



WELDING CATALOGUE

PROJECT NO : C290222		CATALOGUE NO : WC-C290222-REV 00										
VESSEL TYPE : RVT A 19		DATE : 03.11.2017										
DRAWING NO: : HC002573		Rev.A										
Weld No	Location of Weld	WPS No.& Rev No	Welding Process	Filler Metal AWS Specification (including brand name)	Preheat temperature (min) / Inter pass temperature (Max) (°C)	Impact test Temperature (°C)	Base metal thickness range		NDE Requirements			
							(T1)	(T2)	BCS		ACS	
									RT	PT (Root)	PT (Final)	RT (Final)
D1, D2, D3, D4 & D5	Nozzle to top Dish end	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	8.0mm	2.77mm, 3.68mm	Nil	100% (BG)	Nil	100%
D7, D8, D9,D10, D11 & D12	Nozzle to Bottom Dish end	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	8.0mm	2.77mm, 3.68mm	Nil	100% (BG)	Nil	100%
M1a & M1b	Main support plate to Shell	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	6.7mm	6mm	Nil	Nil	Nil	100%
M2a, M2b & M2c	Lifting lug to Dish end	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	8.0mm	12mm	Nil	Nil	Nil	100%
M4a to M4f	Pipe support rod to Shell	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	6.7mm	6mm	Nil	Nil	Nil	100%
M5a to M5h	Support for absorbant bag to Dish end	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	8.0mm	6mm	Nil	Nil	Nil	100%
M7a to M7d	Name Plate Support rod to Top Dish end	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	8.0mm	6.0mm	Nil	Nil	Nil	100%
M7e to M7h	Name Plate to Support Rod	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	6.0mm	1.0mm	Nil	Nil	Nil	100%
M3a & M3b	Back strip to shell (Top and Bottom)	WPS/CAP-017 Rev 0	GTAW	ER 308L (TIG-120)	16°C / 150°C	-196°C	10.0mm	6.7mm	Nil	Nil	Nil	Nil

Note:

- 1) For all Category A joints, the reinforcement shall not exceed 10% of the plate thickness or 3 mm, whichever is less. For all category B joints, the reinforcement shall not exceed 4.0mm, weld edges shall be merged smoothly in to the base metals.
- 2) For GTAW Process, use Filler Wire Brand: Ador Fontech Limited
- 3) For tack welding use WPS No: WPS/CAP-017 (Rev 00)
- 4) For repair welding use WPS No: WPS/CAP-017 (Rev 00)
- 5) Repair on base material shall not be done without AI concurrence.
- 6) All temporary attachment removal area shall be PT examined
- 7) Production Test Coupon not required as per UHA 51 (h) (2) & Mandatory Appendix 44-6.1 (g) (3)
- 8) If the Head contain long seam, (Seam less) (Cat - 'A') welds and all attachments including head to nozzle welds shall be PT examined after Cold Stretch process.
- 9) If any rejectable defects are detected in the PT Examination of Category A joints and attachment welds then, all category B weld joints shall be examined.

BCS - Before Cold Stretch

ACS - After Cold Stretch

BG - After backgrinding to sound weld metal

ENGINEER WELDING

PREPARED BY

MANAGER QC

REVIEWED & APPROVED BY

REVIEWED BY

PV(R) 444

19/01/2005

INSPECTOR

