

Model No: SR-90H
Honeycomb Dehumidifiers



The display screen shows re-producing temperature setting and actual temperature

With high efficiency, XD series honeycomb rotation cylinder dehumidifier is mainly used for dehumidifying operation on engineering plastic of strong hygroscopic property.

Features:

- The dew point of dried wind hit -50°C degree
- Main power switch with mechanical interlock function
- The dehumidification system adopts double cooler structure, can guarantee very low return wind temperature and dew point

Technical Parameters

Model	regen.heater power	dry air flow	weight	external size	pipe size
	kw	m ³ /hr	kg	mm	inch
SR-90H	3.5	90	156	900x520x1700	2"
SR-120H	3.5	120	190	900x620x1700	2"
SR-150H	4	150	220	1300x700x1700	2.5"
SR-200H	5.4	200	240	1300x700x1700	2.5"
SR-300H	7.2	300	260	1300x700x1800	3"
SR-400H	7.2	400	380	300x700x1800	4"
SR-500H.	10	500	400	1500x1000x1900	4"
SR-700H	10	700	410	1500x1000x1900	4"
SR-1000H	15	1000	500	1500x1200x1900	5"

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Humidity and water content rate check list:

Dew Point	Relative Humidify	Moisture Content	
		PPM	%
20	100	23.072	2.307
10	52.50	12.117	1.212
0	26.10	6.027	0.603
-10	11.20	2.574	0.257
-20	4.40	1.025	0.103
-30	1.60	378	0.038
-40	0.60	128	0.013
-50	0.2	39	0

The body consists of ceramic honeycombs made of ceramic fiber and organic additive, and molecular sieve and silicon glue as basic material crystal sintered by high temperature with surface hard force to be attracted in the inner of honeycombs. So unlikely as general cylinder-type or rotation tray type the powder particles produced by molecular nodes aging to be blown into the drying tube to pollute the plastic, and furthermore its endless using life and washable is unlikely as general molecular bodes to be aging and saturated should be replaced often. The water content will be sucked immediately when the moisture return wind through pass the numerous micro holes of cylinder honeycombs. So they have been dehumidified completely and have been the full dried wind with very low dew point. The principle of re-producing and dehumidification are same and carry out simultaneously, only the reproduced wind blowing has reverse direction.

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Dry capability specification:

raw material	Drying Temperature	Drying Time	Specific Heat	Material Proportion	water ratio before dehumidifying	water ratio after dehumidifying	Drying Capacity									
							C	hr	Kg	kg/dm ³	%	%	Kg/hr	SR-90H	SR-120H	SR-150H
ABS	80	2-3	0.34	0.6	0.3	0.02	27	35	71	105	180	210	285	355	425	
CA	75	2-3	0.5	0.5	1	0.02	22	30	60	90	150	180	235	295	355	
CAB	75	2-3	0.5	0.5	0.8	0.02	22	30	60	90	150	180	235	295	355	
CP	75	2-3	0.6	0.6	1	0.02	27	35	71	105	180	210	285	355	425	
LCP	150	4	0.6	0.6	0.04	0.02	20	27	55	80	135	160	210	265	320	
POM	100	2	0.35	0.6	0.2	0.02	40	53	105	160	265	320	425	530	640	
PMMA	80	3	0.35	0.65	0.5	0.02	29	38	77	115	192	230	307	383	460	
ILNOMER	90	3-4	0.55	0.5	0.1	0.04	17	22	44	66	111	133	177	220	265	
PA6/6.6/6.10/75	75	4-6	0.4	0.65	1	0.05	14	19	38	58	96	115	153	192	239	
PA11	75	4-5	0.58	0.65	1	0.05	17	23	46	69	115	138	184	230	275	
PA12	75	4-5	0.28	0.65	1	0.05	17	23	46	69	115	138	184	230	275	
PC	120	2-3	0.28	0.7	0.3	0.01	31	41	83	124	206	250	330	413	495	
PU	90	2-3	0.45	0.65	0.3	0.02	29	38	77	115	190	230	307	383	460	
PBT	130	3-4	0.3-0.5	0.7	0.2	0.02	23	31	62	93	155	186	248	310	372	
PE	90	1	0.55	0.6	0.01	<0.01	80	106	212	318	531	637	850	1062	1275	
PEI	150	3-4	0.6	0.6	0.25	0.02	20	27	53	80	133	160	212	265	320	
PET	160	4-6	0.3-0.5	0.85	0.2	0.02	19	25	50	75	125	150	200	250	300	
PETG	70	3-4	0.6	0.6	0.5	0.02	20	27	53	80	133	160	212	265	320	
PEN	170	5	0.85	0.85	0.1	0.05	23	30	60	90	150	180	240	300	360	