1
Date of test report	2016-12-15; 2018-03-26
Test method	ISO 9459-2 (CSTG)

Comments of test lab	
Additional test report: RP.2016.SYS.191a.1.	ENEA TERIN-STSN Dr. Vincenzo Sabatelli

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24

Summary of	EN12976-2	test results	Certification No.	15558 Rev.2
Annex to Solar KEYMARK Certificate			Issued	2023-04-04

Company	Pleion S.p.A.		Country	Italy
Brand (optional)			Website	www.pleion.it
Street	Via Venezia 11		E-mail	info@pleion.it
Postal Code	37053	Cerea (VR)	Tel. / Fax	+39 0442320295

System family overview

Collector name	For each storage and collector size, give number of collectors				
	EGO Prime 110	EGO Prime 150	EGO Prime 180	EGO Prime 220	EGO Prime 260
EGO Prime 110	1				
EGO Prime 150		1			
EGO Prime 180			1		
EGO Prime 220				1	
EGO Prime 260					1

Name of system configuration							
						EGO Prime 260	
Collector name	EGO Prime 260	No. Collectors	1	Storage name	EGO Prime 260		

Calculated annual results for "solar-only / preheat system"

Location	Qd,sh	Daily drawoff 200 l				Daily drawoff 250 l				Daily drawoff 300 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE		11154	4642		0.42	13942	5097		0.37	16730	5283		0.32
WürzburgDE		10695	5101		0.48	13369	5693		0.43	16043	5932		0.37
Davos CH		12101	6760		0.56	15126	7318		0.48	18151	7544		0.42
Athens GR		8312	6215		0.75	10390	7178		0.69	12468	7845		0.63
Optional OP													

Perf. indicators for the table above

Qd,sh	MJ/y	**Not relevant for solar domestic hot water system**
Qd	MJ/y	**Annual heat demand for domestic hot water**
QL	MJ/y	**Annual heat energy delivered by the solar system**
Qpar	MJ/y	**Annual parasitic energy: (electricity for pumps/controllers)**
$f_{sol}=Q_L/Q_d$	-	**Solar fraction**

Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR	Optional OP		
	G	1,157	1,230	1,684	1,736			
	Ta,ave	7.5	9.0	3.2	18.5			
	Tc,ave	8.5	10.0	5.4	17.8			
	± ΔTc	6.4	3.0	0.8	7.4			

G	kWh/m²	**Annual irradiation South, 45°**
Ta,ave	°C	**Annual average outdoor air temperature**
Tc,ave	°C	**Annual average mains cold water temp.**
ΔTc	K	**Seasonal variation of Tc**
Th	45 °C	**Desired hot water temperature (mixing valve temperature).**

Max. operating press. - collector side	400	kPa	Max. operating press. - tank side	400	kPa

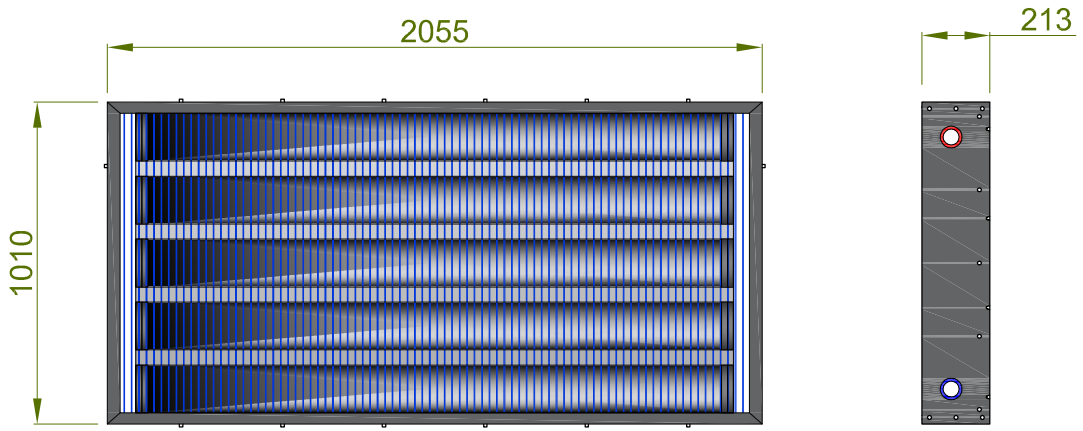
Testing Laboratory	ENEA - Centro Ricerche Trisaia
Website	http://www.trisaia.enea.it
Test report id. number	RP.2016.SYS.191.1; RP.2018.SYS.201.1
Date of test report	2016-12-15; 2018-03-26
Test method	ISO 9459-2 (CSTG)

