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www.tssa.org

June 26, 2024

ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)

Workorder No: 14134918 Your Reference No.: R-1962

Registered to: ACME CRYOGENICS, 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: 0C14626.5R2

Main Design No.: Scope of registration CRN-1060/1080 Rev K, Design report E11003 Rev 7

Expiry Date: Jun 26, 2034

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

Note: 10-year renewal to exist CRN 0C14626.5R1.

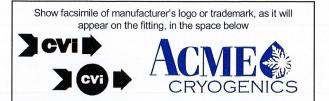
The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org.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

Yours truly,

Ruiming You P,ENG Engineer, BPV

Tel.: +1 416-734-3428 Email: ryou@tssa.org





STATUTORY DECLARATE Registration of Fittings	ΓΙΟΝ	
I, David M. Rakos, Director of Engineering		
(Name and Position, e.g. President, Plant Manager, Chief Engine	eer)	
of Acme Cryogenics, Inc.		
(Name of Manufacturer)		
Located at 2801 Mitchell Avenue, Allentown, PA 18103 (616)	0) 791-7909	(610) 791-2837
	phone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Tech</i> and Pressure Vessels Regulation, comply with all of the requirements of	nical Standards a	and Safety Act, Boilers
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings, ide	entification marking t	he fittings and service;
or are not covered by the provisions of a recognized North American standard and ASME B31.3, B31.12 & B16.34 as supported by the attached data which identificantly pressure/temperature ratings and the basis for such ratings, the marking of the fitting	fies the dimensions	, material of construction,
I further declare that the manufacture of these fittings is controlled by a quality system meeti which has been verified by the following authority, _TUV Rheinland	ng the requirement	is of CSA B51
The items covered by this declaration, for which I seek registration, are category C (All line valves	3)	type fittings. In support of
this application, the following information and/or test data are attached as follows:		.ypc hungs. In support of
Drawing CRN-1060/1080, Rev. A Scope of CRN Registration; Calculation No. E11003,	Rev. 7	
(drawings, calculations, test reports, etc.)		
Declared before me at 2801 Mitchell Avenue in the Common	wealth of	Pennsulvania
Commo	nwealth of Pennsylvan SARAH PAINTER - Notal	nia - Notary Seal
	Lehigh County	
	ommission Expires Aug Commission Number 1	
Sarah Panter (Printed name)		
Sait,		
(Signature)	(Signature of Dec	clarer)
FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program
COA Standard BOT and is accepted for registration in Category	REGIS	TERED
CRN:	C.R.N.: 0C14626.	5R2
Registered by:	Signed: Rune 26	y -
Dated:		
June 26, 2034	Registration pand B16.34 s	oer ASME B31.3 standards.
NOTE: This registration expires on:	aa 2 1010 10	

^{*}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)

	CV0500HHYVPxxxx
	CV0500HHYOPxxxx
	CV0500AxxVPxxxx
	CV0500AxxOPxxxx
	CV1000HHYVPxxxx
	CV1000HHYOPxxxx
	CV1000AxxVPxxxx
	CV1000AxxOPxxxx
	CV1500HHYVPxxxx
	CV1500HHYOPxxxx
	CV1500xxYVPxxxx
	CV1500xxYOPxxxx
)	CV2000HHYVPxxxx
	CV2 000 HHYO Pxxxx
	CV2000xxYVPxxxx
	CV2000xxYOPxxxx
	CV3000HHYVPxxxx
	CV3 000HHYO Pxxxx
	CV3 000AxxVPxxxx
	CV3000AxxOPxxxx
	CV4000HHYVPxxxx
	CV4000HHYOPxxxx
	CV4000AxxVPxxxx

