

Drying & Dehumidifying

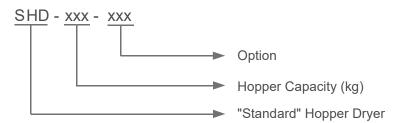
Standard Hopper Dryer



SHD Series



Coding Principle



Features

- Adopt hot air diffuser to keep plastics dry and temperature stable, thus improve drying efficiency.
- Hot air inlet curved design can prevent dust piling up at bottom of the pipe heaters so as to avoid burning.
- Component inside the hopper and the inwall of it are made of stainless to protect materials from contamination.
- Hopper separated from its base, ensuring convenient cleaning.
- All series are equipped with exposed power switch.
- For SHD-25~150, heater pipes are connected by lead sheets and other models are equipped with temperature protection to prevent heater pipe from damaging by blower faults.
- Overheat tripping can automatically cut off power when drying temperature exceeds set deviation value.
- Adopts heat-insulated blower to prolong blower lifespan.
- All series of models standard equipped with 7-day timing and intermittent operation function.
- All series of models adopt microcomputer control and RS485 communication port.
- Max. drying temperature is 160°C.



In the drying process, hot air with constant temperature is blown by a blower into a two-layer insulated hopper to dry the materials. Moisture will be separated out and taken away by hot air, thus to gain a satisfied drying effect.

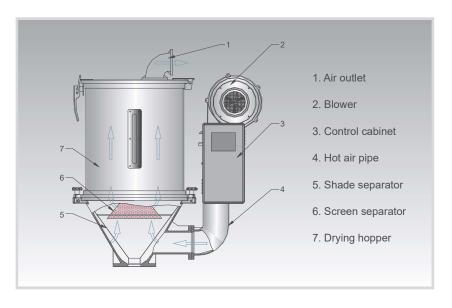
Air blown out of blower became high temperature drying air after being heated. Through screen protector and hole screen, hot air can be equably dispersed in the material of storage tank (see picture). Hot air recycler is optional so the air enter drying blower after being filtered to form a closed loop circle and save electricity.



SHD-800

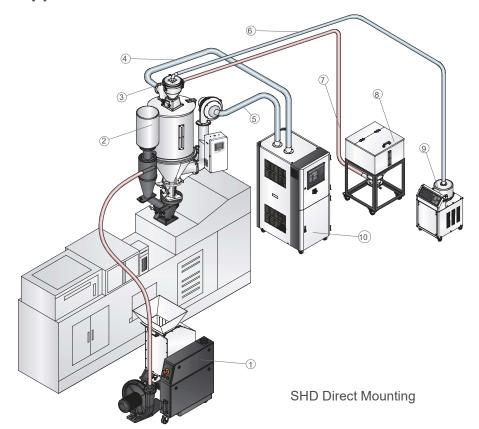


Hopper Inside

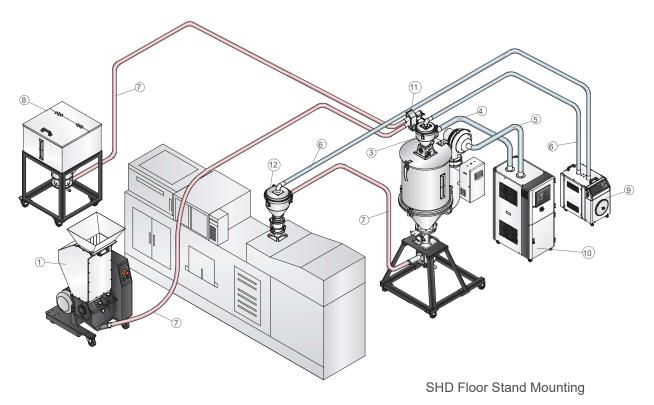


SHD Series

Application

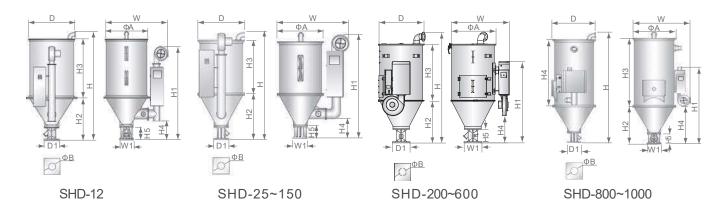


- 1. Low-speed granulator
- 2. 30-sec instant recycle
- 3. Vacuum hopper
- 4. Return air
- 5. Dehumidifying air
- 6. Vacuum pipe
- 7. Material pipe
- 8. Material tank
- 9. Auto loader
- 10. Honeycomb dehumidifier
- 11. Proportional valve
- 12. Photosensor hopper





