

ATTN: SCOTT ISLIP -
ROUND ENGINEERING INC.
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Date: 30-Jun-2026
TSBC Account #: 062478
TSBC Admin Number: 125619
Canadian Registration Number: 0A26177.51

Re: Application for Design Registration

The design, as detailed in your Design Portal application R-1849 Asahi for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Asahi America Inc.
Project Name:	R-1849 Asahi
Drawing #:	Report R-1849
Drawing Revision:	0

Conditions of Registration:

(1) Fitting Registration Expiry Date: 06-Oct-2035 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsaftybc.ca.

The Engineering Information Management Team

ASAHI AMERICA INC.

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



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