PART NO.	PRODUCT DESCRIPTION	PRIMARY PRESSURE RETAINING COMPONENT	ASME / ANSI DESIGN STANDARD	SIZE OR SIZE RANGE	DESIGN PRESS @ MAX TEMPER		мрмт	ACTUAL WALL THICKNESS VS MIN REQUIRED	END CONNECTION & SIZE RANGE	ASME / ASTM MATERIAL SPECIFICATION	REF CALCULATION	DRAWING NO.
CV0500HHYVPxxxx				SIZE KANGE	@ IVIAX TEIVIPER	MIUKE	MIDIVIT	VS WIIN REQUIRED	& SIZE RAINGE	•	CALCULATION	DRAWING NO.
CV0500HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3					Ext Tube: 0.035/0.028		SA-351 CF8 M; SA-312 TP 316/316L;		
CV0500AxxVPxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1/2	600 PSIG @	150 °F	-425 °F	Valve body: 0.15/0.15	NPS 1/2 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07833
CV0500AxxOPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CV1000HHYVPxxxx	140051 51//4 \	DODY STUDS	45145 834 3							5 A 35 A 550 A 5 A 3 A 3 TO 3 A 5 3 A 5		
CV1000HHYOPxxxx	MODEL CV (Acme) STRAIGHT-PATTERN	BODY; STUBS; EXTENSION TUBE; FLANGE;	ASME B31.3 ASME B31.12	NPS 1	600 PSIG @	150.5	-425 ° F	Ext Tube: 0.049/0.033	NPS 1 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07708
CV1000AxxVPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34	INF3 I	600 F31G @	150 F	-425 F	Valve body: 0.19/0.165	INF3 I BAVE	SA-213 1F 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 KeV /	D-07708
CV1000AxxOPxxxx	GLOBE VALVE	BONNET, GASKET, BOLIS	ASIVIE B10.34							3A-479 316/316L, VITON, 3A-320 66, CL.1		
CV1500HHYVPxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3							SA-351 CF8M; SA-312 TP 316/316L;		
CV1500HHYOPxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1-1/2	600 PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 1-1/2 BW E	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07584
CV1500xxYVPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34					Valve body: 0.23/0.205		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CV1500xxYOPxxxx												
CV2000HHYVPxxxx	MODEL CV (Acme)	BODY; STUBS;	ASM E B31.3							SA-351 CF8M; SA-312 TP 316/316L;		
CV2000HHYO Pxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 2	600 PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 2 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07688
CV2000xxYVPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASM E B16.34					Valve body: 0.25/0.24		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CV2 000xxYOP xxxx CV3 000HHYVP xxxx											 	
CV3 000HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASM E B31.3					Ext Tube: 0.188/0.074		SA-351 CF8M; SA-312 TP 316/316L;		830-A08540
CV3000AxxVPxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 3	600 PSIG @	150 °F	-425 °F	Valve body: 0.313/0.281	NPS 3 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	830-A08550
CV3000AxxOPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASM E B16.34					varve 5004y. 0.313/0.201		SA-479 316/316L; VITON; SA-320 B8, CL.1		830-708330
CV4000HHYVPxxxx												
CV4000HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASM E B31.3					Ext Tube: 0.188/0.074		SA-351 CF8M; SA-312 TP 316/316L;		830-A08560
CV4000AxxVPxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 4	600 PSIG @	150 °F	-425 °F	Valve body: 0.313/0.281	NPS 4 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	830-A08570
CV4000AxxOPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34					•		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CV0500HHYOSPxx	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3					Ext Tube: 0.035/0.028		SA-351 CF8M; SA-479 316/316L;		
CV0500HHYO3PXX CV0500AxxOSPxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1/2	600 PSIG @	150 °F	-425 °F	Valve body: 0.15/0.15	NPS 1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07833
CVUSUUAXXUSFXX	GLOBE VALVE	GASKET; BOLTS	ASM E B16.34					varve body. 0.15/0.15		VITO N; SA-320 B8, CL.1		
CV1000HHYOSPxx	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3					Ext Tube: 0.049/0.033		SA-351 CF8M; SA-479 316/316L;		
CV1000AxxOSPxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1	600 PSIG @	150 °F	-425 ° F	Valve body: 0.19/0.165	NPS 1 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07708
	GLOBE VALVE	GASKET; BOLTS	ASM E B16.34							VITO N; SA-320 B8, CL.1		
CV1500HHYOSPxx	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3					Ext Tube: 0.049/0.042		SA-351 CF8M; SA-479 316/316L;		
CV1500AxxOSPxx	STRAIGHT-PATTERN		ASME B31.12	NPS 1-1/2	600 PSIG @	150 °F	-425 °F	Valve body: 0.23/0.205	NPS 1-1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07584
	GLOBE VALVE	GASKET; BOLTS	ASME B16.34 ASME B31.3							VITO N; SA-320 B8, CL.1		
CV2000HHYOSPxx	MODEL CV (Acme) STRAIGHT-PATTERN	BODY; BONNET; EXTENSION TUBE; FLANGE;	ASME B31.3 ASME B31.12	NPS 2	600 PSIG @	150.5	-425 ° F	Ext Tube: 0.049/0.042	NPS 2 SWE	SA-351 CF8M; SA-479 316/316L;	E11003 Rev 7	D-07688
CV2000AxxOSPxx	GLOBE VALVE	GASKET; BOLTS	ASME B16.34	NP3 Z	600 P31G @	150 F	-425 F	Valve body: 0.25/0.24	NP3 2 SWE	SA-213 TP 316/316L; SA-182 F316/316L; VITO N; SA-320 B8, CL.1	E11003 KeV /	D-07688
	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3					Ext Tube: 0.035/0.028		SA-351 CF8M; SA-312 TP 316/316L;	 	
CV0500AXXVP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1/2	600 PSIG @	150 °E	-425 °F	Valve body: 0.15/0.15	NPS 1/2 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-07903
CV0500AXXOP-CHK	CHECK VALVE	BONNET; GASKET; BOLTS	ASME B16.34	141 3 1/2	000 1310 @	130 .	423	Bonnet: 0.375/0.164	1413 1/2 5442	SA-479 316/316L; VITON; SA-320 B8, CL.1	EIIOOS KEV /	5-07505
	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3					Ext Tube: 0.049/0.033		SA-351 CF8 M; SA-312 TP 316/316L;		
CV1000AXXVP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1	600 PSIG @	150 °F	-425 °F	Valve body: 0.19/0.165	NPS 1 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-08020
CV1000AXXOP-CHK	CHECK VALVE	BONNET; GASKET; BOLTS	ASM E B16.34					Bonnet: 0.315/0.201		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CV4 FOO AVVVVD CLUV	MODEL CV (Acme)	BODY; STUBS;	ASM E B31.3					Ext Tube: 0.049/0.042		SA-351 CF8 M; SA-312 TP 316/316L;		
CV1500AXXVP-CHK CV1500AXXOP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1-1/2	600 PSIG @	150 °F	-425 °F	Valve body: 0.23/0.205	NPS 1-1/2 BW E	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	D-06798
CVISUUAXXOF-CHK	CHECK VALVE	BONNET; GASKET; BOLTS	ASM E B16.34					Bonnet: 0.375/0.248		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CV2000AXXVP-CHK	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3					Ext Tube: 0.049/0.042		SA-351 CF8M; SA-312 TP 316/316L;		
CV2000AXXVP-CHK	STRAIGHT-PATTERN		ASME B31.12	NPS 2	600 PSIG @	150 °F	-425 °F	Valve body: 0.25/0.24	NPS 2 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	C-08280
TVZ 0007 WNOT -CTIK	CHECK VALVE	BONNET; GASKET; BOLTS	ASME B16.34					Bonnet: 0.625/0.28		SA-479 316/316L; VITON; SA-320 B8, CL.1		

INTERPRET PER ASME Y14.5-2009

. THE FOLLOWING TOLERANCES APPLY: .XX: ±.01" .XXX: ±.005" FRACTIONS: ± 1/32" ANGLES" ±0.5°

3. REMOVE ALL BURRS AND SHARP EDGES .015 MAX

2. ALL DIMENSIONS ARE INCHES.

MACHINED SURFACE TO BE 125
 MICR-INCHES OR BETTER.

GENERAL NOTES:

1. CODES OF DESIGN & CONSTRUCTION

ASME B31.3, PROCESS PIPING CODE

ASME B31.12, HYDROGEN PIPING & PIPELINES CODE

ASME B16.34, VALVES -FLANGED, THREADED, AND WELDING END

CSA B51, BOILER, PRESSURE VESSEL, & PRESSURE PIPING CODE

2. SAFE WORKING PRESSURE (NON SHOCK) 600 PSIG MAX. WITHIN THE TEMPERATURE RANGE OF -425°F TO +200°F (LIMITED TO 150°F BY THE SEAL MATERIALS)

3. REFERENCE CALCULATION: E11003, REV. 7

						l
J	REDRAWN IN SOLIDWORKS; MULTIPLE CHANGES - SEE ECN FOR DETAILS	8/4/2023	AJH	DRH	10495	Г
K	multiple changes; see ecn for details	5/30/2024	AJH	DRH	10559	
REV	DESCRIPTION	DATE	REV BY	APPD BY	ECN NO.	

THIS IS PART OF CRN

0C14626.5R2

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

total 8 sheets

registration per ASME B31.3 and B16.34 standards.

OKIGINAL

REV. K

DATE 05/23/2011 DMR SCOPE OF REGISTRATION -DATE 07/17/2023 DRAWN BY AJHCRYOGENIC GLOBE VALVES DATE 07/20/2023 CHECKED BY CRYOGENICS DATE 08/04/2023 APPROVED BY DRH