Outline Drawings



Specifications

Model	SHD-	12	25	50	75	100	150	200	300	400	500	600	800	1000
Heater (k\	N)	2.2/3*	3/3.3*	3.9/4.2*	4.2/4.8*	6/6.6*	6.6/7.2*	12/9.6*	9.6	18	19.2	21	24	32
Blower (k\	N)	0.05	0.12	0.12	0.12	0.12	0.12	0.18	0.18	0.55	0.55	0.55	1.1	1.1
Loading	kg	12	25	50	75	100	150	200	300	400	500	600	800	1000
Capacity	lb	26.5	55.1	110.2	165.3	220.5	330.7	441	661.4	881.8	1102.3	1322.8	1763.7	2204.6
	mm	790	1015	1145	1240	1340	1620	1602	1985	2202	2382	2586	2760	3195
Н	Inch	31.1	40	45	48.8	52.8	63.8	63.0	78.1	86.7	93.8	101.8	108.7	125.8
	mm	690	925	1045	1150	1340	1605	1291	1291	1617	1617	1617	2300	2530
H1	Inch	27	36.4	41.1	45.3	52.8	63.2	50.8	50.8	63.7	63.7	63.7	90.6	99.6
110	mm	317	410	380	475	470	470	550	550	849	849	849	1013	1013
H2	Inch	12.5	16.1	15	18.7	18.5	18.5	21.7	21.7	33.4	33.4	33.4	39.9	39.9
110	mm	370	460	520	620	725	970	815	1200	1115	1295	1499	540	1970
Н3	Inch	14.6	18.1	20.5	24.4	28.5	38.2	32.0	47.2	43.9	60.0	59.0	21.3	77.6
114	mm	106	194	206	208	233	233	261	261	541	541	541	1550	1845
H4	Inch	4.2	7.6	8.1	8.2	9.2	9.2	10.3	10.3	21.3	21.3	21.3	61	72.6
115	mm	115	150	150	150	158	158	158	158	283	283	283	283	283
H5	Inch	4.5	5.9	5.9	5.9	6.2	6.2	6.2	6.2	11.1	11.1	11.1	11.1	11.1
	mm	660	725	840	900	955	955	1077	1077	1207	1207	1207	1420	1420
W	Inch	26	28.5	33	35.4	37.6	37.6	42.4	42.4	47.5	47.5	47.5	55.9	55.9
	mm	360	405	490	550	605	605	767	767	935	935	935	600	600
D	Inch	14.1	15.9	19.3	21.7	23.8	23.8	30.2	30.3	36.8	36.8	36.8	23.6	23.6
D.4	mm	130	158	158	158	238	238	238	238	345	345	345	345	345
D1	Inch	5.1	6.2	6.2	6.2	9.4	9.4	9.4	9.4	13.6	13.6	13.6	13.6	13.6
W1	mm	130	148	148	148	238	238	238	238	345	345	345	345	345
VVI	Inch	5.1	5.8	5.8	5.8	9.4	9.4	9.4	9.4	13.6	13.6	13.6	13.6	13.6
	mm	325	385	470	530	595	595	750	750	910	910	910	960	960
ФА	Inch	12.8	15.2	18.5	20.9	23.4	23.4	29.5	29.5	35.8	35.8	35.8	37.8	37.8
	mm	55	55	55	55	90	90	90	90	105	105	105	105	105
ФВ	Inch	2.2	2.2	2.2	2.2	3.5	3.5	3.5	3.5	4.1	4.1	4.1	4.1	4.1
Net	kg	35	40	45	55	70	75	100	120	165	170	240	280	300
Weight	lb	77	88	99	121	154	165	220	265	364	375	529	617	661

Notes: 1) Above loading capacity is based on pellet material of 0.65kg/L(5.5lb/gal) in bulk density and 3~5mm(0.1~0.2inch) in diameter.

2) "**"stands for high-temperature model, and the max. temperature is

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^{180°}C/356°F.

³⁾ Maximum drying temperature of SHD-EH is 150°C/302°F 4) Power: 3Φ, 230/400/460/575VAC, 50/60Hz.

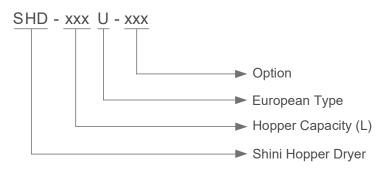
Hopper Dryer



SHD-U Series



Coding Principle





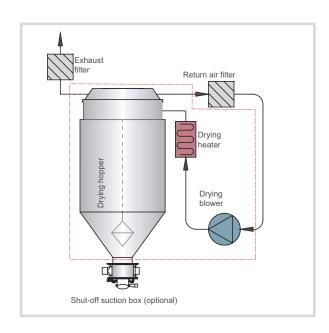
SHD-80U-HD & Floor Stand (optional)

Features

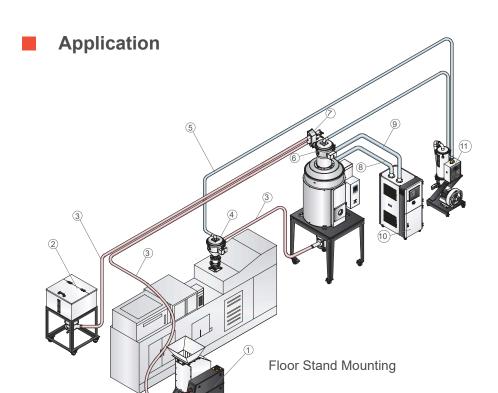
- Adopt P.I.D temperature control and LCD display, with RS485 communication function.
- Overheat protection to ensure reliable operation.
- 7-day automatic start/stop timer to improve energy saving.
- Unique design of down-blow air pipe can spread hot air evenly, keeping plastics dry and temperature stable to raise drying efficiency.
- SHD-80U and models above have material clearance door to make cleaning more convenient and effective.
- SHD-450U and models below are equipped with stainless steel lining aluminium base. SHD-600U~750U is equipped with aluminium magnetic base. SHD-900U and model above are equipped with manual butterfly valve.
- For SHD-900U models and above, floor stand is standard equipment.

Working Principle

Air blown out of drying blower becomes high temperature drying air after being heated. Through particular down-blowing air pipe, hot air can be equably dispersed in the material storage tank. Hot air recycler can be equipped to filter and recycle the air from the air outlet and form a closed loop circle.

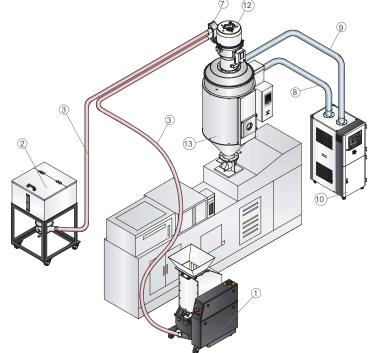


SHD-U Series



- 1. Low-speed granulator
- 2. Material tank
- 3. Material pipe
- 4. Photosensor hopper
- 5. Vacuum pipe
- 6. Vacuum hopper
- 7. Proportional valve

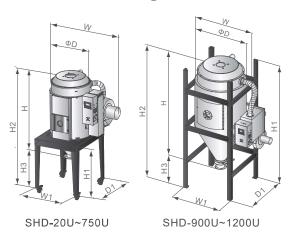
- 8. Dehumidifying air
- 9. Return air
- 10. Honeycomb dehumidifier
- 11. Separate auto loader
- 12. Auto loader
- 13. Hopper dryer

