



**DESIGN PARAMETERS**  
 NSW APPROVAL: PV 6-89596/06  
 DESIGN CODE: AS1210:1997  
 CLASS OF CONSTRUCTION: 3  
 DESIGN PRESSURE: 1.750 MPa  
 DESIGN TEMPERATURE max : 200 °C  
 DESIGN TEMPERATURE min : -10 °C

**CORROSION ALLOWANCE: 0.75 mm**  
 TEST PRESSURE: 2.625 MPa  
 APPROVED DRAWING: MEAR 277  
 DISHED END TYPE: TORISPHERICAL

**MATERIAL SPECIFICATIONS**  
 CYLINDRICAL SHELL: 8 MM THICK AS1548-7-460  
 DISHED END: 8 MM THICK AS1548-7-460  
 PIPING: N/A  
 COUPLINGS: ASTM A105 TO BS3799  
 INSPECTION SOCKET GASKETS: RUBBER O-RING  
 NON-PRESSURE PARTS: AS3679-250

**SURFACE TREATMENT**  
 INTERNAL- NIL AS FABRICATED  
 EXTERNAL- ABRASIVE BLASTED AS1627.4 Class 2.5  
 MIN 60µm POWDER COAT PRIMER  
 MIN 60µm POWDER COAT TOP COAT-NOTRE DAME GREY

PROPERTIES	SPECIFICATION
NOMINAL DRY MASS	425 kg
NOMINAL VOLUME	953 L
SUPPORT LEG TYPE	3 OFF 75x75x8 EQUAL ANGLE LEGS @120°
FOOT PLATES	3 OFF 100X100x8
ANCHOR BOLT SLOTS	3 OFF Ø18x32 SLOT/ 710mm PCD
LIFTING EYE	2 OFF 10x100x70 / Ø38 EYE

NOZZLE USE	QTY	TAG	SIZE	STANDARD	CLASS/TYPE
INLET	2	N1	50	BS3799	BSP/T/F
OUTLET	2	N2	50	BS3799	BSP/T/F
DRAIN	1	N3	15	BS3799	BSP/T/F
SAFETY VALVE	1	N4	25	BS3799	BSP/T/F
PRESSURE GAUGE	1	N5	10	BS3799	BSP/T/F
SPARE	1	N6	15	BS3799	BSP/T/F
INSPECTION SOCKET	2	G1	50	AS1210 Fab	BSP/F/Plug

- NOTES:**
- 1- All dimensions are ±5mm unless noted otherwise
  - 2- Nozzle N3 to be welded and ground flush inside
  - 3- Nozzle N1 & N2 to have min 8mm internal protrusion
  - 4- Longitudinal seams weld- V butt preparation
  - 5- Circular seam welds- V butt + in service backing bar
  - 6- All Nozzles welded in & out
  - 7- Internal surface to be clean & inspected post hydrostatic testing

Atlas Copco 1000L All Divisions Air Receiver			Approved By		Date	
Main Design A.Denaro	Checked by FAZAL	Approved by - date SGS-06/2006	Part Number by - date BP 19-03-2021	Filename 277V1800-All	Date 19-03-2021	Scale N.T.S.
1000L VAR 1280860376				Revision 0	Sheet 1/1	
277V1800-All						

ALAN MILES1666 PRESSURE EQUIPMENT MANUFACTURERS  
 TEL: 01-2-4444-5777 FAX: 01-2-4444-5983  
 30 FOX ST MARLBOROUGH NSW 2567, AUSTRALIA