PART OF OPW | a DOWER COMPANY DWG NO. CRN-1060/1080

P/N: SEE TABLE

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Α

	PRODUCT	PRIMARY PRESSURE	ASME / ANSI	SIZE OR	DESIG	N PRES	SURE		ACTUAL WALL THICKNESS	END CONNECTION		REF	
PART NO.	DESCRIPTION	RETAINING COMPONENT	DESIGN STANDARD	SIZE RANGE	@ MAX	TEMPE	RATURE	MDMT	VS MIN REQUIRED	& SIZE RANGE	ASME / ASTM MATERIAL SPECIFICATION	CALCULATION	DRAWING NO.
	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3						Ext Tube: 0.035/0.028		SA-351 CF8M; SA-479 316/316L;		
CV0500AXXSP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1/2	600 F	PSIG @	150 °F	-425 °F	Valve body: 0.15/0.15	NPS 1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CV0500AXXSP-CHK
	CHECK VALVE	GASKET; BOLTS	ASM E B16.34						Bonnet: 0.375/0.164		VITO N; SA-320 B8, CL.1		
	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						Ext Tube: 0.049/0.033		SA-351 CF8M; SA-479 316/316L;		
CV1000AXXSP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1	600 F	PSIG@	150 °F	-425 °F	Valve body: 0.19/0.165	NPS 1 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CV1000AXXSP-CHK
	CHECK VALVE	GASKET; BOLTS	ASM E B16.34						Bonnet: 0.315/0.201		VITO N; SA-320 B8, CL.1		
	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						Ext Tube: 0.049/0.042		SA-351 CF8M; SA-479 316/316L;		
CV1500AXXSP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1-1/2	600 F	PSIG @	150 °F	-425 °F	Valve body: 0.23/0.205	NPS 1-1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CV1500AXXSP-CHK
	CHECK VALVE	GASKET; BOLTS	ASM E B16.34						Bonnet: 0.375/0.248		VITO N; SA-320 B8, CL.1		
	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						Ext Tube: 0.049/0.042		SA-351 CF8M; SA-479 316/316L;		
CV2000AXXSP-CHK	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 2	600 F	PSIG @	150 °F	-425 °F	Valve body: 0.25/0.24	NPS 2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CV2000AXXSP-CHK
	CHECK VALVE	GASKET; BOLTS	ASM E B16.34						Bonnet: 0.625/0.28		VITO N; SA-320 B8, CL.1		
AV1000HHYVPxxxx	MODEL CV (Acme)	BODY; STUBS;	ASM E B31.3								SA-351 CF8M; SA-312 TP 316/316L;		
AV1000HHYO Pxxxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1	600	PSIG @	150 *5	-425 °F	Ext Tube: 0.049/0.033	NPS 1 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11002 Pay 7	AV1000HHYVPxxxx
AV1000AxxVPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34	INF31	000	310 @	130 F	-425 F	Valve body: 0.19/0.175	MESTRAE	SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 KeV /	AVIOUDHHIVEXXXX
AV1000AxxOPxxxx	GLOBE VALVE	BONNET, GASKET, BOLTS	ASIVIE 616.54								3A-479 316/316L, VITON, 3A-320 Ba, CL.1		
AV1500HHYVPxxxx	MODEL CV (Acme)	BODY; STUBS;	ASM E B31.3								SA-351 CF8M; SA-312 TP 316/316L;		
AV1500HHYO Pxxxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	1	NDC 1 1/2		rsig @	150.5	-425 °F	Ext Tube: 0.049/0.042	NPS 1-1/2 BW E		F11007 D 7	AV1500HHYVPxxxx
AV1500AxxVPxxxx			ASME B31.12	NPS 1-1/2	600	-51G @	150 F	-425 F	Valve body: 0.23/0.21	NPS 1-1/2 BW E	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 KeV /	AVISOUHHYVPXXXX
AV1500AxxOPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASM E B16.34								SA-479 316/316L; VITON; SA-320 B8, CL.1		
AV2000HHYVPxxxx	MODEL CV (Acme)	BODY: STUBS:	ASME B31.3								SA-351 CF8M; SA-312 TP 316/316L;		
AV2 000 HHYO Pxxxx	ANGLE-PATTERN	,		NDC 3	500	ocic e	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 2 BWE		544003 D 7	A) /30 00 H I) 0 /D
AV2000xxVPxxxx		EXTENSION TUBE; FLANGE;	1	NPS 2	600	-31G @	150 F	-425 F	Valve body: 0.25/0.247	NP3 2 BVVE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 KeV /	AV2000HHYVPxxxx
AV2000AxxOPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASM E B16.34								SA-479 316/316L; VITON; SA-320 B8, CL.1		
AV // 00011111/06D	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						5		SA-351 CF8M; SA-479 316/316L;		
AV1000HHYOSPxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1	600 F	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.033	NPS 1 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	AV1000HHYVPxxxx
AV1000AxxOSPxx	GLOBE VALVE	GASKET; BOLTS	ASM E B16.34						Valve body: 0.19/0.175		VITO N; SA-320 B8, CL.1		
	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3								SA-351 CF8M; SA-479 316/316L;		
AV1500HHYOSPxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1-1/2	600 F	rsig @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 1-1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	AV1500HHYVPxxxx
AV1500AxxOSPxx	GLOBE VALVE	GASKET; BOLTS	ASME B16.34	·		_			Valve body: 0.23/0.21	·	VITO N; SA-320 B8, CL.1		
	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						· - · - · · · · · · · · · · · · ·		SA-351 CF8M; SA-479 316/316L;		
AV2 000HHYO SPxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 2	600 F	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	AV2000HHYVPxxxx
AV2000AxxOSPxx	GLOBE VALVE	GASKET; BOLTS	ASME B16.34						Valve body: 0.25/0.247		VITO N; SA-320 B8, CL.1		
YV1000HHYVPxxxx													
YV1000HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.049/0.033		SA-351 CF8M; SA-312 TP 316/316L;		
YV1000AxxVPxxxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1	600 F	PSIG @	150 °F	-425 °F	Valve body: 0.288/0.172	NPS 1 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV1000HHYVPxxxx
YV1000AxxOPxxxx	VALVE	BONNET; GASKET; BOLTS	ASME B16.34								SA-479 316/316L; VITON; SA-320 B8, CL.1		
YV1500HHYVPxxxx													
YV1500HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.049/0.042		SA-351 CF8M; SA-312 TP 316/316L;		
YV1500AxxVPxxxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1-1/2	600 F	rsig @	150 °F	-425 °F	Valve body: 0.341/0.205	NPS 1-1/2 BW E	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV1500HHYVPxxxx
YV1500AxxOPxxxx	VALVE	BONNET; GASKET; BOLTS	ASM E B16.34						,,		SA-479 316/316L; VITON; SA-320 B8, CL.1		
YV2000HHYVSPxx													
YV2 000HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.049/0.042		SA-351 CF8M; SA-312 TP 316/316L;		
YV2000AxxVSPxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 2	600 F	osig @	150 °F	-425 °F	Valve body: 0.341/0.240	NPS 2 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV2000HHYVSPxx
YV2000AxxOPxxxx	VALVE	BONNET; GASKET; BOLTS	ASME B16.34						,		SA-479 316/316L; VITON; SA-320 B8, CL.1		
YV3000HHYVSPxx													
YV3000HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.188/0.074		SA-351 CF8M; SA-312 TP 316/316L;		
YV3000AxxVSPxx	Y-PATTERN GLOBE		ASME B31.12	NPS 3	600 F	osig @	150 °F	-425 °F	Valve body: 0.341/0.281	NPS 3 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV3000HHYVPxxxx
YV3000AxxOPxxxx	VALVE	BONNET; GASKET; BOLTS	ASME B16.34						12.12.2227. 0.242, 0.201		SA-479 316/316L; VITON; SA-320 B8, CL.1		
YV4000HHYVPxxxx	_										_	1	
YV4000HHYO Pxxxx	MODEL CV (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.188/0.074		SA-351 CF8M; SA-312 TP 316/316L;		
YV4000AxxVPxxxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	1	NPS 4	600 F	rsig @	150 °F	-425 °F	Valve body: 0.611/0.314	NPS 4 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV400HHYVPxxxx
YV4000AxxOPxxxx	VALVE	BONNET; GASKET; BOLTS	ASME B16.34						12.12.2004. 0.011/0.314		SA-479 316/316L; VITON; SA-320 B8, CL.1		
TANK TONANGOOF	I	l .	1						l			1	