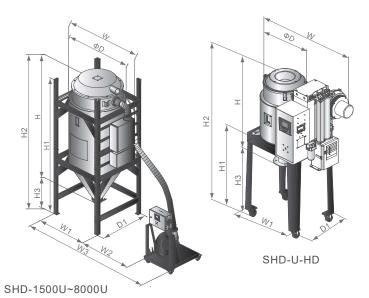


Direct Mounting



Outline Drawings





Specifications

Mod	el	SHD-	20U	40U (-HD)	80U (-HD)	120U (-HD)	160U	230U	300U	450U	600U	750U	900U	1200U	1500U	2000U	2500U	3000U	3500U	4000U	5000U	6000U	7000U	8000U
Heate	er Powe	er (kW)	2.2	3	3.9	3.9	6	6	12	12	18	18	18	24	32	32	58	58	64	64	80	96	112	128
Blowe	er(kW))	0.05	0.12	0.12	0.12	0.12	0.12	0.18	0.18	0.55	0.55	0.55	1.1	3	3	5.5	5.5	7.5	7.5	11	15	18.5	22
Норр	er	L	20	40	80	120	160	230	300	450	600	750	900	1200	1500	2000	2500	3000	3500	4000	5000	6000	7000	8000
Capa	acity	gal	5.3	10.6	21	31.7	42.3	60.8	79.3	118.9	158.5	198	237.8	317	396	528	660	793	925	1057	1321	1585	1849	2113
		mm	680	770	940	1190	1200	1470	1430	1840	1830	2080	2330	2765	3095	3685	3735	4135	4535	4180	4775	4520	5460	6030
	Н	Inch	26.8	30.3	37	46.9	47.2	57.9	56.3	72.4	72	81.9	91.7	109	122	145	147	163	179	165	188	178	215	237
nois		mm	575	770	860	860	875	875	1005	1005	1250	1250	1410	1410	1640	1542	1798	1798	1798	2010	2010	2250	2250	2250
Dimension	W	Inch	22.6	30.3	33.9	33.9	34.4	34.4	39.6	39.6	49.2	49.2	55.5	55.5	64.6	60.7	70.8	70.8	70.8	79	79	88.6	88.6	88.6
Ö		mm	325	394	472	472	575	575	695	695	915	915	1050	1050	1250	1250	1400	1400	1400	1600	1600	1800	1800	1800
	D	Inch	12.8	15.5	18.6	18.6	22.6	22.6	27,4	27.4	36	36	41.3	41.3	49.2	49.2	55	55	55	63	63	71	71	71
		mm	790	790	840	840	920	920	970	970	1130	1130	2760	3190	3470	3870	4000	4400	4800	4550	5150	4870	5805	5620
	H1	Inch																						
		IIICII	31	31	33	33	36.2	36.2	38	38	44.5	44.5	109	126	137	152	157	173	189	179	203	192	228	221
	W1	mm	450	580	730	730	652	652	790	790	1000	1000	1130	1145	1340	1340	1482	1482	1482	1680	1680	1930	1930	1930
pui		Inch	17.7	22.8	28.7	28.7	25.7	25.7	31	31	39.4	39.4	44.5	45	52.8	52.8	58.3	58.3	58.3	66	66	76	76	76
Floor Stand	W2	mm	-	-	-	-	-	-	-	-	-	-	-	-	400	400	400	400	400	400	400	400	400	400
Floor	V V Z	Inch	-	-	-	-	-	-	-	-	-	-	-	-	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
	W3	mm	-	-	-	-	-	-	-	-	-	-	-	-	2000	2000	2260	2260	2260	2460	2530	2780	2830	2830
		Inch	-	-	-	-	-	-	-	-	-	-	-	-	78.7	78.7	89	89	89	96.9	99.6	109.4	111.4	111.4
	D1	mm	550	450	560	560	795	795	930	930	1200	1200	1130	1145	1340	1340	1482	1482	1482	1680	1680	1930	1930	1930
	Б1	Inch	21.7	17.7	22	22	31.3	31.3	36.6	36.6	47.2	47.2	44.4	45	52.8	52.8	58.3	58.3	58.3	66	66	76	76	76
H2		mm	1260	1300	1480	1740	1825	2105	2085	2435	2470	2780	2765	3190	3470	3870	4000	4400	4800	4635	5235	4923	5840	6425
		Inch	49.6	51	58.3	68.5	71.9	82.9	82	96	97.2	109	108.8	125.6	136.6	152.4	157.5	173	189	182.5	206	193.8	230	253
Air Inl	et Pipe	(inch)		2	2	.5			3				4		ļ	5		6				B		10
Air Ou	tlet Pipe	e (inch)	1	.5	2	2		2	.5				4		į	5		6				8		10
Net	l- 4	kg	40	70	85	100	90	100	130	160	200	220	410	560	685	770	800	900	1010	1160	1390	1530	1735	1820
Weig	nt	lb	88	154	187	220	198	220	287	353	441	485	904	1235	1510	1698	1764	1984	2227	2557	3064	3373	3825	4012

Notes: 1) Power: 3Φ, 230/400/460/575VAC, 50/60Hz.

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Options Dryers



Effectively filter 99% of dust-contain air discharged from dryer to avoid air pollution.

Model	Applied to
ADC-1	SHD-12
ADC-2	SHD-25~150
ADC-3	SHD-200~1000

Blower Inlet Filter



Model	Applied to
AIF-12	SHD-12
AIF-25	SHD-25
AIF-50	SHD-50/75
AIF-100	SHD-100/150
AIF-200	SHD-200~300
AIF-600	SHD-400~600
AIF-800	SHD-800~1000

Notes: refill air input of the blower is adjustable.

Hopper Magnet

Absorb metal scraps in the material to avoid the damage of molding screw.



