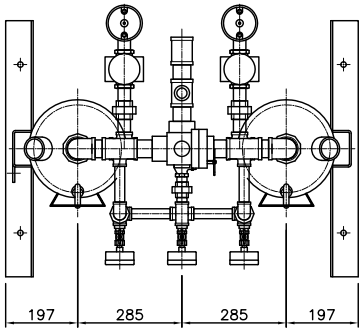
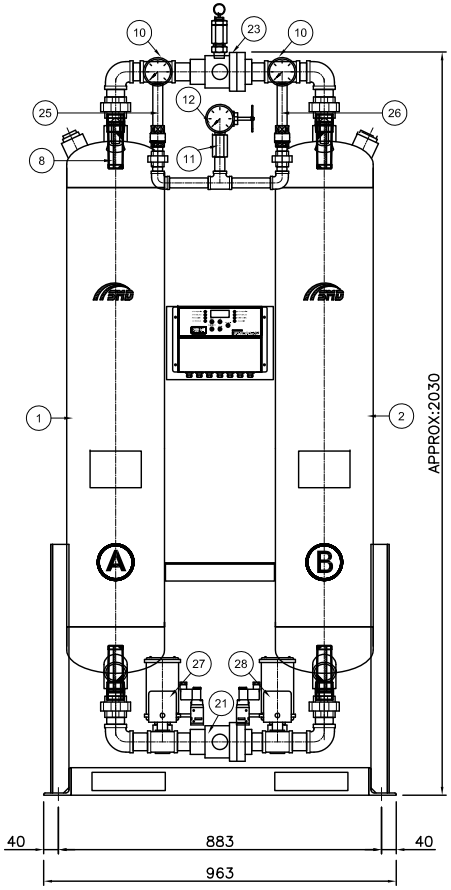
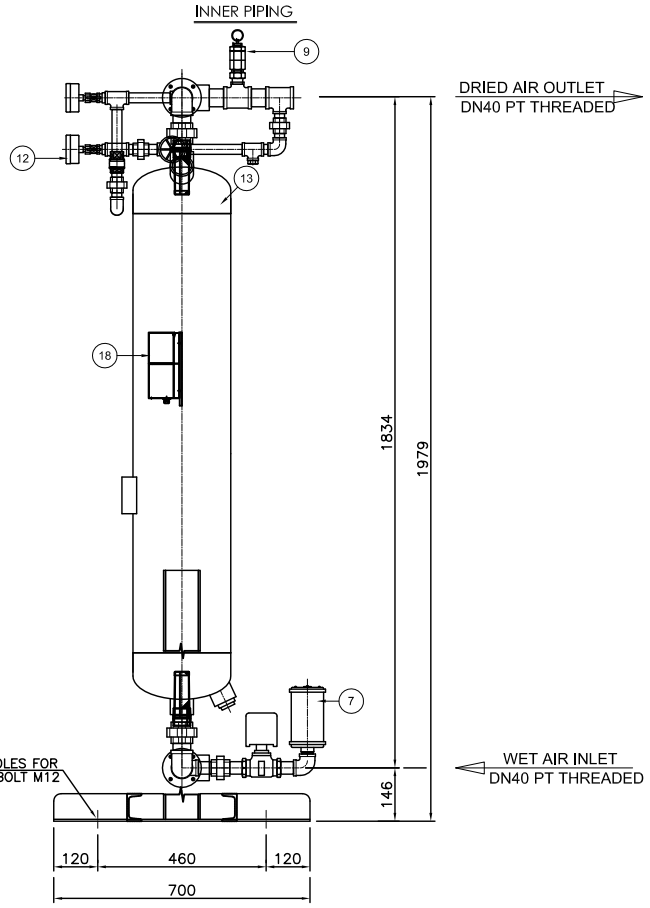
ECN No.	SYM	REVISION	DATE	REVISOR	APPROVED
	1				
	2				



No.	DESCRIPTION
1	DESICCANT CHAMBER(L.T)
2	DESICCANT CHAMBER(R.T)
3	
4	
5	
6	
7	PURGE SILENCER
8	DESICCANT SCREEN
9	PRESSURE SAFETY VALVE
10	DESICCANT CHAMBER PRESSURE GAUGE
11	PURGE NORMAL ORIFICE
12	PURGE FLOW GAUGE
13	PURGE ADJUSTING VALVE
14	
15	
16	
17	
18	ELECTRICAL ENCLOSURE
19	
20	
21	AIR INLET 3-WAY SHUTTLE VALVE
22	
23	AIR OUTLET 3-WAY SHUTTLE VALVE
24	
25	PURGE FLOW CHECK VALVE(L.T)
26	PURGE FLOW CHECK VALVE(R.T)
27	PURGE VALVE W/ACTUATOR(L.T)
28	PURGE VALVE W/ACTUATOR(R.T)
29	
30	
31	
32	





HEATLESS AIR DRYER SPECIFICATION	
PROCESS	: COMPRESSED AIR
CAPACITY	: 360 Nm³/hr
OPERATING PRESSURE	: 7.0 kg/cm²
OPERATING TEMPERATURE	: 38°C (Max.40°C)
DESIGN PRESSURE	: 9.9 kg/cm²
OUTLET DEW POINT	: -40°C at atm
NORMAL PURGE	: 54 Nm³/hr
PURGE CONTROL SET	: 3.0 kg/cm²
POWER SUPPLY	: 220V- 1Ph- 60Hz
CONTROL POWER	: 220V- 1Ph- 60Hz
ELECTRICALS	: NEMA-1
NEMA CYCLE	: 10 mln
DRYING	: 5 mln
REGENERATION	: 4 mln
PRESSURIZING	: 1 mln
CORROSION ALLOWANCE	: +1.0mm(VESSELS)
DESICCANT (ø4~ø6)	: 110kg/2Towers
PACKAGE TOTAL WEIGHT	: 405 kg

MARK	PARTS	PARTS NO.	Q'TY	MATERIAL	DESCRIPTION	WEIGHT

APP. S. LEE	SCALE N:A	SMD KOREA.CO.,LDT KOREA	
CHK. J.P.KIM	SIZE A3	DWG. NAME DESICCANT AIR DRYER (Heatless Purge Type) SAD-50 OUTSIDE DWG.	
DRW. J.P.KIM	REF.DWG.NO.		
DATE 2016.05.25	UNIT mm	DWG. NO. SK-SH050-001-0	SHEET 1/1