ORIGINAL

UNLESS OTHERWISE SPECIFIED INTERPRET PER ASME Y14.5-2009	DESIGN BY DMR	DATE 05/23/2011		
 THE FOLLOWING TOLERANCES APPLY: .XX: ±.01" .XXX: ±.005" FRACTIONS: ± 1/32" ANGLES" ±0.5° 	DRAWN BY AJH	DATE 07/17/2023	SCOPE OF REGISTRATION - CRYOGENIC GLOBE VALVES	ACMF
ALL DIMENSIONS ARE INCHES.	CHECKED BY	DATE	0111002111002002 1712120	
3. REMOVE ALL BURRS AND SHARP EDGES .015 MAX	CHECKED BY BL	DATE 07/20/2023		CRYOGENICS
MACHINED SURFACE TO BE 125 MICR-INCHES OR BETTER.	APPROVED BY	DATE 09/04/2022		CKIOGENICS
	APPROVED BY DRH	DATE 08/04/2023		PART OF OPW a DOVER COMPANY
5. DO NOT SCALE DRAWING.				Track of the far and f
THIRD ANGLE PROJECTION	THIS DRAWING AND THE INFORATION OR DATA CONTAINE CRYGGENICS, INC. AND IS NOT TO BE COPIED, REPRODUCT PART WITHOUT THE PRIOR WRITTEN CONSENT OF ACME C SOON AS IT HAS SERVED THE PURPOSES FOR WHICH IT IS	ED, DUPLICATED OR DISCLOSED TO OTHER IN WHOLE OR IN PRYOGENICS, INC. THE DRAWING SHOULD BE RETURNED AS	P/N: SEE TABLE	DWG NO. CRN-1060/1080
	SHOULD BE PROPERLY SAFEGUARDED AGAINST DISCLOSUR	FURNISHED AND WHILE IN THE POSSESSION OF THE RECIPIENT IE TO ANYONE EXCEPT EMPLOYEES WHO REQUIRE IT FOR WORK KMATION OR DATA CONTAINED HEREIN WHICH IS AVAILABLE TO	SCALE:N/A Project No.: E220040	SHEET: SHEET 2 OF 8 REV. K
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	PRODUCT	PRIMARY PRESSURE	ASME / ANSI	SIZE OR	DESI	GN PRES	SURF		ACTUAL WALL THICKNESS	END CONNECTION		REF	
PART NO.	DESCRIPTION	RETAINING COMPONENT					RATURE	MDMT	VS MIN REQUIRED	& SIZE RANGE	ASME / ASTM MATERIAL SPECIFICATION	CALCULATION	DRAWING NO.
YV1000HHYOSPxx	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3						Ext Tube: 0.049/0.033		SA-351 CF8M; SA-479 316/316L;		
YV1000AxxOSPxx	Y-PATTERN GLOBE VALVE	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1	600	PSIG @	150 °F	-425 °F	Valve body: 0.288/0.172	NPS 1 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV1000HHYOSPxx
	MODEL CV (Acme)	GASKET; BOLTS BODY; BONNET;	ASME B16.34 ASME B31.3								VITO N; SA-320 B8, CL.1 SA-351 CF8M; SA-479 316/316L;		
YV1500HHYOSPxx	Y-PATTERN GLOBE		ASME B31.12	NPS 1-1/2	600	PSIG @	150 °E	-425 °F	Ext Tube: 0.049/0.042	NPS 1-1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV1500HHYOSPxx
YV1500AxxOSPxx	VALVE	GASKET; BOLTS	ASME B16.34	1113 1-1/2	000	1310@	120 .	423	Valve body: 0.341/0.205	14131-1/23412	VITO N; SA-320 B8, CL.1	EIIOOS NEV /	17130011111031 XX
	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3								SA-351 CF8M; SA-479 316/316L;		
YV2 000HHYO SPxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV2000HHYOSPxx
YV2000AxxOSPxx	VALVE	GASKET; BOLTS	ASM E B16.34						Valve body: 0.341/0.240		VITO N; SA-320 B8, CL.1		
YV3 000HHYO SPxx	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						Ext Tube: 0.188/0.074		SA-351 CF8M; SA-479 316/316L;		
YV3000AxxOSPxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 3	600	PSIG @	150 °F	-425 °F	Valve body: 0.341/0.281	NPS 3 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV3000HHYOSPxx
14300044403144	VALVE	GASKET; BOLTS	ASM E B16.34						varve body. 0.341/0.281		VITO N; SA-320 B8, CL.1		
YV4000HHYOSPxx	MODEL CV (Acme)	BODY; BONNET;	ASM E B31.3						Ext Tube: 0.188/0.074		SA-351 CF8M; SA-479 316/316L;		
YV4000AxxOSPxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	I	NPS 4	600	PSIG @	150 °F	-425 °F	Valve body: 0.611/0.314	NPS 4 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	YV400HHYOSPxx
	VALVE	GASKET; BOLTS	ASME B16.34								VITO N; SA-320 B8, CL.1		
CT1000HHYVPxxxx	MODEL CT (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.049/0.033		SA-351 CF8M; SA-312 TP 316/316L;		
CT1000AxxVPxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1	600	PSIG @	150 F	-425 °F	Valve body: 0.19/0.165	NPS 1 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT1000HHYVPxxxx
	GLOBE VALVE MODEL CT (Acme)	BONNET; GASKET; BOLTS	ASME B16.34 ASME B31.3				+				SA-479 316/316L; VITON; SA-320 B8, CL.1		
CT1500HHYVPxxxx	STRAIGHT-PATTERN	BODY; STUBS; EXTENSION TUBE; FLANGE;		NPS 1-1/2	600	PSIG @	150 *6	-425 °F	Ext Tube: 0.049/0.042	NPS 1-1/2 BW E	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT1500HHYVPxxxx
CT1500AxxVPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34	NF3 1-1/2	600	F310 @	150 F	-425 F	Valve body: 0.23/0.205	NF3 1-1/2 BWE	SA-479 316/316L; VITON; SA-320 B8, CL.1	EIIOUS Nev /	CITAGOUNTIALXXX