Model	Aluminum Holder ×2 (mm/inch)
MR-5	(148×80×2.3) mm (5.8×3.1×0.1) inch
MR-7	(190×80×2.3) mm (7.5×3.1×0.1) inch
MR-9	(240×80×2.3) mm (9.4×3.1×0.1) inch

Magnetic Base



Made of aluminum with built-in hopper magnet, can effectively separate metal scraps out to avoid material contamination. (MB-400 is standard configuration)

Model	Applied to	Magnetic Frame	Aluminum Holder×2 (mm/inch)		
MB-12	SHD-12 SHD-20U				
MB-20U	SHD-20U		(88.5×78×2.3) mm		
MB-50	SHD-25~75 SHD-40U~120U		(3.5×3.0×0.09) inch		
MB-40U	SHD-40U~120U	MR-3			
MB-100	SHD-100~300 SHD-160U~450U	IVIK-3	(119×105×2.3)mm		
MB-160U	SHD-160U~450U		(4.7×4.1×0.09) inch		
MB-400	SHD-400 and models above		(147×130×2.3)mm		
MB-600U	SHD-600U~750U		(5.8×5.1×0.09) inch		

Hot Air Recycler



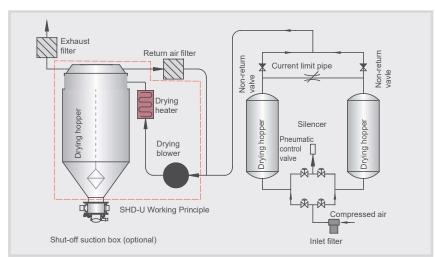
Work with hopper dryer to make the hot air form a semi-closed circulated loop and has features as follows:

- 1) Hot air recycling and circulating avoids indoor temperature rising up.
- 2) Keep air in factory clean and ensure good product quality.
- 3) Heating by fast hot air circulation can lower energy consumption by 40%.

Model Item		HAR-12	HAR-25 HAR-50		HAR-100	HAR-200 HAR-60		HAR-800		
Filtering Barrel	mm	15	57	175	219					
Dia.	Inch	6	.2	6.9	8.6	9.6				
Inlet Air PipeDia (inch)		2	2.5	3			4			
Flange Air Outle (inch)		2	2.5	Š	•		4			
Applied	d to	SHD-12	SHD-25	SHD-50 /75	SHD-100 /150	SHD-200~ 300	SHD-400~ 600	SHD-800~ 1000		





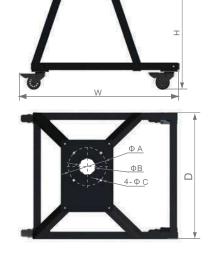


SHD-U-HD Working Principle

- Optionally equipped with heatless regenerative air dryer, which could offer low dewopint dry air without heating and speed up the drying of material, Add "HD" at the end of the mode code.
- For models with hopper polished inside, add "P" at the end of the mode code.







With which machines can be easily moved out of workplace which is suitable for the factories with height limited workshops, also it can make operations more convenient, applicable to SHD series.

Model		FSN-50	FSN-100	FSN-200	FSN-400	FSN-800	
Applied to		SHD-12~75	SHD-100/ 150	SHD-200/ 300	SHD-400 ~600	SHD-800/ 1000	
Dimension	mm	600×700×640	615×800×710	680×1000×840	700×1200×1010	700×1600×1180	
H×W×D	Inch	23.6×27.6×25	24.2×31.5×28	26.8×39.4×33	27.6×47.2×39.8	27.6×63×46.5	
A / D / O	mm	140/54/ 9	210/9	90/11	260/116 /13		
A/B/C	Inch	5.5/2.1/ 0.4	8.3/3.	5/0.43	10.2/4	.6 /0.5	

Floor Stand

Support dryer and hopper loader, easy for installation and transportation,applicable to SHD-U series.



Applicable to SHD-20U~750U

		Dimension									
Model	Applied to	l	-	٧	٧	Н					
		mm	inch	mm	inch	mm	inch				
FSU-20	SHD-20U	550	21.7	450	17.7	790	31.1				
FSU-40	SHD-40U	580	22.8	450	17.7	790	31.1				
FSU-80	SHD-80U/120U	722	28.4	552	21.7	840	33				
FSU-160	SHD-160U/230U	795	31.3	652	25.7	920	36.2				
FSU-300	SHD-300U/450U	930	36.6	790	31.1	970	38.2				
FSU-600	SHD-600U/750U	1200	47.2	1000	39.4	1130	44.5				

Options Dryers

Blower Inlet Filter

Effectively filters 80% of the dust contained in the air to dryer to avoid pollution.



Model	Filter Barrel Dia. mm Inch		Air Inlet Air Outlet Pipe Pipe Dia. (inch) Dia. (inch)		Applied to	Fixed Plate	Blower Flange (with Air Quantity Adjustor)
AIF-20U	127	5	1.5	2	SHD-20U	SHD-20U	for 0.12kW Blower
AIF-40U	127	5	1.5	2	SHD-40U	SHD-40U	for 0.12kW Blower
AIF-80U	225	8.9	2	3	SHD-80U/120U	SHD-80U/120U	for 0.12kW Blower
AIF-160U	225	8.9	2.5	3	SHD-160U/230U	SHD-160U/230U	for 0.12kW Blower
AIF-300U	225	8.9	2.5	4	SHD-300U/450U	SHD-300U/450U	for 0.18kW Blower
AIF-600U	225	8.9	3	4	SHD-600U/750U	SHD-600U/750U	for 0.55kW Blower
AIF-900U	225	8.9	4	4	SHD-900U	SHD-900U/1200U	for 0.55kW Blower
AIF-1200U	225	8.9	4	4	SHD-1200U	SHD-900U/1200U	for 1.1kW Blower
AIF-1500U	280	11	5	5	SHD-1500U/2000U	SHD-1500U/2000U	for 3kW Blower
AIF-2500U	340	13.4	6	6	SHD-2500U/3500U	SHD-2500U/3500U	for 5.5/7.5kW Blower
AIF-4000U	340	13.4	8	8	SHD-4000U/5000U	SHD-4000U/5000U	for 7.5/11kW Blower
AIF-6000U	420	16.5	8	8	SHD-6000U/7000U	SHD-6000U/7000U	for 15/18.5kW Blower
AIF-8000U	420	16.5	10	10	SHD-8000U	SHD-8000U	for 22kW Blower

Hot Air Recycler

Work with hopper dryer to make hot air form a semi closed circulated loop, it has features as follows:

Hot air recycling and circulating to avoid indoor temp. rising up; Keep air in factory clean and ensure product quality; Save energy consumption up to 40% due to heat brought from hot air recycling; Applicable to SHD-1200U & below models; Air supply is adjustable.



