

SPECIFICATIONS

SYSTEM DESICCANT MEDIA SEE BELOW (ITEM 22):
ACTIVATED ALUMINA, TYPE F200, 3/16" DIA. (LOADED IN EACH VESSEL, REFER TO OPERATION MANUAL OR PARTS LIST FOR QUANTITY PER VESSEL)

DESIGN INLET TEMPERATURE: 100 DEG.F
DESIGN WORKING PRESSURE: 100 PSIG
AIR INLET FLOW AT DESIGN PRESSURE (SCFM): MODEL NUMBER EQUALS INLET FLOW AT 100 PSIG
MAXIMUM WORKING PRESSURE: 180 PSIG (100 PSIG NORMAL)
VESSEL PRESSURE RELIEF VALVE SETTING: 200 PSIG
VESSEL M.A.W.P. (STAMPED, MAXIMUM ALLOWABLE WORKING PRESSURE): 200 PSIG
DRYING AIRFLOW: UPDRAFT
REGENERATING AIR FLOW: DOWNDRAFT
SYSTEM CONTROL AIR PRESSURE SETTING: 100 PSIG
PURGE AIR PRESSURE SETTING: (REFER TO OPERATION MANUAL)
OUTLET DEWPOINT: -40 DEG.F PRESSURE DEW POINT

SYSTEM CYCLE TIME: 8 HOUR NEMA CYCLE

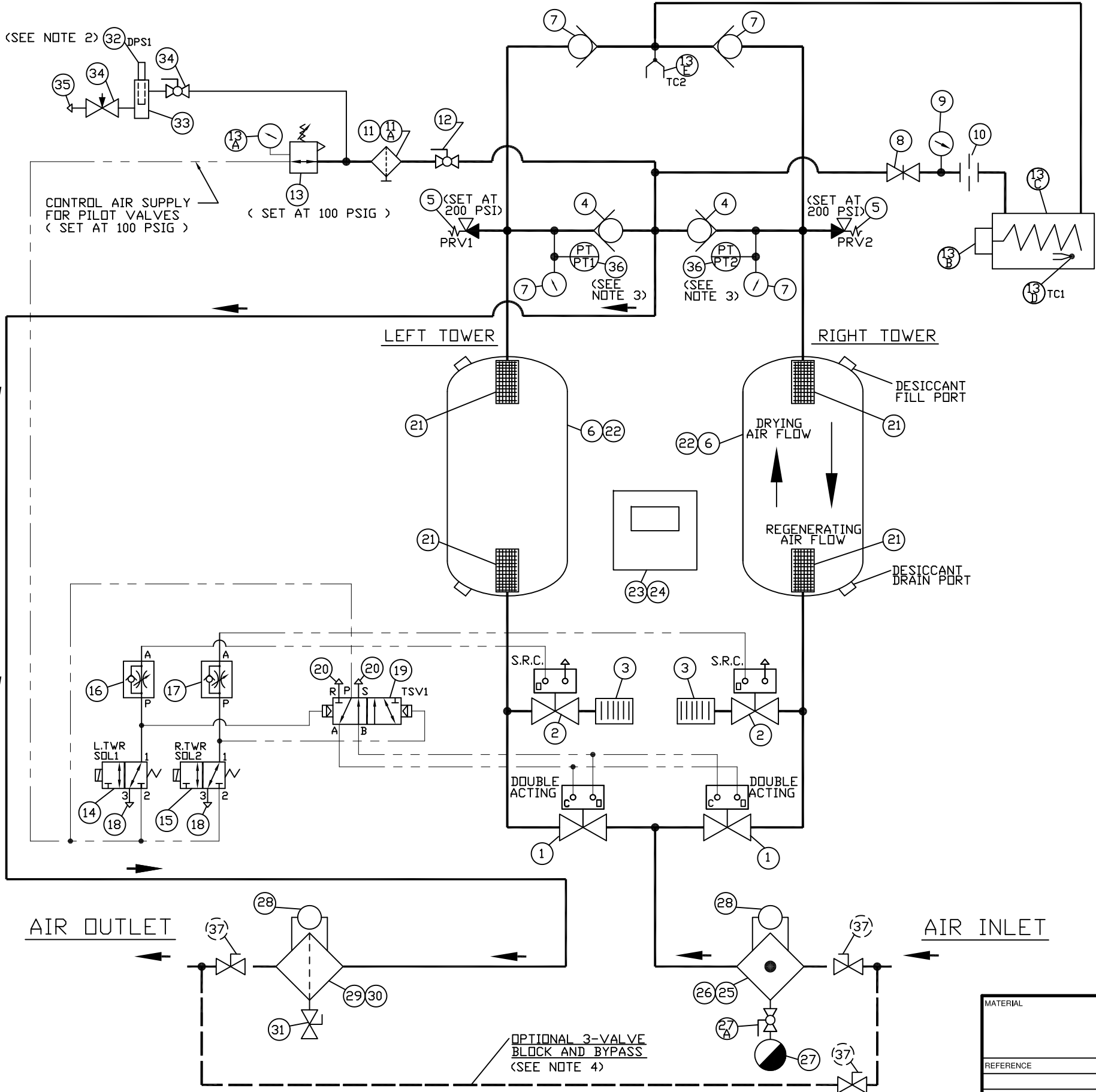
DRYING TIME: 4 HOURS
DEPRESSURIZATION TIME: 2 MINUTES
HEATING REGENERATION TIME: 180 MINUTES
COOLING REGENERATING TIME: 55 MINUTES
REPRESSURIZING TIME: 3 MINUTES