	MODEL CT (Acme)	BODY; STUBS;	ASME B31.3								SA-351 CF8M; SA-312 TP 316/316L;		
CT2 000HHYV Pxxxx	STRAIGHT-PATTERN	EXTENSION TUBE; FLANGE;		NPS 2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 2 BWE	SA-213 TP 316/316L: SA-182 F316/316L:	E11003 Rev 7	CT2000HHYVPxxxx
CT2 000AxxVPxxxx	GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34					, , ,	Valve body: 0.25/0.24		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CT4.00 ALILING CD	MODEL CT (Acme)	BODY; BONNET;	ASME B31.3						5 Tub 0.040/0.033		SA-351 CF8M; SA-479 316/316L;		
CT100AHHYCSPxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.033	NPS 1 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT1000HHYVPxxxx
CT100AxxYCSPxx	GLOBE VALVE	GASKET; BOLTS	ASM E B16.34						Valve body: 0.19/0.175		VITO N; SA-320 B8, CL.1		
CT150AHHYCSPxx	MODEL CT (Acme)	BODY; BONNET;	ASM E B31.3						Ext Tube: 0.049/0.042		SA-351 CF8M; SA-479 316/316L;		
CT150AAxxYCSPxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1-1/2	600	PSIG @	150 °F	-425 °F	Valve body: 0.23/0.21	NPS 1-1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT1500HHYVPxxxx
CITTO WATER AN	GLOBE VALVE	GASKET; BOLTS	ASME B16.34						ve.ve.essy. c.es/c.e1		VITO N; SA-320 B8, CL.1		
CT200AHHYCSPxx	MODEL CT (Acme)	BODY; BONNET;	ASME B31.3						Ext Tube: 0.049/0.042		SA-351 CF8M; SA-479 316/316L;		
CT200AAxxYCSPxx	ANGLE-PATTERN	EXTENSION TUBE; FLANGE;		NPS 2	600	PSIG @	150 °F	-425 °F	Valve body: 0.25/0.247	NPS 2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT2000HHYVPxxxx
	GLOBE VALVE	GASKET; BOLTS	ASME B16.34						• •		VITO N; SA-320 B8, CL.1		
CT100YHHYCSPxx	MODEL CT (Acme)	BODY; BONNET;	ASME B31.3	NIDS 4	500	DELE O	450.5	435.55	Ext Tube: 0.049/0.033	NDS 4 SWS	SA-351 CF8M; SA-479 316/316L;	544003 D 7	CTA COVILLINGED
CT100YAxxCSPxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;	ASME B31.12	NPS 1	600	PSIG @	150 F	-425 °F	Valve body: 0.288/0.172	NPS 1 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT100YHHYCSPxx
	VALVE MODEL CV (Acme)	GASKET; BOLTS BODY; BONNET;	ASME B16.34 ASME B31.3				+				VITO N; SA-320 B8, CL.1 SA-351 CF8M; SA-479 316/316L;		
CT150YHHYCSPxx	Y-PATTERN GLOBE		ASME B31.12	NPS 1-1/2	600	PSIG @	150 °E	-425 °F	Ext Tube: 0.049/0.042	NPS 1-1/2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT150YHHYCSPxx
CT150YAxxxCSPxx	VALVE	GASKET; BOLTS	ASME B16.34	3 1 1/2	000	13100	120 .	423 .	Valve body: 0.341/0.205	141311/23412	VITO N; SA-320 B8, CL.1	EIIOOS NEV /	C123011111C31 XX
	MODEL CV (Acme)	BODY; BONNET;	ASME B31.3								SA-351 CF8M; SA-479 316/316L;		
CT200YHHYCSPxx	Y-PATTERN GLOBE	EXTENSION TUBE; FLANGE;		NPS 2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.042	NPS 2 SWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT200YHHYCSPxx
CT200YAxxCSPxx	VALVE	GASKET; BOLTS	ASM E B16.34						Valve body: 0.341/0.240		VITO N; SA-320 B8, CL.1		
CT05YTYHHYVPxxxx	MODEL CT (Acme)	BODY; STUBS;	ASM E B31.3						5		SA-351 CF8M; SA-312 TP 316/316L;		
CT05YTYAxxVPxxxx	Y-PATTERN LOW	EXTENSION TUBE; FLANGE;	ASM E B31.12	NPS 1/2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.033 Valve body: 0.188/0.14	NPS 1/2 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT05 YTYHHYVP xxxx
CIUSTITAXXVEXXXX	FLOW GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34						Valve body. 0.188/0.14		SA-479 316/316L; VITON; SA-320 B8, CL.1		
CT07YTYHHYVPxxxx	MODEL CT (Acme)	BODY; STUBS;	ASM E B31.3						Ext Tube: 0.049/0.033		SA-351 CF8M; SA-312 TP 316/316L;		
CTO 7 YTYAxx VP xxxx	Y-PATTERN LOW	EXTENSION TUBE; FLANGE;		NPS 3/4	600	PSIG @	150 °F	-425 ° F	Valve body: 0.188/0.14	NPS 3/4 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT07TYHHYVPxxxx
2.2	FLOW GLOBE VALVE		ASME B16.34								SA-479 316/316L; VITON; SA-320 B8, CL.1		
CT10YTYHHYVPxxxx	MODEL CT (Acme)	BODY; STUBS;	ASME B31.3						Ext Tube: 0.049/0.033		SA-351 CF8M; SA-312 TP 316/316L;		
CT10YTYAxxVPxxxx	Y-PATTERN LOW	EXTENSION TUBE; FLANGE;		NPS 1	600	PSIG @	150 °F	-425 ° F	Valve body: 0.188/0.14	NPS 1 BWE	SA-213 TP 316/316L; SA-182 F316/316L;	E11003 Rev 7	CT10TYHHYVPxxxx
	FLOW GLOBE VALVE	BONNET; GASKET; BOLTS	ASME B16.34						,		SA-479 316/316L; VITON; SA-320 B8, CL.1		

