



Precision Air Drilling Services

Equipment Information & Specifications





Hankinson Desiccant Dryers Specifications



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Unit Specifications:

Item Description:	Item Specification:
Manufacturer:	Hankinson International
Model:	RDH-HP-1550-500
Inlet Flow	3500 SCFM
Output Flow	3293 SCFM
Color	Precision Blue

Dimensions & Weight:

Item Description:	Item Specification:
Size:	6'6" L X 6'9" W X 6'9" H
Dry Weight:	Approximately 7,500 lbs



Additional Specifications:

- Disregard the following tables in the Precision DH series instruction manual (7620.479.9A, 7/00):
 Purge Economizer Setting (Table 3A, Page 11)
 Purge Pressure Setting (Table 3C, Page 13)
 Mini-Instructions Purge Pressure Setting (Page 3)
- Disregard the tables on the Desecant Dryer Instruction Label (9905.515.15A). The tables on this label should be obliterated to avoid confusion.
- The attached table details the correct purge pressure settings and timer DIP switch settings for this dryer.
- Note that for purge economizer usage at pressures above 250 psig, the actual % flow (shown in the table below) will not correspond to the displayed % flow (shown on the timer front panel). The actual % flow (shown in the table below) has been corrected for the higher operating pressures.
- No orifice change is required for this dryer.

Purge Pressure and Timer Board Settings																			
Inlet Temperature 100 Deg. F		Outlet Pressure Dewpoint : -40 Deg. F 10 Minute Cycle					Outlet Pressure Dewpoint : -100 Deg. F 4 Minute Cycle												
Inlet Pressure (psig)	Inlet Flow Rating (scfm)	Purge Orifice Pressure (psig)	Maximum Purge Flow Rate (scfm)	Timer board DIP Switch Settings						Purge Orifice Pressure (psig)	Maximum Purge Flow Rate (scfm)	Timer board DIP Switch Settings							
500	3283	60	345	%	1	2	3	4	5	6	141	751	%	1	2	3	4	5	6
490	3251	61	349	100	ON	OFF	ON	ON	OFF	ON	143	758	100	OFF	ON	ON	ON	ON	OFF
480	3219	61	352	80	OFF	ON	ON				144	766	75	ON	ON	ON			
470	3186	62	356	60	ON	ON	ON				146	774	See note 4 above.						
460	3153	63	360	See note 4 above.						148	782								
450	3120	64	363							149	791								
440	3086	64	367							151	799								
430	3052	65	372							153	808								
420	3017	66	376							155	817								
410	2983	67	380							157	827								
400	2947	68	385							159	837								
390	2911	69	389							161	847								
380	2875	70	394							163	858								
370	2839	71	400							165	869								
360	2802	72	405							168	881								
350	2764	73	410							170	892								
350	2764	42	257	%	1	2	3	4	5	6	90	492	%	1	2	3	4	5	6
340	2726	43	260	100	OFF	ON	OFF	ON	OFF	ON	91	499	100	ON	ON	OFF	ON	ON	OFF
330	2687	44	264	88	ON	ON	OFF				92	506	86	OFF	OFF	ON			
320	2648	45	268	75	OFF	OFF	ON				94	514	71	ON	OFF	ON			
310	2608	45	272	63	ON	OFF	ON	ON	OFF	ON	96	522	57	OFF	ON	ON	ON	ON	OFF
300	2567	46	276	50	OFF	ON	ON				97	530	43	ON	ON	ON			
290	2526	47	281	38	ON	ON	ON				99	539	See note 4 above.						
280	2485	48	286	See note 4 above.						101	548								
270	2442	49	291							103	557								
260	2399	50	296							105	567								
250	2355	51	301							107	578								
250	2355	39	241	%	1	2	3	4	5	6	71	399	%	1	2	3	4	5	6
240	2310	40	246	100	OFF	OFF	OFF	ON	OFF	ON	72	407	100	OFF	OFF	OFF	ON	ON	OFF
230	2264	41	250	90	ON	OFF	OFF				74	415	90	ON	OFF	OFF			
220	2217	42	256	80	OFF	ON	OFF				76	424	80	OFF	ON	OFF			
210	2169	43	261	70	ON	ON	OFF	ON	OFF	ON	78	433	70	ON	ON	OFF	ON	ON	OFF
200	2121	44	267	60	OFF	OFF	ON				80	443	60	OFF	OFF	ON			
190	2071	46	274	50	ON	OFF	ON				82	454	50	ON	OFF	ON			
180	2019	47	281	40	OFF	ON	ON	ON	OFF	ON	84	465	40	OFF	ON	ON	ON	ON	OFF
170	1967	49	288	30	ON	ON	ON				87	478	30	ON	ON	ON			
160	1913	50	296								89	491							
150	1857	52	305							92	506								
150	1857	36	227	%	1	2	3	4	5	6	55	322	%	1	2	3	4	5	6
140	1800	38	234	100	OFF	OFF	OFF	OFF	OFF	ON	57	332	100	OFF	OFF	OFF	OFF	ON	OFF
130	1741	39	242	90	ON	OFF	OFF				60	343	90	ON	OFF	OFF			
120	1680	41	251	80	OFF	ON	OFF				62	356	80	OFF	ON	OFF			
110	1616	43	261	70	ON	ON	OFF	OFF	OFF	ON	65	370	70	ON	ON	OFF	OFF	ON	OFF
100	1550	45	272	60	OFF	OFF	ON				68	386	60	OFF	OFF	ON			
90	1415	45	272	50	ON	OFF	ON				68	386	50	ON	OFF	ON			
80	1280	45	272	40	OFF	ON	ON	ON	ON	ON	68	386	40	OFF	ON	ON	ON	ON	ON
70	1145	45	272	30	ON	ON	ON				68	386	30	ON	ON	ON			
60	1009	45	272								68	386							

TEST MODE (10 OR 4 MINUTE CYCLE)	1	2	3	4	5	6
	ON	ON	ON	ON	ON	ON