



Corp R&amp;D

## AIR RECEIVER

SHEET

2 of 2

## BILL OF MATERIAL

ITEM No.	DESCRIPTION	MATERIAL	QTY. (Nos)
1	SHELL ROLLED PLATE 10Thk.	SA515 Gr70	1
2	TORISPHERICAL(10%) DISHED END 10Thk	SA515 Gr70	1
3	PIPE NB 80xSch40	SA 106GrB	6
4	FLANGE SORF NB 80, CL150 ANSI B16.5	SA 105	6
5	HALF COUPLING 1/2" NPT(F) 3000#	SA 105	1
6	HALF COUPLING 1/2" BSP(F) 3000#	SA 105	1
7	PIPE NB 40 x Sch 40	SA 106 GrB	1
8	PIPE NB 25 xSch 40	SA 106 GrB	1
9	90° ELBOW, NB 25 3000#	SA 105	1
10	FLANGE SORF NB 25 CL150 ANSI B16.5	SA 105	1
11	PLATE 100 WIDE x 10Thk	SA 36	2
12	SADDLE PLATE 10 Thk	SA 36	2
13	BASE PLATE 580 x 100 x 20 Thk	SA 36	2
14	SADDLE RIB 420 x 75 x 10Thk	SA 36	4
15	SADDLE RIB 300 x 75 x 10Thk	SA 36	4
16	LIFTING LUG 20 Thk	SA 36	2

## NOZZLE DATA

NOZZ	SIZE	SERVICE
N1	NB 40	INLET
N2	NB 80	PREHEATING AIR
N3	NB 80	FLUIDIZED AIR
N4	NB 80	TRANSPORT AIR
N5	NB 80	PRESSURIZATION
N6	NB 80	VENT
N7	NB 80	SAFETY VALVE
N8	NB 15	PRESSURE GAUGE
N9	NB 15	TEMPERATURE GAUGE
N10	NB 25	DRAIN

NOTES:-

- All welds shall be neat in appearance, free of slag and other defects
- Vessel to be cleaned of scale, oil, weld splatter and all foreign material prior to hydraulic test
- remove all sharp corners
- All nozzles shall project 100mm out side
- Flange bolt holes to straddle centre line
- All welds shall be DP tested
- All Nozzle flanges to be supplied with companion flanges
- Two coats of red oxide to be painted
- Vessel to be hydraulic tested to 8 kg/cm<sup>2</sup>(g)

ALL DIMENSIONS ARE IN mm

Proj. 3ata APFBG	Drn: Titus	Chd: NSRK	Drg. No.	Rev
	Date: 19-06-15	Appd: DSM Rao	4-QYN-14-686-010	01