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ITEM	QTY	DESCRIPTION
1	2	INLET VALVE, HPBV, WITH DOUBLE ACTING PNEUMATIC ACTUATOR
2	2	PURGE EXHAUST VALVE, HPBV, WITH SPRING RETURN PNEUMATIC ACTUATOR
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)
13A	1	CONTROL AIR PRESSURE REGULATOR GAUGE
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
28	2	FILTER DIFFERENTIAL PRESSURE INDICATOR
29	1	OUTLET PARTICULATE AFTERFILTER HOUSING
30	1	ELEMENT, OUTLET PARTICULATE
31	1	OUTLET AFTERFILTER MANUAL VENT/ DRAIN VALVE
32	1	OUTLET DEW POINT SENSOR PROBE, (OPTIONAL, SEE NOTE 2)
33	1	OUTLET DEW POINT SENSOR SAMPLE CELL (OPTIONAL, SEE NOTE 2)
34	2	OUTLET DEW POINT SENSOR ISOLATION/FLOW ADJ. VALVES (OPTIONAL, SEE NOTE 2)
35	1	OUTLET DEW POINT SENSOR EXHAUST COIL (OPTIONAL, SEE NOTE 2)
36	2	TOWER PRESSURE TRANSDUCER, FOR FAIL TO SHIFT (SEE NOTE 3)
37	3	(OPTIONAL) 3-VALVE BLOCK AND BYPASS SYSTEM (SEE NOTE 4)

SPECIFICATIONS

SYSTEM DESICCANT MEDIA SEE BELOW (ITEM 22):

ACTIVATED ALUMINA, TYPE F200, 3/16" DIA. (NOT INSTALLED IN DRYER VESSELS , SHIPPED LOOSE WITH DRYER)

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
DRYING AIRFLOW: UPDRAFT
REGENERATING AIR FLOW: DOWNDRAFT
SYSTEM CONTROL AIR PRESSURE SETTING: 100 PSIG
OUTLET DEWPOINT: -40 DEG.F PDP

CYCLE TIME: FOR MINUS 40 DEG.F. PDP

SYSTEM CYCLE TIME: 10 MINUTE NEMA

DRYING TIME: 5 MINUTES
REGENERATING TIME: 4 MINUTES
REPRESSURIZING TIME: 1 MINUTE

NOTES:

1. INLET COALESCING PREFILTER AND OUTLET PARTICULATE AFTERFILTER MOUNTED AND PIPED ARE INCLUDED AS A STANDARD DRYER FEATURE.
2. OPTIONAL WITH ENERGY SAVING (ES OPTION).... 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.... STANDARD FEATURE INCLUDED WITH THE STANDARD PREMIUM ELECTRICAL PACKAGE FOR HL SERIES HEATLESS DRYERS 1000 AND UP.
4. (OPTIONAL) 3-VALVE BLOCK AND BYPASS SYSTEM

MATERIAL	DWN MWS	TITLE HL SERIES HEATLESS REGENERATIVE COMPRESSED AIR DRYER HL-1000 TO HL-1500 WITH STD. MTD. FILTRATION FLOW DIAGRAM
	DWN_DATE 7-31-2024	
	CHK	
	CHK_DATE	NUMBER AG3941765
REFERENCE	APV	
	APV_DATE	
	SCALE NONE	REV. 0
	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

