

345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

August 4, 2025

ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)

Workorder No: 14671543 Your Reference No.: R-1993 Registered to: CHART INC

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN: 0H26028.5

Main Design No.: Appendix A, TEAK-CRN 3- WAY VALVE PID

Expiry Date: Aug 04, 2035

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mehdi Talebi Engineer, BPV

Tel.: +1 416-734-3413 Email: mtalebi@tssa.org



Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below





STATUTORY DECLARATION Registration of Fittings					
I. Israel Cruz, Quality Manager					
(Name and Position, e.g. Pres	sident, Plant Manager, Chief Eng	nineer)			
of Chart Inc.					
(Name of	of Manufacturer)				
Located at See Attached Worldwide Locations Appendix					
(Plant Address)	(Te	elephone No.)	(Fax No.)		
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3					
	North American Standard)	idontification madinaths f	#i i		
which specifies the dimensions, materials of construction, pre	essure/temperature ratings,	identification marking the 1	ttings and service;		
or are not covered by the provisions of a recognized Noas supported by the pressure/temperature ratings and the basis for such rating.	he attached data which ider	ntifies the dimensions, ma	terial of construction,		
I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of SO 9001:2015 which has been verified by the following authority, Bureau Veritas The items covered by this declaration, for which I seek registration, are category H - Carbon Capture System type fittings. In support of this application, the following information and/or test data are attached as follows: SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS					
(drawings, calcu	lations, test reports, etc.)		-		
Declared before me at TUISA County in the State of Oklahoma					
the day of May AD 20_2	S NOTAR	ANA VEL MARTINEZ Y PUBLIC - STATE OF OKLAHO	MA		
Commissioner for Oaths:	MYCON	MMISSION EXPIRES MAR. 08, 2			
Oliminodian in Education					
Una Vel Martinez	-				
(A) an 1/0/1, WA ON the					
(Signature)		(Signature of Declare	r)		
FOR OFF To the best of my knowledge and belief, the application meets the Technical Standards and Safety Act, Boilers and Pressure Vess CSA Standard B51 and is accepted for registration in Category	Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program			
CRN: 0H26028.5	REGISTERED				
Registered by:	T S S A The stamp size has				
	een optimized for 11 17 documents.	Signed: MT			
NOTE: This registration expires on: Aug 4, 2035	Date: August 4, 2025.				

^{*}Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09553 (04/17)



Chart Inc.

1300 Airport Dr. Ball Ground, GA 30107 USA

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

Design, manufacturing and service of cryogenic equipment, pressure vessels, water treatment systems, other vacuum systems and components.

Original cycle start date:

Expiry date of previous cycle:

Certification / Recertification Audit date:

Certification / Recertification cycle start date:

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:

management system, this certificate expir

29-September-2015

29-September-2024

26-May-2024

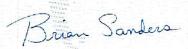
30-September-2024

29-September-2027

Certificate No.: US020045

Version: 1

Issue date: 18-July-2024





8000

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 16800 Greenspoint Park Drive Suite 300S Houston, TX 77060, USA

Further clarifications regarding the scope and validity of this certificate can be found by selecting or scanning the QR Code shown on the left.

UKAS Certificate Template Multi Site Rev.4.1

28 Aug 2023





Chart Inc.

ISO 9001:2015

Scope of certification

Site Name	Site Address	Site Scope			
Chart Inc HQ	1300 Airport Dr. Ball Ground, GA 30107 USA	Design, manufacturing, and service of cryogenic equipment, pressure vessels, and other vacuum systems and components.			
Chart Inc Brentwood	48 Pine Road Brentwood, NH 03833 USA				
Chart Inc Houston	55 Southbelt Industrial Drive Houston, TX 77047 USA				
Chart Inc McCarran	1995 Peru Drive McCarran, NV 89434 USA	Service of cryogenic equipment.			
Chart Inc Richburg	521 Business Park Dr. Richburg, SC 29729 USA				
Chart Inc Duluth	2055 Boggs Rd. Duluth, GA 30096 USA	Design, manufacture and service of			
Chart Inc Fayetteville	4375 Vantage Drive, Suite 202 Fayetteville, AR 72703 USA	water treatment systems.			
Chart Inc New Prague	407 7th Street NW New Prague, MN 56071 USA				
Chart Inc New Prague	1100 1st Avenue NW, Suite B New Prague, MN 56071 USA	Design, manufacturing, and service of pressure vessels, systems, and components.			
Chart Inc Theodore	4075 Hamiton Blvd. Theodore, AL 36582 USA				
Chart Inc Theodore	7600 Mitsubishi Lane Theodore, AL 36582 USA	$\lambda = 0$			