- NOTES:
1. SHOWN WITH STANDARD MOUNTED FILTRATION WHICH INCLUDES AN INLET COALESCING PREFILTER WITH DRAIN ISOLATION VALVE AND AUTOMATIC CONDENSATE DRAIN ... ALSO INCLUDED, IS AN OUTLET PARTICULATE AFTERFILTER WITH MANUAL VENT/DRAIN ... DIFFERENTIAL PRESSURE INDICATOR AT EACH INLET AND OUTLET FILTER, ALL MOUNTED AND PRE-PIPED
 2. ENERGY SAVING (ES FEATURE) IS A STANDARD FEATURE OUTLET DEW POINT IS DISPLAYED ON THE CONTROL PANEL, ALSO INCLUDES DEW POINT DEMAND CYCLE CONTROL, HIGH DEW POINT ALARM AND NORMAL FIXED CYCLE MODE.
 3. FAILURE TO SHIFT (FS FEATURE) IS A STANDARD FEATURE ON THE EXTERNALLY HEATED DRYERS..
 4. (OPTIONAL) 3-VALVE BLOCK AND BYPASS SYSTEM

37	3	(OPTIONAL) 3-VALVE BLOCK AND BYPASS SYSTEM (SEE NOTE 4)
36	2	TOWER PRESSURE TRANSDUCER, FOR FAIL TO SHIFT (SEE NOTE 3)
35	1	OUTLET DEW POINT SENSOR EXHAUST (SEE NOTE 2)
34	2	OUTLET DEW POINT SENSOR ISOLATION/FLOW ADJ. VALVES (SEE NOTE 2)
33	1	OUTLET DEW POINT SENSOR SAMPLE CELL (SEE NOTE 2)
32	1	OUTLET DEW POINT SENSOR PROBE, (SEE NOTE 2)
31	1	OUTLET AFTERFILTER MANUAL VENT/ DRAIN VALVE
30	1	ELEMENT, OUTLET PARTICULATE
29	1	OUTLET PARTICULATE AFTERFILTER HOUSING
28	2	FILTER DIFFERENTIAL PRESSURE INDICATOR