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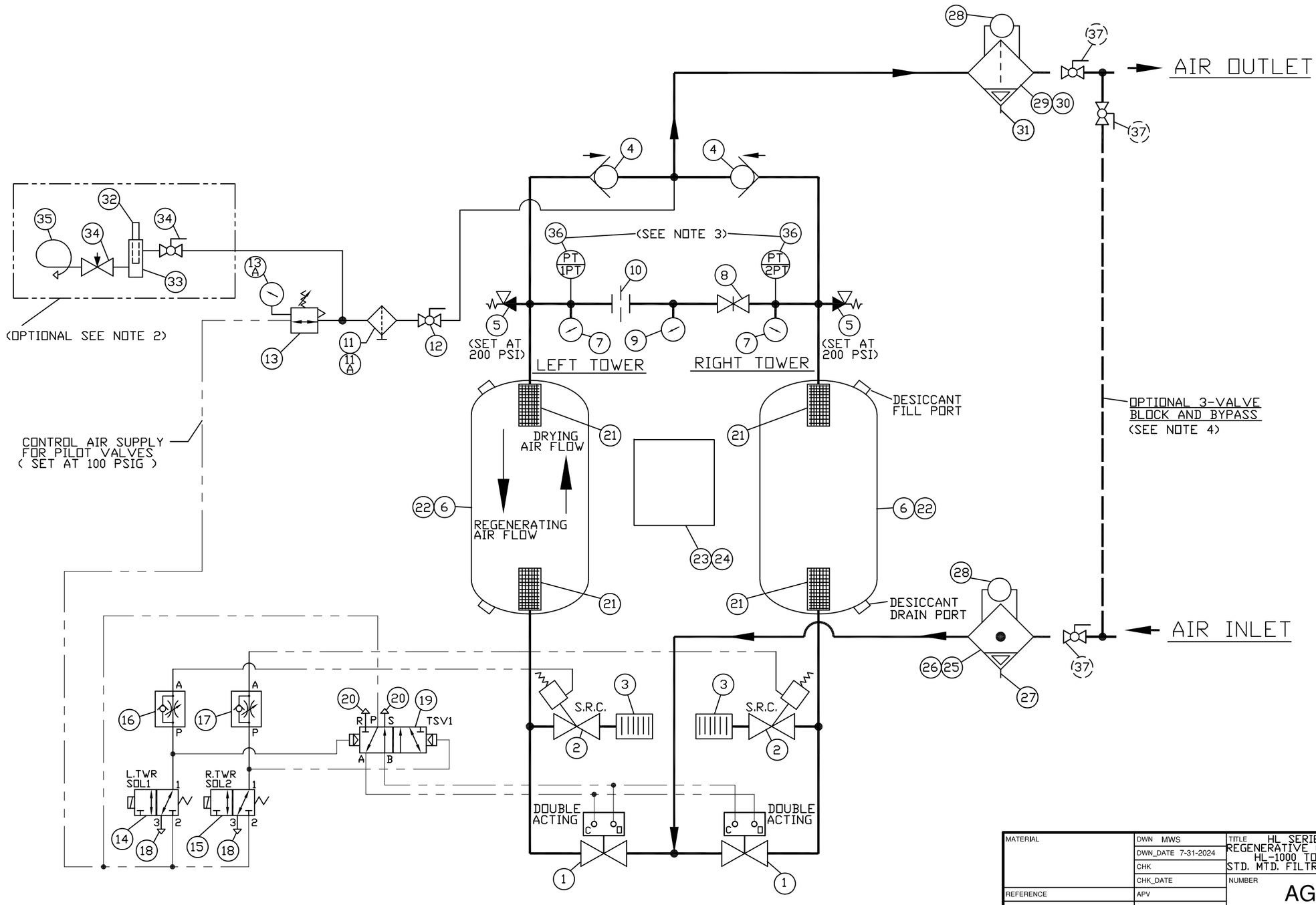

MATERIAL	DWN MWS	TITLE HL SERIES HEATLESS REGENERATIVE COMPRESSED AIR DRYER HL-1000 TO HL-1500 WITH STD. MTD. FILTRATION FLOW DIAGRAM	
	DWN_DATE 7-31-2024		
	CHK		
	CHK_DATE	NUMBER	
REFERENCE	APV	AG3941765	
	APV_DATE		
	SCALE NONE		REV.
	SHEET 2 OF 2		0

DO NOT SCALE | TOLERANCES UNLESS OTHERWISE SPECIFIED | FRACTIONAL ± 1/8" ANGULAR ± 1° X.X ±.1" X.XX ±.03" X.XXX ±.015" | THIRD ANGLE PROJECTION

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