Certificate No.: US020045

Version: 1

Issue date: 18-July-2024





Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 16800 Greenspoint Park Drive Suite 3005 Houston, TX 77060, USA

Further clarifications regarding the scope and validity of this certificate can be found by selecting or scanning the QR Code shown on the left.



28 Aug 2023



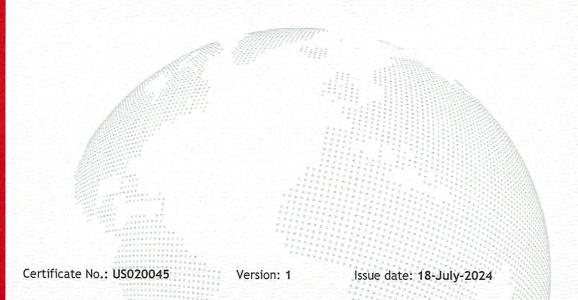


Chart Inc.

ISO 9001:2015

Scope of certification

Site Name	Site Address	Site Scope			
Chart Inc Tulsa	5615 S 129th E Ave Tulsa, OK 74134 USA	Manufacturing and service of pressure vessels, systems, and components.			







Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 16800 Greenspoint Park Drive Suite 300S Houston, TX 77060, USA

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28 Aug 2023



21-May-25

5615 S. 129TH E. AVE. TULSA, OK 74134



PAGE 1 OF 1

SCOPE OF CRN REGISTRATION

Product	Drawing	Design	Size	Connections	Material	MAWP at MAWT	MDMT	CA	Report
Description	Numbers	Code	Range		Specification	(psig)	(F)	(in.)	Number
Carbon	Earthly Labs	ASME B31.3,	1/4" OD x 0.035",	Tube End,	ASTM A213 TP316,	CO2:	30°F	Nil	R-1993
Capture	CICI (TEAK) 3-WAY PID V1.0	2024	3/8" OD x 0.035",	NPT, ASME	ASTM A269 TP316,	175 psig at 150°F	and -40°F		Rev. 0
System	- CRN.VSDX		2" Sch. 40S,	B16.5 Flanged	ASTM A270 TP316,		(Note 2)		
	CRN C-1000, CRN Line 1010,		1/2" Class 3000,		ASTM A312 TP304,				
	CRN H-1010, CRN Line 1011,		2" Class 3000		ASTM A182 F316,				
	CRN Line 1012, CRN Line 1013,				ASTM A182 F304				
	CRN Line 1014, CRN Line 1015,								
	CRN Line 1016, CRN Line 1017,								
	CRN Line 1018, CRN Line 1020,								
	CRN Line 1021, CRN Line 1022,								
	CRN V-1020 & V-1021,								
	CRN Line 1023, CRN Line 1024,								
	CRN Line 1030, CRN V-1030,								
	CRN Line 1031, CRN H-1040,								
	CRN Line 1040, CarboMax								
	1000 CO2 Dewar-V-1040,								
	CRN Line 1041, CRN Line 1042,								1
	CRN Line 1050								1

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: All CSA B51 regulated lines in the Carbon Capture System have a MDMT equal to 30°F except for line 1040 between the Chiller and Dewar which has a MDMT equal to -40°F.

- Note 3: Per CSA Table 1 Note (2)(B) the total volume of any configured assembly shall not exceed 1.5 cubic feet in volume.
- Note 4: Flanges to comply with ASME B16.5 and ASME B16.11 fittings shall be Class 3000.
- Note 5: See Attached List of Chart Inc. Manufacturing locations applicable to this CRN.

THIS IS PART OF CRN

0H26028.5

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program