



345 Carlingview Drive
Toronto, Ontario M9W 6N9
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Toll Free: 1.877.682.8772

www.tssa.org

October 6, 2025

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14730786
Your Reference No.: R-1849 Asahi
Registered to: ASAHI/AMERICA 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 : 0A26177.5
Main Design No.: SCOPE OF CRN "PART OF CRN"
Expiry Date: Oct 06, 2035

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

SCOPE OF CRN "PART OF CRN"

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,

Charley Dong
Engineer, BPV
Tel. : +1 416-734-3436
Email : cdong@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, Alex Gambino, Director of Technical Services

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ASAHI AMERICA INC.

(Name of Manufacturer)

Located at 655 Andover Street, Lawrence, MA, 01843

(Plant Address)

(Telephone No.)

(Fax No.)



do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;



or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO: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 CATEGORY A type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS, MANUFACTURING LOCATIONS

(drawings, calculations, test reports, etc.)

Declared before me at _____ in the CITY of LAWRENCE, MASSACHUSETTS
the 15 day of July AD 2025

Commissioner for Oaths:

RICHARD L. MANSFIELD
Notary Public - New Hampshire
My Commission Expires September 23, 2025

RICHARD L. MANSFIELD
(Printed name)

(Signature)

(Signature of Declarer)

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 A.

CRN: 0A26177.5

Registered by: Charley Dong

Dated: Oct.6, 2025

NOTE: This registration expires on: Oct.6, 2035

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0A26177.5

Signed: Charley Dong

Date: October 6, 2025.

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

ASAHI AMERICA INC.

655 ANDOVER STREET,
LAWRENCE, MA.,
01843, USA



THIS IS PART OF CRN

0A26177.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

July 14, 2025

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Description	Design Code	Material	Code	SDR	Fittings	Size	Pressure-Temperature Ratings	MDT	Design Report
Butt Welding and Socket Weld Fittings	ASME B31.3	PE 100-RC Polyethylene	068	11	Multi-Bend 90°	20mm thru 160mm	150 psig at 68°F, 97 psig at 122°F / 10.34 barg at 20°C, 6.69 barg at 50°C	50°F / 10°C	AGRU R-1849 Rev. 0
			060	11	Elbow 45°	20mm thru 160mm			
			066	11	Tee	20mm thru 160mm			
			065	11	Tee Reduced	63x32mm thru 160x110mm			
			064	11	End Cap	20mm thru 160mm			
			067	11	Reducer Concentric	25x20mm thru 160x140mm			
			069	11	Reducer Eccentric	25x20mm thru 160x140mm			
			001	11	Bend 90°	63mm thru 160mm			
			006	11	Tee	20mm thru 160mm			
			009	11	Reducer Concentric	25x20mm thru 160x140mm			
			007	11	Reducer Concentric	63x16mm thru 160x110mm			
			012	11	Stub Flange ANSI	20mm thru 63mm			
			024.0	11	Union Type 24	63mm			
			032	11	Adapter Female Thread	20mm			
			033	11	Adapter Male Thread	20mm			
			051	7.4	Elbow 90°	20mm thru 110mm			
			050	7.4	Elbow 45°	20mm thru 110mm			
			056	7.4	Tee	20mm thru 110mm			
			055	7.4	Tee reduced	25x20mm thru 63x50mm			
			053	7.4	Socket	20mm thru 110mm			
			054	7.4	End Cap	20mm thru 110mm			
			057	7.4	Reducer Concentric	25x20mm thru 110x90mm			
			024.1	7.4	Union Type 24	20mm thru 63mm			
			034	7.4	Adapter Female Thread	20mm			
			013	11	Backing Ring ANSI	20mm thru 63mm			

Notes:

- 1) MDT = Minimum Design Temperature.
- 2) Pressure-Temperature ratings are applicable to fittings that are installed using PE 100-RC SDR 11 minimum thickness pipe.
- 3) See attached Worldwide Locations Appendix for the manufacturing locations applicable to this CRN.



WORLDWIDE LOCATIONS APPENDIX

ASAHI AMERICA INC. MANUFACTURING LOCATIONS & CERTIFYING AUTHORITIES

(rev. July 14, 2025)

In addition, in accordance with CSA B51 paragraph 5.4.2.3 Asahi America Inc. is taking responsibility for the product covered under this CRN that is manufactured at:

AGRU Kunststofftechnik GmbH
A-4540 Bad Hall, Ing.- Pesendorferstrasse 31

Plant 1

Grünburgerstr. 41 – 4540 Bad Hall – Österreich

Plant 2

Ing. Pesendorferstr. 31 – 4540 Bad Hall – Österreich

Plant 3

Ing. Pesendorferstr. 31 – 4540 Bad Hall – Österreich

Plant 4

Ing. Pesendorferstr. 31 – 4540 Bad Hall – Österreich

Plant 5

Ing. Pesendorferstr. 31 – 4540 Bad Hall – Österreich

ISO 9001 Certified by Quality Austria