

February 28, 2023

Attention: Sydney Haen
API HEAT TRANSFER
BASCO DIVISION
2777 WALDEN AVENUE
BUFFALO, NY 14225

The design submission, Tracking Number 2023-01167, Web Portal Number 2023-S0674, originally received on February 24, 2023 was surveyed and accepted for registration as follows:

CRN : Z8120.2 **Accepted on:** February 28, 2023
Reg Type: NEW DESIGN
Drawing No. : 1510-08-072-037 Rev 1

Description	MAWP	Design Temperature	MDMT
TS Internal Pressure	1034kPa	149 °C	-7 °C
SS Internal Pressure	2068kPa	149 °C	-7 °C

The registration is conditional on your compliance with the following notes:

- Acceptance is based on the nozzles not passing through the weld seam and with :
tube expansion depth ratio of 0.86", gasket OD of 9.625" and DI of 8.875".
- Exposed inside edges shall be chamfered or rounded per UG-76-C.

- This design is registered without a User Design Requirements form (UDR) based on the understanding that the conditions listed in U-2(a)(2) are not applicable.

Please note that the depth of the threads for the openings in the covers should be a minimum according to ASME B1.20.1.

- This heat exchanger design has been evaluated for mean metal temperature of 163.7[deg. F] (Shell Side) and 114.2[deg.F] (Tube Side). It shall be reevaluated for conditions outside this range before being operated at them

The above notes shall be listed on form U-5 of the MDR.

This vessel may not be pressurized when its temperature is colder than -7 [deg.C]. This note to appears on MDR.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3335 or fax (780) 437-7787 or e-mail Dedovic@absa.ca.

Sincerely,



DEDOVIC, BLAZO, M. Eng.
DOP Cert. No. D00005642