Model	Filter Barrel Dia. mm Inch		Air Inlet Air Outle Pipe Pipe Dia. (inch) Dia. (inc		Applied to	Fixed Plate	Blower Flange (with Air Quantity Adjustor)
HAR-20U	127	5	1.5	2	SHD-20U	SHD-20U	for 0.12kW Blower
HAR-40U	127	5	1.5	2	SHD-40U	SHD-40U	for 0.12kW Blower
HAR-80U	225	8.9	2	3	SHD-80U / 120U	SHD-80U / 120U	for 0.12kW Blower
HAR-160U	225	8.9	2.5	3	SHD-160U / 230U	SHD-160U / 230U	for 0.12kW Blower
HAR-300U	225	8.9	2.5	4	SHD-300U / 450U	SHD-300U / 450U	for 0.18kW Blower
HAR-600U	225	8.9	3	4	SHD-600U / 750U	SHD-600U / 750U	for 0.55kW Blower
HAR-900U	225	8.9	4	4	SHD-900U	SHD-900U / 1200U	for 0.55kW Blower
HAR-1200U	225	8.9	4	4	SHD-1200U	SHD-900U / 1200U	for 1.1kW Blower
HAR-1500U	280	11	5	5	SHD-1500U/2000U	SHD-1500U/2000U	for 3kW Blower
HAR-2500U	340	13.4	6	6	SHD-2500U/3500U	SHD-2500U/3500U	for 5.5/7.5kW Blower
HAR-4000U	340	13.4	8	8	SHD-4000U/5000U	SHD-4000U/5000U	for 7.5/11kW Blower
HAR-6000U	420	16.5	8	8	SHD-6000U/7000U	SHD-6000U/7000U	for 15/18.5kW Blower
HAR-8000U	420	16.5	10	10	SHD-8000U	SHD-8000U	for 22kW Blower



Exhaust Air Filter Effectively filters 90% of the dust contained in the air from dryer to avoid pollution.

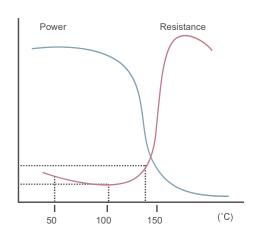


Model	Dia. Pipe			Air Outlet Pipe	Applied to	Fixed Plate
	mm	Inch	Dia. (inch)	Dia. (inch)	**	
ADC-20U	127	5	1.5	2	SHD-20U	SHD-20U
ADC-40U	127	5	1.5	2	SHD-40U	SHD-40U
ADC-80U	225	8.9	2	3	SHD-80U/120U	SHD-80U/120U
ADC-160U	225	8.9	2.5	3	SHD-160U/230U	SHD-160U/230U
ADC-300U	225	8.9	2.5	4	SHD-300U/450U	SHD-300U/450U
ADC-600U	225	8.9	3	4	SHD-600U/750U	SHD-600U/750U
ADC-900U	225	8.9	4	4	SHD-900U/1200U	SHD-900U/1200U
ADC-1500U	280	11	5	5	SHD-1500U/2000U	SHD-1500U/2000U
ADC-2500U	340	13.4	6	6	SHD-2500U/3500U	SHD-2500U/3500U
ADC-4000U	340	13.4	8	8	SHD-4000U/5000U	SHD-4000U/5000U
ADC-6000U	420	16.5	8	8	SHD-6000U/7000U	SHD-6000U/7000U
ADC-8000U	420	16.5	10	10	SHD-8000U	SHD-8000U

Energy-saving Heater

The energy-saving heater uses a special made resistance to heat up. When the heating temperature reaches to a critical value, the resistance value will go up rapidly, sometimes even increase by several orders of magnitude. Consequently, the current going through the heater will rapidly decrease, which actually makes the power reduce to make its temperature not go up any more and keep it in a certain temperature. add "EH" at the end of the model code.





- Adopt double-layer heat insulated hopper, add "I" at the end of the model code.
- Adopt European safety circuit, add "CE" at the end of the model code.

Dehumidifying Dryer

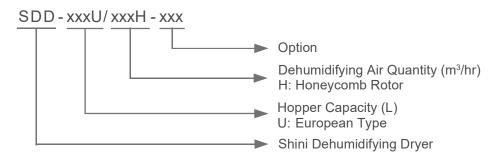


SDD-80U/40H

SDD Series



Coding Principle



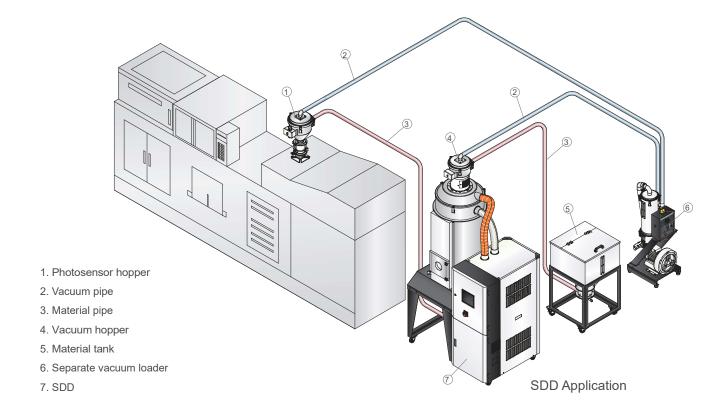
Features

- Adopt molecular sieve structure honeycomb, which provides low dew-point dry air and is superior to double-barrel dehumidifier that will contaminate raw material due to damaged molecular sieve.
- Dehumidifying and drying function are integrated to ensure high efficiency.
- Insulated drying hopper features dry air down-blowing and cyclone exhaust design. This improves drying efficiency and reduces heat loss, saving energy.
- The dehumidifying section of the SDD series adopt cooler to ensure a low return air temperature and low dew-point.
- Microprocessor is the standard equipment, with a temperature controlling accuracy of ±1°C.
- Equipped with weekly timer, machine can automatically operate.