ORIGINAL

UNLESS OTHERWISE SPECIFIED INTERPRET PER ASME Y14.5-2009	DESIGN BY	DMR	DATE 05/23/2011	Title:	L DECIST						
 THE FOLLOWING TOLERANCES APPLY: .XX: ±.01" .XXX: ±.005" FRACTIONS: ± 1/32" ANGLES" ±0.5° 	DRAWN BY	AJH	DATE 07/17/2023	SCOPE O		RATION - BE VALVES		Δ	CM	Fé	
2. ALL DIMENSIONS ARE INCHES.	CHECKED BY		DATE	000_	0 0	DE 17 (E 1 E 0					
3. REMOVE ALL BURRS AND SHARP EDGES .015 MAX	CHECKED BY	BL	DATE 07/20/2023					CRY	OGENI	<u> </u>	-
4. MACHINED SURFACE TO BE 125	APPROVED BY	DDII	DATE 00/04/2022	1				~ 11	O G L 14 1	~ ~	
MICR-INCHES OR BETTER.	AFFROVED BI	DRH	DATE 08/04/2023					PART	OF OPW a 10	WER COMO	anv
5. DO NOT SCALE DRAWING.									0. 0.11 4	a a mila	33.1)
THIRD ANGLE PROJECTION	CRYOGENICS, INC. AND IS I	NOT TO BE COPIED, REPRODUCED WRITTEN CONSENT OF ACME CR	HEREIN ARE CONSIDERED PROPRIETARY TO ACME 1, DUPLICATED OR DISCLOSED TO OTHER IN WHOLE OR IN 10GENICS, INC. THE DRAWING SHOULD BE RETURNED AS	P/N: SEE TA	ABLE			DWG NC). CRN-1060	/1080	
	SHOULD BE PROPERLY SAFE	EGUARDED AGAINST DISCLOSURE	URNISHED AND WHILE IN THE POSSESSION OF THE RECIPIENT TO ANYONE EXCEPT EMPLOYEES WHO REQUIRE IT FOR WORK IATION OR DATA CONTAINED HEREIN WHICH IS AVAILABLE TO	scale:N/A	Project No.	: E220040	В	SHEET:	SHEET 3 OF 8	REV.	K
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	DARTNO	PRODUCT DESCRIPTION	PRIMARY PRESSURI	-	SIZE OR		IGN PRES		MONAT	ACTUAL WALL THICKNESS	END CONNECTION & SIZE RANGE	ACRAE / ACTRA RA	IATEDIAI EDECISICATIONI	REF	DRAWING NO	
	CT05YTHHYxSPxx CT05YTAxxxSPxx	MODEL CT (Acme) Y-PATTERN LOW FLOW GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLAN GASKET; BOLTS	ASME B31.3	NPS 1/2		PSIG @		-425 °F	VS MIN REQUIRED Ext Tube: 0.049/0.033 Valve body: 0.188/0.14	NPS 1/2 SWE	SA-351 CF8N SA-213 TP 316/3	M; SA-479 316/316L; S16L; SA-182 F316/316L; SA-320 B8, CL.1	E11003 Rev 7	CTOSYTYHHYCSPxx	
	CT07YTHHYxSPxx CT07YTAxxxxSPxx	MODEL CT (Acme) Y-PATTERN LOW FLOW GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLAN GASKET; BOLTS	ASME B31.3	NPS 3/4	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.033 Valve body: 0.188/0.14	NPS 3/4 SWE	SA-351 CF8N SA-213 TP 316/3	M; SA-479 316/316L; 816L; SA-182 F316/316L; SA-320 B8, CL.1	E11003 Rev 7	СТО 7ТҮННҮСЅР хх	
	CT10YTHHYxSPxx CT10YTAxxxSPxx	MODEL CT (Acme) Y-PATTERN LOW FLOW GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLAN GASKET; BOLTS	ASME B31.3	NPS 1	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.049/0.033 Valve body: 0.188/0.14	NPS 1 SWE	SA-351 CF8N SA-213 TP 316/3	VI; SA-479 316/316L; \$16L; SA-182 F316/316L; SA-320 B8, CL.1	E11003 Rev 7	CT10TYHHYCSPxx	
B	81-2542-02594 81-2542-02601 81-2542-02605 88-2542-02874 88-2542-02881 88-2542-03645 78-2542-03650 78-2542-03655 78-2542-03371 78-2542-03372 78-2542-03373 78-2542-03505 78-2542-03510 78-2542-03515 78-2542-03181 78-2542-03181	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FLAN BONNET; GASKET; BOI	-	NPS 1/2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.083/0.033 Valve body: 0.19/0.155	NPS 1/2 BWE	SA-213 TP 304/3 SA-479 304/3	SA-312 TP 304/304L; 804L; SA-182 F304/304L; 804L; SB-283 C64210; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	B
Α	81-2542-02613 81-2542-02617 81-2542-02621 88-2542-02893 88-2542-02897 88-2542-03665 78-2542-03670 78-2542-03675 78-2542-03375 78-2542-03376 78-2542-03377 78-2542-03525 78-2542-03535 78-2542-03535 78-2542-03193 78-2542-03197 78-2542-03197	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FLAN BONNET; GASKET; BOI		NPS 3/4	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.083/0.033 Valve body: 0.19/0.156	NPS 3/4 BWE	SA-213 TP 304/3 SA-479 304/3	SA-312 TP 304/304L; 804L; SA-182 F304/304L; 804L; SB-283 C64210; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	A
							UNLESS	OTHERWISE SPECI	FIED	DESIGN BY DATE	Title:			ORI	GINAL	
							II THE XX: FRA 2. ALL I 3. REMM .015: 4. MACI MICE 5. DO N	THE PRESENCE SPECIAL STREET OF THE PRESENCE OF	ME Y14.5-2009 LANCES APPLY: LINGLES" ±0.5* ICHES. SHARP EDGES BE 125 R. G.	CHECKED BY BL DATE O	107/17/2023 SCC CR 107/17/2023 SCC CR 107/20/2023 SCC CR 107/20/2023 SCEED ROOPSELEVAN TO ACME SCEED ROOPSELEVAN TO ACME S	OPE OF REGIST YOGENIC GLC SEE TABLE	DBE VALVES DV	RYOGE	1060/1080	
		4			3		<u> </u>			The public generally.				1		_

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	PART NO.	PRODUCT DESCRIPTION	PRIMARY PRESSUR RETAINING COMPON	· ·	SIZE OR SIZE RANGE	1	GN PRESS		MDMT	ACTUAL WALL THICKNESS VS MIN REQUIRED	END CONNECTION & SIZE RANGE	ASME / ASTM MATERIAL SPECIFICATION	REF CALCULATION	DRAWING NO.	
В	81-2542-02634 81-2542-02640 81-2542-02644 88-2542-02914 88-2542-02920 88-2542-02924 78-2542-03690 78-2542-03695 78-2542-03379 78-2542-03380 78-2542-03381 78-2542-03555 78-2542-03555 78-2542-03520 78-2542-03220 78-2542-03224	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FLA BONNET; GASKET; BO		NPS 1	600	PSIG @	150 °F	-4 2 5 °F	Ext Tube: 0.083/0.033 Va Ive body: 0.20/0.174	NPS 1 BWE	SA-351 CF3; SA-312 TP 304/304L; SA-213 TP 304/304L; SA-182 F304/304L; SA-479 304/304L; SB-283 C64210; VITON; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	В
	81-2542-02671 81-2542-02679 81-2542-02683 88-2542-02951 88-2542-02955 88-2542-02958 78-2542-03705 78-2542-03710 78-2542-03715 78-2542-03383 78-2542-03385 78-2542-03385 78-2542-03575 78-2542-03575 78-2542-03575 78-2542-03250 78-2542-03258 78-2542-03262	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FLA BONNET; GASKET; BO	·	NPS 1-1/2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.083/0.042 Valve body: 0.22/0.212	NPS 1-1/2 BWE	SA-351 CF3; SA-312 TP 304/304L; SA-213 TP 304/304L; SA-182 F304/304L; SA-479 304/304L; SB-283 C64210; VITON; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	
							1NT 1. THE F .XX: ; FRAC 2. ALL DI 3. REMOV .015 M. 4. MACHI	OTHERWISE SPECIF TERPRET PER ASM FOLLOWING TOLERA 1011 "XOX: 1,022" AN INDENSIONS ARE INC. VE ALL BURRS AND IAX INDED SURFACE TO B INCHES OR BETTER OT SCALE DRAWING	IE Y14.5-2009 INCES APPLY: IGLES" ±0.5* CHES. SHARP EDGES BE 125	DRAWN BY AJH DATE OF CHECKED BY BL DATE OF CHECKED BY BL	07/17/2023 07/20/2023 08/04/2023	OPE OF REGISTRATION - YOGENIC GLOBE VALVES	ACI RYOGE PART OF OPW	/ а <mark>- воля</mark>] сотралу	>
	4			4 3				ANGLE PROJ	ECTION TO THE PROPERTY OF THE	CRYOGENICS, INC. AND IS NOT TO BE COPEID, REPRODUCED, INFLICATED OR DI PART WITHOUT THE PRIOR WRITTEN CONSENT OF AMOR ENCOPACING, INC. THE SOON AS IT HAS SERVED THE PURPOSES FOR WHICH IT IS RURNISHED AND WHILL SHAULD BE PROPERLY SEFECURATED AGAINST DISCOLORS TO ANYONE OCETY OR A DIB. THIS RESTRICTION SHALL NOT APPLY TO INFORMATION OR DATA CON-	LE IN THE POSSESSION OF THE RECIPIENT EMPLOYEES WHO REQUIRE IT FOR WORK WITAINED HEREIN WHICH IS AVAILABLE TO		WG NO. CRN- HEET: SHEET 5		