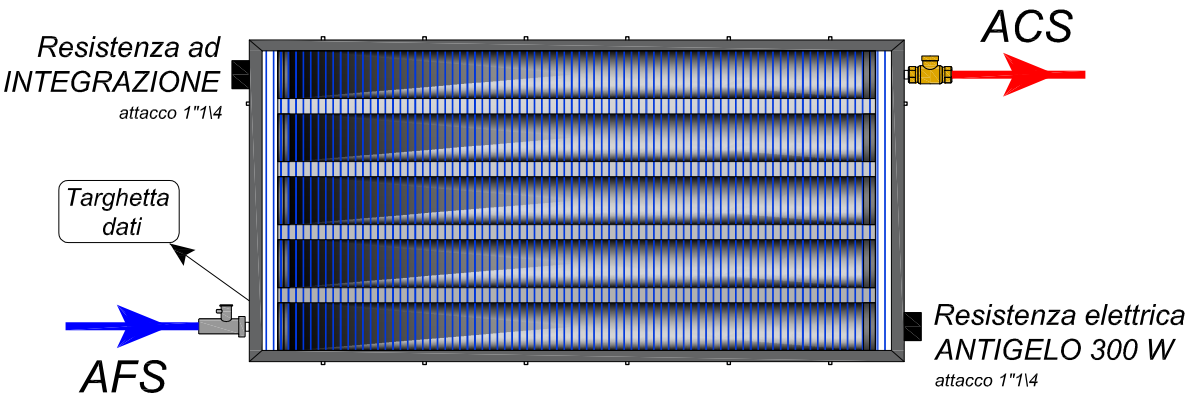
Comments of test lab
Additional test report: RP.2016.SYS.191a.1.

ENEA
TERIN-STSN
Dr. Vincenzo Sabatelli

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24





EGO PRIME 180

COLLETTORE SOLARE A CIRCOLAZIONE NATURALE ***EGO PRIME*** CON INNOVATIVO E BREVETTATO ACCUMULO INTEGRATO PER IL RISCALDAMENTO DIRETTO DELL'ACQUA AD USO SANITARIO. IL SISTEMA HA UN ACCUMULO INTERNO IN ACCIAIO INOX PER APLICAZIONI MARINE, IDONEO ALLO STOCCAGGIO DI QUALSIASI ACQUA POTABILE. FORMATO DA UNA SERIE DI TUBI DI CAPACITA' 35 LITRI, COLLEGATI ALLE LORO ESTREMITA' PER MEZZO DI ACCOPPIAMENTO TRA CALOTTE IN PLASTICA E CURVE IN MATERIALE METALLICO, CHE ASSICURANO LA TENUTA IN PRESSIONE FINO A 10 BAR. DOTATO DI ATTACCHI IDRAULICI (ACQUA SANITARIA) DA 3/4" CON BATTUTA PIANA, PREDISPOSIZIONE ATTACCHI DA 1"1/4 PER INSTALLAZIONE DELLA RESISTENZA ELETTRICA DI INTEGRAZIONE TERMICA (PARTE ALTA) E RESISTENZA ELET. ANTIGELO (PARTE BASSA), STRUTTURA ESTERNA IN ALLUMINIO RESISTENTE AL ALTE TEMPERATURE, STRUTTURA INTERNA IL LAMIERA ZINCATA E COPERTURA FRONTALE IN POLICARBONATO ALVEOLARE LEXAN ANTIGRANDINE, DOTATO DI ELEVATE PROPRIETA' TERMICHE. DI SERIE STAFFE PER POSA SU TETTO PIANO E TETTO INCLINATO E DI VALVOLA DI PRESSIONE CON FUNZIONE COMBINATA ANTIRIFLUSSO.