Control Panel

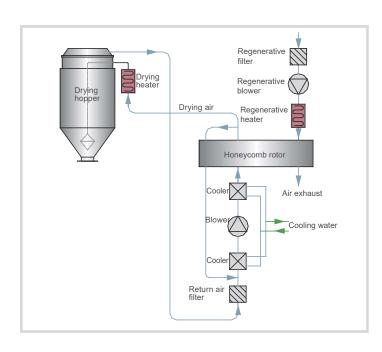
Application



SDD Series

Working Principle

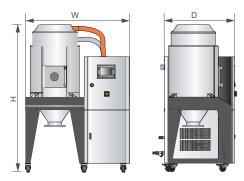
Damp and hot air from dry material barrel is blown into rotor after cooled. Moisture from the air is absorbed by rotor and is then adsorbed by regeneration heating air. Two strands of airflow function on the rotor. And with the rotation, moisture from the air is absorbed and expelled after absorbed regeneration air to form stable low dew-point air, which is dried to the drying temperature and then is blown into material barrel to closed circle to dry material.



Outline Drawings



SDD-40U/40H~230U/120H



SDD-300U/200H~1200U/700H

Specifications

	•													
	ode DD-		40U/ 40H	80U/ 40H	120U/ 80H	160U/ 80H	160U/ 120H	230U/ 120H	300U/ 200H	450U/ 200H	600U/ 400H	750U/ 400H	900U/ 700H	1200U/ 700H
	egen eater V)			3	3			4	1		7.2		10	
Blo	gen ower 1,50/6		0.1	2			0.	4			0.7	'5	1.	5
	ying ater V)			2	1	6			12		18		2	4
Blo	ying ower 1,50/6	OHz)	0.1	2		0.75			1.	5	3.7	75	7.	5
Vo	Dry Air Volume (m³/hr)		40		80		120		20	00	40	00	70	00
ated	per L		40	80	120	16	0	230	300	450	600	750	900	1200
Insul	Hopper Hopper		10.6	21	31.7	42	.3 60.8		79.3	119	158.5	198	238	317
	Н	mm	1509	1796	1817	1740	2070	2052	2040	2440	2380	2610	2640	3070
	11	inch	59.4	70.7	71.5	68.5	81.5	80.8	80.3	96	93.7	102.8	104	121
Dimension	W	mm	978	1060	1061	1220	1061	1210	14	50	174	45	214	40
Dime	VV	inch	38.5	41.7	41.8	48	41.8	47.6	5	7	68	.7	84	.3
	mm		931	1030		89	3		1050		1255		1380	
	D inch		36.7	40.6		35	.2		41	.3	49.4		54.3	
-	weignt	kg	165	190	250	255	265	295	420	550	620	650	830	870
	We	lb	364	419	551	562	584	650	926	1213	1367	1433	1830	1918

Notes: 1) Plastic materials can be fully dried by drying air with dew-point temperature ≤-20°C. 2) Power: 3Φ, 230/400/460/575VAC,50/60Hz.

Options Dehumidifier

Touch-control HMI



Models with touch-control HMI (adopt PLC HMI) is optional, add "LC" at the end of the model code.

Dew-point Monitor (portable)



Models with optional portable dew-point monitor is convenient to test dew-point temperature of different machines.

Function	Specificatio	n						
Display		-time Curve Display supports e\Japanese\Korean version.						
	-50+50°C td							
Range	Pressure	-0.11.5MPa td						
	Temperature	-30+50°C						
	Dew point	±2°C td@-50°C td						
	Pressure	±0.005MPa						
Accuracy	Temperature	±0.3°C						
	Condition	temp.: 23°C ± 3°C Humidity: <90% no condensation						
Other Units	g/m³, mg/m³,	, ppmv, g/kg						
	Memory space	4G, data can be exported by memory card						
Data Record	Number of files	≤512 files						
	Medium	SD card						

Oil Filter



Oil filter is optional to filter the oil substance in return air for honeycomb protection.

Model	Applied to
EOF-30	SD-40H~120H
EOF-150	SD-150H / 200H
EOF-300	SD-300H / 400H
EOF-500	SD-700H
EOF-1000	SD-1000H
EOF-1500	SD-1500H
EOF-2000	SD-2000H
EOF-3000	SD-3000H
EOF-4000	SD-4000H

Options Dehumidifier

Cyclone Dust Collector



Cyclone dust collector is optional to collect the dust in return air.

Model	Applied to
ACF-3"	SD-300H / 400H
ACF-4"	SD-700H
ACF-5"	SD-1000H
ACF-6"	SD-1500H
ACF-8"	SD-2000H / 3000H
ACF-12"	SD-4000H

Optical Powder-removing Hopper



Optical SCD-OP series together with powder- removing hopper which can help avoid stain in the production; material contact surfaces are all mirror polished and collocates conveying system with closed loop to avoid contamination and moisture regain; system has standard configuration high efficiency particulate absorbing filter, which can filter tiny ion of 0.3µm with filter ratio of 99.995%. (Only applicable to SCD-20U/30H~SCD-120U/80H)

Optical Material

High Efficiency Particulate Absorbing Filter HEPA(0.3µm)



For optical model, two devices above are optional to ensure no material contamination.

- For SD-H, controllable drying heater is optional, add "C" at the end of the model code. (Only Applicable for SD-1000H~4000H)
- For SD-H, inbuilt drying heater is optional, add "PHC" at the end of the model code. (Only applicable for SD-40H~700H)
- For SD-H, intelligent airflow regulating function is optional, add "SM4", "SM8" at the end of the model code, in which the number behind SM depends on the quantity of collocated Modular Dryer. For example, if the quantity of Dryer is less than 4, select SM4 and so on. A touch panel is indispensible if this function is selected. This optional function should work with MHD-U Modular Hopper Dryer, please refer to the dehumidifying and drying modularization.
- For SDD, suction box and auto loader, which are convenient for material conveying, are optional.
- For models with energy-saving drying management, add "ES" at model end, standard equipped with HMI touch control, which can reduce 41% of total power consumption at most. Volume used per hour can be set between 40~100% of drying capacity to reduce 35%~0 of totally power consumption; Standard equipped with heat regenerating recycler which recycles the heat of exhausted air via plate heat exchanger and can reduce 3%~6% of total power consumption. Meanwhile, dew-point value can be set to automatically control the temperature required by regeneration, saving 0~10% power consumption according to dew-point ranging from -40°C to 10 °C.
- For models with drying heat recycler, add "HE" at the end of model code. Dehumidified low temperature air recycles the heat of hot-wet return air via plate heat exchanger, which can raise the air temperature in drying heater and reduce the power consumption of the heater, as well as reduce 0%~19% of total power consumption. Applicable to SDD and SCD.
- For SCD, three-stage conveying function is available to simultaneously feed two sets of injection molding machines. Add "M2" at the end of the model code.
- For models with polished hopper inside, add "P" at the end of the model code.

