

MANUFACTURER'S DATA REPORT

REPORT No:- MDR 19425A




1 TITLE OF VESSEL / COMPONENT: DIMPLEFLO HEAT EXCHANGER - 1U 130T 19 323 500 I
 2 MANUFACTURED BY: TERALBA INDUSTRIES PTY LTD
 15-19 KIALBA ROAD - CAMPBELLTOWN N.S.W. 2560 - Ph (02) 4629 3000
 3 MANUFACTURED FOR: ~~XXXXXXXXXX~~
 4 LOCATION OF INSTALLATION: ~~XXXXXX~~
 5 DESIGN APPROVAL: WorkSafe NSW Design Registration PV 6-242038/20
 6 MANUFACTURERS SERIAL No.: DFT 19425A INTERNAL VOLUME: 54.00 Litres; Tube(s)
 7 LOCATION OF REGISTRATION No.: VESSEL NAMEPLATE (Per Module) 19.40 Litres; Shell
 8 TYPE: VERTICAL TUBE IN TUBE HEAT EXCHANGER AS 4343 - 2014 Hazard Level D
 9 DRAWING No.: DFT19425A-GA-1
 10 DESIGN PRESS.: Tube Side 120 kPa Shell 600 kPa
 11 DESIGN TEMP.: Tube Side 140 °C Shell 140 °C
 12 PRESSURISING MEDIUM: Tube Side ETHANOL Shell STEAM
 13 UNIT LENGTH: Tube Side 500 mm Shell 500 mm

14	MATERIAL DESCRIPTION	MATERIAL SPECIFICATION	CERT. No	HEAT No
	Shell 323.9 x 4.57 mm	ASTM A312 - 316/316L	B1/2148	VBL034370
	HX Tubes 19.05 x 1.6 mm	ASTM A269 - TP316/316L	B9/1260	552572
	Tube Plates	ASTM A240 - 316/316L	A1/1049	SD37610
	Primary Connection DN150 ANSI 150#	ASTM A182 - F316/316L	B2/1838	19B35
	Primary Connection DN150 Pipe Stub	ASTM A312 - 316/316L	B1/2077	ALH070326
	Primary Connection DN25 ANSI 150#	ASTM A182 - F316/316L	B2/1839	111696
	Primary Connection DN40 ANSI 150#	ASTM A182 - F316/316L	B2/1840	111707
	Primary Connections DN25 Pipe	ASTM A312 - 316/316L	B1/2092	VBK102065
	Primary Connections DN25 Pipe Bends	ASTM A403 - WP316/316L	B3/703	CLE070193
	Primary Connections DN25 Pipe Tee	ASTM A403 - WP316/316L	B5/135	1012541
	Primary Connection Reducer 40-25	ASTM A403 - WP316/316L	B6/271	179413Y67
	Secondary Connection DN65 ANSI 150#	ASTM A182 - F316/316L	B2/1835	19B18
	Secondary Connections DN65 Pipe Stub	ASTM A312 - 316/316L	B1/1701	VLK111936
	Secondary Connections DN32 ANSI 150#	ASTM A182 - F316/316L	B2/1844	TH24536
	Secondary Connections DN32 Pipe Stub	ASTM A312 - 316/316L	B1/2151	AON070346
	Channel Flanges DN300 ANSI 150#	ASTM A182 - F316/316L	B2/1837	18F92
	Channel Cap DN300	ASTM A403 - WP316/316L	B8/476	1815307
	Channel Plate	ASTM A240 - 316/316L	A1/1059	SD40995
	Baffles	ASTM A240 - 316/316L	A5/637	A0902801
	Baffle Rods	ASTM A479- 316	A3/1463	5G478
	Flush Nozzle Tube	AS 1528.1 - 316/316L	B9/1288	TBL011099
	Flush Nozzle Bend	AS 1528.3 - 316/316L	B3/681	---
	Flush Nozzle TC Connection	ASTM A182 - TP316	B14/347	CT19080625

15 SUPPORT: Type: WALL Number: TWO Location: TUBE PLATES 
 16 WELDER QUALIFICATION &/OR CERTIFICATION: U. Jung (WID:07)
 17 WELD PROCEDURE: C1/6 and C1/24 Weld Reviewed: 
 18 TEST PRESSURE: Inner (Tubes) 220 kPa Outer (Shell) 1100 kPa Test Date: 21/01/2020 Witnessed: 
 19 SAFETY DEVICE: No: BY OTHERS Location: TBA

20 NAME PLATE MARKINGS:



Dimpleflo
TUBULAR HEAT EXCHANGERS

Model 1U 130T 19 323 500 I	Equipment No: HEX4500
Serial No. DFT 19425A	Date: 01/2020
Inner DP 120 kPa	Test Pressure 220 kPa
Outer DP 600 kPa	Test Pressure 1100 kPa
Design Temp. Inner 140 °C	Design Temp. Outer 140 °C
APP. No. PV 6-242038/20	CODE AS1210

21 CERTIFICATE OF MANUFACTURE: I certify the data in this report covering material, construction and workmanship is correct.

(Manufacturer) TERALBA INDUSTRIES PTY LTD - CAMPBELLTOWN - NSW

Signed:   6/04/2020

22 INSPECTION AUTHORITY: Teralba Industries P/L - Certified to AS/NZS ISO9001:2015 - CACS Registration Number 1341