ITEM	QTY	DESCRIPTION
1	2	INLET VALVE, DOUBLE ACTING ACT., HIGH PERFORMANCE BUTTERFLY VALVE
2	2	PURGE EXHAUST VALVE, N. CLOSED, HIGH PERFORMANCE BUTTERFLY VALVE
3	2	PURGE EXHAUST MUFFLER
4	2	OUTLET CHECK VALVE
5	2	TOWER PRESSURE RELIEF VALVE
6	2	DESICCANT TOWER
7	2	TOWER PRESSURE GAUGE, 0-200 PSIG
8	1	PURGE ADJUSTMENT VALVE
9	1	PURGE PRESSURE GAUGE, 0-200 PSIG
10	1	PURGE ORIFICE
11	1	CONTROL AIR FILTER HOUSING
11A	1	ELEMENT, CONTROL AIR FILTER
12	1	CONTROL AIR ISOLATION VALVE
13	1	CONTROL AIR PRESSURE REGULATOR (SET AT 100-120 PSIG)
13A	1	CONTROL AIR PRESSURE REGULATOR GAUGE
13B	1	PURGE AIR HEATER
13C	1	PURGE AIR HEATER HOUSING
13D	1	PURGE AIR HEATER HIGH LIMIT 'K' TYPE THERMOCOUPLE ATTACHED TO HEATER ELEMENT
13E	1	HEATER OUTLET 'J' TYPE THERMOCOUPLE, MONITOR AND CONTROL OF PURGE AIR TEMPERATURE
14	1	LEFT TOWER PURGE EXHAUST PILOT SOLENOID VALVE, 3-WAY
15	1	RIGHT TOWER PURGE EXHAUST PILOT SOLENOID VALVE, 3-WAY
16	1	L.T. PURGE EXHAUST ACTUATOR FLOW CONTROL VALVE, CONTROLS OPENING SPEED OF EXH. VALVE
17	1	R.T. PURGE EXHAUST ACTUATOR FLOW CONTROL VALVE, CONTROLS OPENING SPEED OF EXH. VALVE
18	2	EXHAUST MUFFLER, FOR PURGE EXHAUST PILOT SOLENOID VALVE
19	1	TOWER SELECTOR VALVE, 4-WAY 2-POSITION,DUAL PNEUMATIC PILOT,CONTROLS INLET VALVE SWITCH
20	2	EXHAUST MUFFLERS, FOR TOWER SELECTOR VALVE
21	4	DESICCANT VESSEL SCREEN
22	-	ACTIVATED ALUMINA DESICCANT,TYPE F200,3/16"DIA.
23	1	SYSTEM ELECTRICAL ENCLOSURE
24	1	SYSTEM DISPLAY
25	1	INLET COALESCING PREFILTER HOUSING
26	1	ELEMENT, INLET PREFILTER, COALESCING
27	1	INLET PREFILTER AUTOMATIC CONDENSATE DRAIN, INTERNAL FLOAT DRAIN TYPE
27A	1	INLET PREFILTER AUTOMATIC CONDENSATE DRAIN, ISOLATION VALVE

MATERIAL			DWN	MWS	TITLE EH SERIES EXTERNALLY HEAT REGENERATIVE COMPRESSED AIR DRYER EH-1000 TO EH-1500 W/STD. MTD. FILTRATION FLOW DIAGRAM	
			DWN_DATE 8-19-2024			
			CHK			
			CHK_DATE			
REFERENCE			APV		AG3941775	
			APV_DATE			
			SCALE NONE			
			SHEET 1 OF 2			
DO NOT SCALE	TOLERANCES UNLESS OTHERWISE SPECIFIED	FRACTIONAL ± 1/8" ANGULAR ± 1° X.X ± .1° X.XX ± .03° X.XXX ± .015°	THIRD ANGLE PROJECTION			REV. 0
COPYRIGHT NANO-PURIFICATION SOLUTIONS						



MATERIAL			DWN		MWS	TITLE EH SERIES EXTERNALLY HEAT REGENERATIVE COMPRESSED AIR DRYER EH-1000 TO EH-1500 W/STD. MOTOR FILTRATION FLOW DIAGRAM	
			DWN_DATE		8-19-2024		
			CHK				
			CHK_DATE				
REFERENCE			APV			NUMBER AG3941775	
			APV_DATE				
			SCALE		NONE		
			SHEET		2 OF 2		
DO NOT SCALE	TOLERANCES UNLESS OTHERWISE SPECIFIED	FRACTIONAL ± 1/8" ANGULAR ± 1° X.X ± .1" X.XX ± .03" X.XXX ± .015"	THIRD ANGLE PROJECTION			REV.	
						0	
COPYRIGHT NANO-PURIFICATION SOLUTIONS							