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	PART NO.	PRODUCT DESCRIPTION	PRIMARY PRESSU	•	SIZE OR SIZE RANGE		GN PRES		MDMT	ACTUAL WALL THICKNESS VS MIN REQUIRED	END CONNECTION & SIZE RANGE	ASME / ASTM M	IATERIAL SPECIFICATION	REF CALCULATION	DRAWING NO.	
В	81-2542-02701 81-2542-02710 81-2542-02714 88-2542-02964 88-2542-02967 88-2542-02970 78-2542-03735 78-2542-03735 78-2542-03387 78-2542-03388 78-2542-03389 78-2542-03585 78-2542-03595 78-2542-03595 78-2542-03292 81-2542-03292	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FL BONNET; GASKET; B	ASME B31.3 NGE; ASME B31.12	NPS 2		PSIG @		-425 °F	Ext Tube: 0.083/0.051 Va lve body: 0.25/0.247	NPS 2 BWE	SA-351 CF3; SA-213 TP 304/3 SA-479 304/3	SA-312 TP 304/304L; 804L; SA-182 F304/304L; 804L; SB-283 C64210; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	В
	81-2542-02729 81-2542-02730 81-2542-02731 81-2542-02732 88-2542-02973 88-2542-02976 88-2542-02979 88-2542-02982 78-2542-03740 78-2542-03750 78-2542-03755 78-2542-03755 78-2542-03390 78-2542-03391 78-2542-03392 78-2542-03393 78-2542-03600 78-2542-03610 78-2542-03615	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FL BONNET; G ASKET; B	ASME B31.3 NGE; ASME B31.12 DLTS ASME B16.34	NPS 3	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.188/0.074 Valve body: 0.313/0.281	NPS 3 BWE	SA-213 TP 304/3 SA-479 304/3	SA-312 TP 304/304L; 804L; SA-182 F304/304L; 804L; SB-283 C64210; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	
A							IN 1. THE FACE 2. ALL DI 3. REMO 0.15 M 4. MACH MICR 5. DO NO	OTHERWISE SPECIFI TERPRET PER ASM OLLOVING TOLERA 0.01° XXX: 1.005° TOLLOVING TOLERA 1.01° XXX: 1.005° TOLLOVING TOLERA TOLLOVING TOLL	E Y14.5-2009 NCES APPLY: GLES" ±0.5* HES. SHARP EDGES E 125	CHECKED BY BL DATE O	17/17/20/23 17/20/2023 18/04/2023 18/04/2023 18/04/2023 18/04/2023 18/04/2028 18/04/2028 18/04/2028 18/04/2028 18/04/2028 18/04/2028 18/04/2028 18/04/2028 18/04/2028	OPE OF REGIST (OGENIC GLC SEE TABLE E:N/A Project No	DBE VALVES DV	ACI	1060/1080	A
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	PART NO.	PRODUCT DESCRIPTION	PRIMARY PRESSURE RETAINING COMPONENT				GN PRES		MDMT	ACTUAL WALL THICKNESS VS MIN REQUIRED	END CONNECTION & SIZE RANGE	ASME / ASTM M	ATERIAL SPECIFICATION	REF CALCULATION	DRAWING NO.	
В	81-2542-02751 81-2542-02752 81-2542-02754 88-2542-02985 88-2542-02988 88-2542-02991 88-2542-02994 78-2542-03760 78-2542-03770 78-2542-03775 78-2542-03394 78-2542-03395 78-2542-03397 78-2542-03397 78-2542-03620 78-2542-03630 78-2542-03635	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 4	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.188/0.088 Valve body: 0.375/0.314	NPS 4 BWE	SA-213 TP 304/3 SA-479 304/3	A-312 TP 304/304L; 04L; SA-182 F304/304L; 04L; SB-283 C64210; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	В
	81-2542-02571 88-2542-02851 78-2542-03640 78-2542-03370 78-2542-03501 78-2542-03151	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLANGE; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1/2	600	PSIG @	150 °F	-425 °F	Ext Tube: 0.083/0.033 Valve body: 0.19/0.155	NPS 1/2 SWE	SA-213 TP 316/3	1; SA-479 316/316L; 16L; SA-182 F316/316L; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	
	81-2542-02609 88-2542-02889 78-2542-03660 78-2542-03374 78-2542-03520 78-2542-03189	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLANGE; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 3/4	600	PSIG @	150 °F	-425 ° F	Ext Tube: 0.083/0.033 Valve body: 0.19/0.156	NPS 3/4 SWE	SA-213 TP 316/3	1; SA-479 316/316L; 16L; SA-182 F316/316L; A-320 B8, CL.1	E11003 Rev 7	81-2542-02571	
	81-2542-02625 88-2542-02905 78-2542-03680 78-2542-03378 78-2542-03540 78-2542-03205	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLANGE; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1	600	PSIG @	150 °F	-425 ° F	Ext Tube: 0.083/0.033 Valve body: 0.20/0.174	NPS 1 SWE	SA-213 TP 316/3	1; SA-479 316/316L; 16L; SA-182 F316/316L; SA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	
	81-2542-02648 88-2542-02928 78-2542-03700 78-2542-03382 78-2542-03560 78-2542-03228	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLANGE; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1-1/2	600	PSIG @	150 °F	-425 ° F	Ext Tube: 0.083/0.042 Valve body: 0.22/0.212	NPS 1-1/2 SWE	SA-213 TP 316/3	1; SA-479 316/316L; 16L; SA-182 F316/316L; iA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	
Α	81-2542-02687 88-2542-02961 78-2542-03720 78-2542-03386 78-2542-03580 78-2542-03266	V-SERIES (CVI) STRAIGHT-PATTERN GLOBE VALVE	BODY; BONNET; EXTENSION TUBE; FLANGE; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 2	600	PSIG @	150 °F	-425 * F	Ext Tube: 0.083/0.051 Valve body: 0.25/0.247	NPS 2 SWE	SA-213 TP 316/3	1; SA-479 316/316L; 16L; SA-182 F316/316L; iA-320 B8, CL.1	E11003 Rev 7	81-2542-02571	A
							IN 1. THE .XX: FRACA 2. ALL D 3. REMO015 M 4. MACH MICR 5. DO N THII	OTHERWISE SPECII ITERPRET PER ASI FOLLOWINS TOLER: 1,101", XXX: 2,105" TIONS: 1,152" AI MINENSIONS ARE INI VIE ALL BURRS AND AX HINDS SURFACE TO 1 -INCHES OR BETTER OT SCALE DRAWING RD ANGLE PRO.	ME Y14.5-2009 LANCES APPLY: LINGLES" ±0.5° ICHES. SHARP EDGES BE 125 R. G.	CHECKED BY BL DATE C	07/17/20/23 07/20/2023 08/04/2023 088/04/2023 088/04/2023 088/04/208	OPE OF REGIST (OGENIC GLO SEE TABLE E:N/A Project No	BE VALVES C	ACI	1060/1080	
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		PRIMARY PRESSURE	ASME / ANSI	SIZE OR	SIZE OR DESIGN PRESSURE				ACTUAL WALL THICKNESS	END CONNECTION	REF		
PART NO.	PRODUCT DESCRIPTION	RETAINING COMPONENT	DESIGN STANDARD	SIZE RANGE	@ MAX	TEMPER	ATURE	MDMT	VS MIN REQUIRED	& SIZE RANGE	ASME / ASTM MATERIAL SPECIFICATION	CALCULATION	DRAWING NO.
CV050PHHYVPxxxx CV050PAxxVPxxxx	MODEL CV (Acme) STRAIGHT-PATTERN GLOBE VALVE W/ RISER		ASME B31.3 ASME B31.12 ASME B16.34	NPS 1/2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.035/0.028 Valve body: 0.15/0.15	NPS 1/2 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV050PHHYVPxxxx CV050PAxxVPxxxx
CV100PHHYVPxxxx CV100PAxxVPxxxx	MODEL CV (Acme) STRAIGHT-PATTERN GLOBE VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1	600 P	SIG@	150 °F	-4 2 5 °F	Ext Tube: 0.049/0.033 Valve body: 0.19/0.165	NPS 1 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV100PHHYVPxxxx CV100PAxxVPxxxx
CV150PHHYVPxxxx CV150PAxxYVPxxxx	MODEL CV (Acme) STRAIGHT-PATTERN GLOBE VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1-1/2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.042 Valve body: 0.23/0.205	NPS 1-1/2 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV150PHHYVPxxxx CV150PAxxYVPxxxx
CV200PHHYVPxxxx CV200PAxxYVPxxxx	MODEL CV (Acme) STRAIGHT-PATTERN GLOBE VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.042 Valve body: 0.25/0.24	NPS 2 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV200PHHYVPxxxx CV200PAxxYVPxxxx
CV050PAXXVP-CHK	MODEL CV (Acme) STRAIGHT-PATTERN CHECK VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1/2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.035/0.028 Valve body: 0.15/0.15 Bonnet: 0.375/0.164	NPS 1/2 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV050PAXXVP-CHK
CV100PAXXVP-CHK	MODEL CV (Acme) STRAIGHT-PATTERN CHECK VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.033 Valve body: 0.19/0.165 Bonnet: 0.315/0.201	NPS 1 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV100PAXXVP-CHK
CV150PAXXVP-CHK	MODEL CV (Acme) STRAIGHT-PATTERN CHECK VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1-1/2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.042 Valve body: 0.23/0.205 Bonnet: 0.375/0.248	NPS 1-1/2 BW E	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV150PAXXVP-CHK
CV200PAXXVP-CHK	MODEL CV (Acme) STRAIGHT-PATTERN CHECK VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.042 Valve body: 0.25/0.24 Bonnet: 0.625/0.28	NPS 2 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	CV200PAXXVP-CHK
YV100PHHYVPxxxxx YV100PAxxVPxxxx	MODEL CV (Acme) Y-PATTERN GLOBE VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.033 Valve body: 0.288/0.172	NPS 1 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	YV100PHHYVPxxxxx YV100PAxxVPxxxx
YV150PHHYVPxxxx YV150PAxxVPxxxx	MODEL CV (Acme) Y-PATTERN GLOBE VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 1-1/2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.042 Valve body: 0.341/0.205	NPS 1-1/2 BW E	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	YV150PHHYVPxxxx YV150PAxxVPxxxx
YV200PHHYVPxxx YV200PAxxVPxxxx	MODEL CV (Acme) Y-PATTERN GLOBE VALVE W/ RISER	BODY; STUBS; EXTENSION TUBE; FLANGE; BONNET; GASKET; BOLTS	ASME B31.3 ASME B31.12 ASME B16.34	NPS 2	600 P	SIG@	150 °F	-425 °F	Ext Tube: 0.049/0.042 Valve body: 0.341/0.240	NPS 2 BWE	SA-351 CF8M; SA-312 TP 316/316L; SA-213 TP 316/316L; SA-182 F316/316L; SA-479 316/316L; VITON; SA-320 B8, CL.1	E11003 Rev 7	YV200PHHYVPxxx YV200PAxxVPxxxx