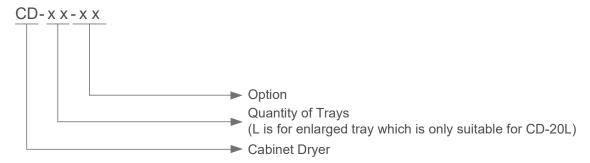


Cabinet Dryer



CD Series

Coding Principle



Features

- Accurate P.I.D. temperature control to achieve even drying effect.
- Air-proofed insulated door can maintain temperature constantly inside to reduce energy consumption.
- Stainless steel tray and liner bring no contamination to
- Unique design of adjustable air inlet and exhaust.
- 24 hours timer, easy to operate.
- Overheat protector can prevent excessive drying.
- Motor overload relay.
- Visible alarm to indicate troubles immediately
- Power would be automatically cut off when drying temperature exceeds set deviation value to protect thermal fuse.



Temperature Controller

Application

CD series of cabinet dryers are mostly used for simultaneous drying of different kinds of polymers in small quantities or for drying materials for trial molding. They can also be applied in electronic engineering, electroplating, pharmacy, paint baking, printing industries, etc. for preheating or drying related products.



CD-20L

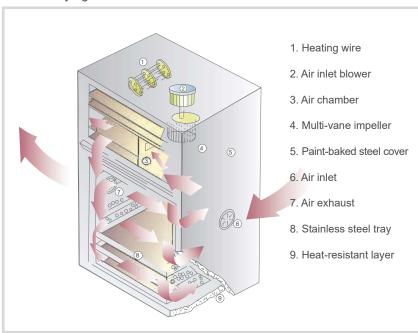
Options

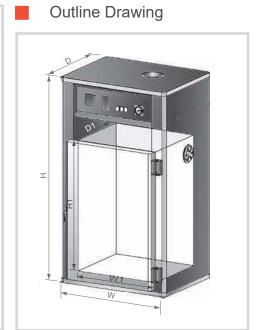
- Air exhausting device should be opted for when handling with the volatile material.Add "EAD" at the end of the mode code.
- Flanges of air inlet and outlet are optional.Add "FL" at the end of the mode code.



Working Principle

For cabinet dryers, materials to be dried are placed on the stainless steel made moveable material trays. During operation, process air will flow to heating wire and be heated up to required temperature, then flow through a manifold with evenly scattered holes. Moisture air is sent out through air exhaust port. It is designed to achieve an even drying effect.





Specifications

Mode	el		CD-5	CD-9	CD-20	CD-20L	CD-5-HT	CD-9-HT	CD-20-HT	CD-20L-HT
Heat	ter (kW)		4	4.5	9	18	4	4.5	9	18
Blov	wer(50/60H	Hz,KVV)	0.37/0.55	0.37/0.55	1.5	1.5	0.37/0.55	0.55	1.5	1.5
Highe	st	°C	200	200	200	200	250	250	250	250
Temp.		°F	392	392	392	392	482	482	482	482
Tray	Quantity		5	9	20	20	5	9	20	20
Total		kg	50	90	200	450	50	90	200	450
Capa	city	lb	110	198	441	992	110	198	441	992
_		mm	1200	1440	1700	1865	1380	1640	1887	2052
sior	Н	Inch	47.2	56.7	67	73.4	54.3	64.6	74.3	80.8
Dimension	W	mm	800	800	1210	1800	860	920	1310	1900
Ξi	VV	Inch	31.5	31.5	47.6	70.9	33.9	36.2	51.6	74.8
Outer	D	mm	610	610	860	1060	731	731	1032	1232
Õ	D	Inch	24	24	33.9	41.7	28.8	28.8	40.6	48.5
_	H1	mm	660	900	1000	1200	660	900	1000	1200
Dimension	пі	Inch	26	35.4	39.4	47.2	26	35.4	39.4	47.2
Jen.	W1	mm	600	600	990	1600	600	600	990	1600
Dii	VVI	Inch	23.6	23.6	39	63	23.6	23.6	39	63
Inner	D1	mm	550	550	800	1000	550	550	800	1000
<u>=</u>	DI	Inch	21.7	21.7	31.5	39.4	21.7	21.7	31.5	39.4
Net		kg	150	180	415	550	200	252	587	778
Wei	ght	lb	331	397	915	1213	441	556	1294	1715

Notes: 1) "HT" stands for heat insulation model, the surface temperature of which will not be more than $80^{\circ}\text{C}/176^{\circ}\text{F}$ when setup temperature is $250^{\circ}\text{C}/482^{\circ}\text{F}$.

- 2) When drying temperature is below $150^{\circ}\text{C}/302^{\circ}\text{F}$, "HT" models can keep internal temperature accuracy of ±5°C/±9°F, when it is above 150°C/302°F, internal temperature accuracy is ±12°C/21.6°F.
- 3) Above loading capacity is based on pellet material of 0.65kg/L(5.4lb/gal) in bulk density and 3~5mm (0.12~0.2inch) in diameter.
- 4) Power: 3Φ,230/400/460/575VAC, 50/60Hz.

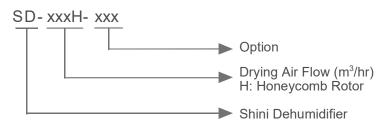
Honeycomb Dehumidifier

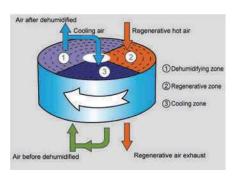


SD-H Series



Coding Principle





Honeycomb Rotor Working Principle

Features

- Adopts P.I.D. temperature controller to accurately control regenerative temperature.
- The dehumidifying system of the SD-H series features coolers to ensure a low return air temperature and low dew-point.
- Inbuilt return air filter avoids honeycomb contamination and ensures long service life.
- Adopt molecular sieve structure honeycomb, which provides low dew-point dry air and is superior to double-barrel dehumidifier that will contaminate raw material due to damaged molecular sieve.
- Equipped with weekly timer, machine can automatically operate.