CAPACITA'	[l]	175
DIMENSIONI: LUNGHEZZA	[mm]	2.055
LARGHEZZA	[mm]	1.010
ALTEZZA	[mm]	213
SUPERFICIE LORDA	[m²]	2,08
SUPERFICIE DI APERTURA	[m²]	1,86
SUPERFICIE ASSORBIMENTO	[m²]	1,41
PESO A VUOTO	[kg]	43
PESO IN ESERCIZIO	[kg]	218
NUMERO TUBI INTERNI	[-]	5 x 35 lt
PRESSIONE MASSIMA ACQUA IN INGRESSO	[bar]	3
PRESSIONE MASSIMA ESERCIZIO	[kPa]	400
ISOLAMENTO PUR FONDO E LATERALE	[mm]	30 / 25
TEMPERATURA MASSIMA	[°C]	90°C
RESISTENZA ELETRICA INTEGRAZIONE TERMICA (OPTIONAL): POTENZA	[kW]	1,0 / 2,0
TENSIONE - FREQUENZA	[V - Hz]	220 - 50
REGOLAZIONE	[°C]	+48 : +53
RESISTENZA ELETRICA ANTIGELO (OPTIONAL): POTENZA	[W]	300
TENSIONE - FREQUENZA	[V - Hz]	220 - 50
REGOLAZIONE	[°C]	+4 : +8
RACCORDI DI CONNESSIONE	[inch]	2 X ¾" - M
CAMPO INCLINAZIONE	[°]	15 - 60
NUMERO PERSONE CONSIGLIATE	[-]	3-4
VALORE "QI" DA NORMATIVA al fabbisogno 170 lt/g - CALCOLO GSE	[Mj/an]	3926

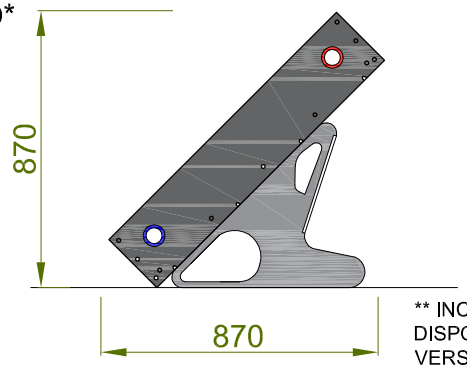
VALORI ETA0, A1, A2: NON CALCOLATI E NON RICHIESTI DALLA NORMATIVA DI CERTIFICAZIONE DEL COLLETTORE SOLARE, RIFERIMENTO UNI EN 12976
PER ULTERIORI INFORMAZIONI SI RIMANDA ALL'UFFICIO TECNICO PLEION

LEGENDA:

- VALVOLA DI SICUREZZA E NON RITORNO
- VALVOLA ROMPI-VUOTO
- AFS — ACQUA FREDDA SANITARIA TUBAZIONI *IN MATERIALE METALLICO O PLASTICO* DI DIAMETRO CONSIGLIATO 3/4"
- ACS — ACQUA CALDA SANITARIA TUBAZIONI IN *SOLO MATERIALE METALLICO* DI DIAMETRO CONSIGLIATO 3/4"

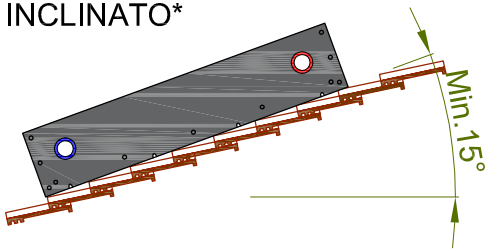
* FOLDERIA PER INSTALLAZIONE SU TETTO PIANO E TETTO INCLINATO PRESENTE DI SERIE NEL COLLETTORE.

INSTALLAZIONE TETTO PIANO*



** INCLINAZIONE FISSA. DISPONIBILI SU RICHIESTA VERSIONE A 30°

INSTALLAZIONE TETTO INCLINATO*



PLEION — Passion and Innovation make the difference

Questo schema è puramente indicativo e non costituisce impegno o responsabilità alcuna da parte di Pleion e dei suoi collaboratori.
La progettazione esecutiva e la conseguente messa in opera dovranno essere realizzate nel rigoroso rispetto delle norme vigenti di legge.
Pleion si riserva la proprietà di questo disegno con la proibizione di riprodurlo o trasferirlo a terzi senza autorizzazione scritta.

OGGETTO :	RIFERIMENTO :		
COLLETTORE EGO PRIME 180			
SCHEMA : scheda tecnica	DATA :	DISEGNATO :	CONTROLLATO :
REVISIONE :	01.06.18	E.L	