ORIGINAL

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UNLESS OTHERWISE SPECIFIED	DESIGN BY	D. 4 D	DATE 05 (00 (00 1 1	Title:						•		
INTERPRET PER ASME Y14.5-2009		DMR	05/23/2011	SCOPE C	OF DECISE	A TIONI					_	
 THE FOLLOWING TOLERANCES APPLY: .XX: ±.01" .XXX: ±.005" FRACTIONS: ± 1/32" ANGLES" ±0.5 	DRAWN BY	AJH	DATE 07/17/2023		OF REGISTE FNIC GLOI	RATION - BE VALVES		ΔC	⁻ M	F -3		
2. ALL DIMENSIONS ARE INCHES.	CHECKED BY	D BY DI DATE 07 (00 (00		CKIOOL	INC OLO	C OLOBE VALVES						
3. REMOVE ALL BURRS AND SHARP EDGES .015 MAX	CHECKED BY	BL	DATE 07/20/2023					CRYO	GENI	CS	-	
 MACHINED SURFACE TO BE 125 MICR-INCHES OR BETTER. 	APPROVED BY	DRH	DATE 08/04/2023						орw a 10		anv	
5. DO NOT SCALE DRAWING.								rani vi		on in	wiy	
THIRD ANGLE PROJECTION	PART WITHOUT THE PRIOR WRITTEN CONSENT OF ACME CRYOGENICS, INC. THE DRAWING SHOULD BE RETURN				P/N: SEE TABLE				DWG NO. CRN-1060/1080			
	SHOULD BE PROPERLY SAFE				Project No.:	: E220040	В	SHEET: SH	EET 8 OF 8	REV.	K	