



FULL QUALITY ASSURANCE CERTIFICATE

Certificate No.:
120778-2012-CE-ITA-ACCREDIA

Initial date:
08 August, 2012

Validity:
18 June, 2021 – 17 June, 2024

This certificate consists of 3 pages

This is to certify that the quality system of:

FIC S.p.A. Frigotecnica Industriale Chiavenna
Via Trivulzia, 54 – 23020 Mese (SO) - Italy

has been assessed and found to comply with respect to the conformity assessment procedure described in:

ANNEX III MODULE H OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

This certificate is valid for the following scope:

Type of Pressure Equipment
Product Name

Pressure vessel
Heat exchangers, process tanks and equipment for industrial refrigeration

Place and date:
Vimercate, 26 May, 2021



SGQ N° 003 A
SGA N° 003 D
SGE N° 007 M
SCR N° 004 F

EMAS N° 009 P
PRD N° 003 B
PRS N° 094 C
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISB, GHG, LAB e LAT, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP

For the issuing office:
Notified Body 0496, Italy
DNV GL Business Assurance Italia S.r.l.

Nicola Privato
Management Representative



Certificate No.: 120778-2012-CE-ITA-ACCREDIA
Place and date: Vimercate 26 May, 2021
Revision No.: 03

Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016.

Certificate history:

Revision	Description	Issue Date
00	Original Certificate	08 August, 2012
01	Renewal of certificate	29 June, 2015
02	Renewal of certificate	27 July, 2018
03	Renewal of certificate	26 May, 2021

Products covered by this Certificate:

Product name	Product description	Category
Heat Exchangers, process tanks and equipment for industrial refrigeration	Trapcold heat transfer panels, Trapcold banks, process Therm, ice storage equipment, pressure vessels for food industry fluids	From I to III

Sites covered by this certificate

Site name	Site Address	Audited by	Date	Report ref
FIC S.p.A. Frigotecnica Industriale Chiavenna	Via Trivulzia, 54 – 23020 Mese (SO) - Italy	Massimo Rota Gelpi Vianelli Antonio (Milan/PA)	05-06 May, 2021	ML0879- 20210505- RC-MRG- PED

Particular material appraisal

The materials listed in Table 1 have been subjected to particular material appraisal.

Table 1

Component	Specification	Grade
Plates	UNI EN 10025	S275J2G3 (see remark 1)
		S355J2G3 (see remark 1)
	DIN 17440	1.4301, 1.4404, 1.4571

	DIN 17441	1.4301, 1.4404, 1.4571
	ASTM A240	304, 304L, 316, 316L
Tubes,	DIN 1626	1.0254 (see remark 2)
	DIN1629	1.0254 (see remark 2)
	DIN 8905-1	SF-Cu F24 (see remark 3)
	DIN 17457	1.4301, 1.4404
	DIN 17458	1.4301, 1.4404
	ASTM A249	304, 316L
	ASTM A269	TP304, TP316L
	A312	304, 316L
	ASTM A403	WP304 (see remark 5) WP304L (see remark 5)
	UNI 8863	Fe330 (see remarks 2 and 4)
	EN 10255	S 195T 1.0026 (see remarks 2 and 4)
Bars	UNI EN 10088	1.4301

Remarks

- 1) test frequency is to be in compliance with EN 10028. (Testing of each rolled plate);
- 2) impact testing is required for design temperatures below 0 °C for thickness > 6mm;
- 3) technical delivery conditions are to be in accordance with EN 12451;
- 4) mechanical testing is required, i.e. tensile test, bend test and flattening test;
- 5) supplementary requirement No. S2 in ASTM A403 required.

The materials are found to be acceptable under the following conditions

- mechanical and chemical requirements in the product standard must be complied with;
- the maximum stresses shall not exceed those allowed by the product standard;
- all testing specified in the product standard additional to the testing specified in the material standard must be carried out, with test results acceptable also to the product standard;
- documentation of materials is assumed to comply with PED Annex 1 section 4.3;
- impact testing to be foreseen for ASTM steels that may have brittle behaviour.

Terms and conditions

Valid terms and conditions are found in the DNV's PED Certification Requirements

End of Certificate



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This certificate consists of 2 pages

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FIC S.p.A. Frigotecnica Industriale Chiavenna

Via Trivulzia, 54 – 23020 Mese (SO) - Italy

has been assessed and found to comply with respect to the conformity assessment procedure described in:

ANNEX III MODULE H1 OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

This certificate is valid for the following scope:

Type of Pressure Equipment

Pressure Vessel

Product Name

Heat exchangers, process tanks and equipment for industrial refrigeration

Place and date:
Vimercate, 26 May, 2021



SGQ N° 003 A
SGA N° 003 D
SGE N° 007 M
SCR N° 004 F

EMAS N° 009 P
PRD N° 003 B
PRS N° 094 C
SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ISP, GHG, LAB e LAT, di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP

For the issuing office:
Notified Body 0496, Italy
DNV GL Business Assurance Italia S.r.l.

Nicola Privato
Management Representative



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Products covered by this Certificate:

Product name	Product description	Category
Heat Exchangers, process tanks and equipment for industrial refrigeration	Ice storage equipment, pressure vessels for food industry fluids.	IV

This approved system is only valid for products covered by a Module H1 EU Design Examination Certificate.

Sites covered by this certificate

Site name	Site Address	Audited by	Date	Report ref
FIC S.p.A. Frigotecnica Industriale Chiavenna	Via Trivulzia, 54 – 23020 Mese (SO) - Italy	Massimo Rota Gelpi Antonio Vianelli (Milan/PA)	05-06 May, 2021	ML0879- 20210505-RC- MRG-PED

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End of Certificate