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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: 135 PSIG (100 PSIG NORMAL)
VESSEL PRESSURE RELIEF VALVE SETTING: 150 PSIG
VESSEL M.A.W.P. (STAMPED, MAXIMUM ALLOWABLE WORKING PRESSURE): 150 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:

- 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
- 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.
- FAILURE TO SHIFT (FS FEATURE) IS A STANDARD FEATURE ON THE EXTERNALLY HEATED DRYERS..
- (OPTIONAL) 3-VALVE BLOCK AND BYPASS SYSTEM
- REFER TO PARTS LIST (PER EACH MODEL SIZE) FOR QUANTITY AND PART NUMBER FOR FILTER ELEMENTS REQUIRED PER EACH FILTER

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 COIL (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)
31A	1	OUTLET AFTERFILTER UPPER MANUAL VENT / DRAIN VALVE
31	1	OUTLET AFTERFILTER LOWER MANUAL VENT / DRAIN VALVE
30	SEE NOTE 5	ELEMENT, OUTLET PARTICULATE
29	1	OUTLET PARTICULATE AFTERFILTER HOUSING
28	2	FILTER DIFFERENTIAL PRESSURE INDICATOR
27E	1	INLET PREFILTER MAIN AUTOMATIC CONDENSATE DRAIN, MANUAL DRAIN/VENT VALVE
27D	1	INLET PREFILTER MAIN AUTOMATIC CONDENSATE DRAIN, ISOLATION VALVE
27C	1	INLET PREFILTER MAIN AUTOMATIC CONDENSATE DRAIN
27B	1	AIR INLET FILTER PRELIMINARY DRAIN, MANUAL DRAIN/VENT VALVE
27A	1	AIR INLET FILTER PRELIMINARY DRAIN, ISOLATON VALVE

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	SEE NOTE 5	ELEMENT, INLET PREFILTER, COALESCING
27	1	INLET PREFILTER AUTOMATIC CONDENSATE DRAIN, AIR INLET FILTER PRELIMINARY DRAIN

MATERIAL			DWN	MWS	TITLE EH SERIES EXTERNALLY HEAT REGENERATIVE COMPRESSED AIR DRYER EH-2000 TO EH-3000 W/STD. MTD. FILTRATION FLOW DIAGRAM		
			DWN_DATE 8-23-2024				
			CHK				
			CHK_DATE				
REFERENCE			APV		NUMBER AG3941776		
			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
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		DWN_DATE		8-23-2024			
		CH		K			
		CH DATE					
REFERENCE		APV		APV_DATE		NUMBER AG3941776	
		SCALE		NONE			
		SHEET		2 OF 2			
DO NOT SCALE	TOLERANCES UNLESS OTHERWISE SPECIFIED	FRACTIONAL ± 1/8" ANGLAR ± 1" X.X ± .1" X.XX ± .03" X.XXX ± .015"		THIRD ANGLE PROJECTION			
						REV. 0	
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