Control Panel

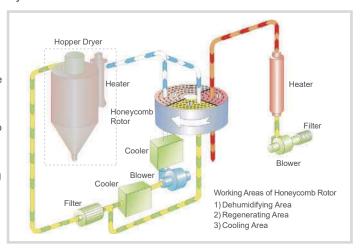
Application

SD-H series honeycomb dehumidifiers are mainly used to dry hygroscopic engineering plastics. A honeycomb-rotor is used to offer effective drying, which under ideal conditions, can supply dehumidified dry air with dew-point lower than -40°C/-40°F, the largest of which can provide dry air up to a quantity of 4,000 m³/hr.

What is honeycomb rotor?

The main part of honeycomb rotor is made by ceramic fiber and organic additives, sintered under high temperature with molecular sieve or silica gel as basic material to bond together with inside of honeycomb to form the honeycomb-like structure. Unlike common desiccant or rotary molecular sieve, then, when aging, will produce dust, followed by process air to drying hopper, to pollute plastic material. Honeycomb rotor offers unlimited long service life and can be cleaned and not like usual molecular sieve which is easy to get saturated or requiring regular replacement. The moisture of return air is quickly absorbed by molecular sieves when passing through numerous holes within honeycomb rotor. So when coming out of rotor, can form low dew-point dry air. Regenerating and dehumidifying have similar principle and run simultaneously. The only difference is that the two process winds are in opposite direction.

System Flow Chart



SD-H Series

Drying Capacity

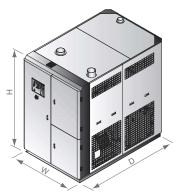
	Drying	Dring	Specific	Bulk	Moisture Content	Moisture Content					Dr	rying cap	acity (kg/	hr)			
Material	Temp. (°C)	Time (hr)	Heat (kcal/kg.°C)	Density (kg/L)	before Drying (%)	after Drying (%)	SD-40H	80H	120H	200H	400H	700H	1000H	1500H	2000H	3000H	4000H
ABS	80	2-3	0.34	0.6	0.3	0.02	16	27	35	105	210	355	425	710	1065	1500	1600
CA	75	2-3	0.5	0.5	1	0.02	12	22	30	90	180	295	355	590	885	1200	1330
CAB	75	2-3	0.5	0.5	0.8	0.02	12	22	30	90	180	295	355	590	885	1200	1330
СР	75	2-3	0.6	0.6	1	0.02	16	27	35	106	210	355	425	710	1060	1500	1600
LCP	150	4	0.6	0.6	0.04	0.02	11	20	27	80	160	265	320	530	800	1150	1200
POM	100	2	0.35	0.6	0.2	0.02	24	40	53	160	320	530	640	1060	1600	1800	2400
PMMA	80	3	0.35	0.65	0.5	0.02	17	29	38	115	230	383	460	767	1150	1530	1730
IONOMER	90	3-4	0.55	0.5	0.1	0.04	10	17	22	66	133	220	265	442	663	750	1000
PA6/6.6/ 6.10	75	4-6	0.4	0.65	1	0.05	9	14	19	58	115	192	230	383	575	960	1040
PA11	75	4-5	0.58	0.65	1	0.05	10	17	23	69	138	230	275	460	690	780	1150
PA12	75	4-5	0.28	0.65	1	0.05	10	17	23	69	138	230	275	460	690	780	1150
PC	120	2-3	0.28	0.7	0.3	0.01	19	31	41	124	250	413	495	826	1238	1400	1860
PU	90	2-3	0.45	0.65	0.3	0.02	17	29	38	115	230	383	460	767	1150	1530	2080
PBT	130	3-4	0.3-0.5	0.7	0.2	0.02	13	23	31	93	186	310	372	620	930	1100	1600
PE	90	1	0.55	0.6	0.01	<0.01	47	80	106	318	637	1062	1275	2125	3185	3600	4800
PEI	150	3-4	0.6	0.6	0.25	0.02	11	20	27	80	160	265	320	530	800	1030	1370
PET	160	4-6	0.3-0.5	0.85	0.2	0.05	11	19	25	75	150	250	300	500	750	1150	1360
PETG	70	3-4	0.6	0.6	0.5	0.02	11	20	27	80	160	265	320	530	800	1030	1370
PEN	170	5	0.85	0.85	0.1	0.05	13	23	30	90	180	300	360	600	900	1150	1360
PES	150	4	0.7	0.7	0.8	0.02	13	23	30	90	180	300	360	600	900	1050	1400
PMMA	80	3	0.65	0.65	0.5	0.02	17	29	38	115	230	385	460	765	1150	1530	1730
PPO	110	1-2	0.4	0.5	0.1	0.04	19	33	44	133	265	440	530	885	1330	1730	2660
PPS	150	3-4	0.6	0.6	0.1	0.02	11	20	27	80	160	265	320	530	800	1030	1370
PI	120	2	0.27	0.6	0.4	0.02	24	40	53	160	320	530	640	1060	1600	1800	2400
PP	90	1	0.46	0.5	0.1	0.02	39	66	88	265	530	885	1060	1770	2655	3500	4000
PS(GP)	80	1	0.28	0.5	0.1	0.02	39	66	88	265	531	885	1062	1770	2655	3500	4000
PSU	120	3-4	0.31	0.65	0.3	0.02	12	22	29	85	173	290	345	575	865	1300	1485
PVC	70	1-2	0.2	0.5	0.1	0.02	19	33	44	135	265	442	530	885	1330	1730	2660
SAN(AS)	80	1-2	0.32	0.5	0.1	0.05	19	33	44	135	265	442	530	885	1330	1730	2660
TPE	110	3	0.7	0.7	0.1	0.02	18	30	40	125	250	413	495	826	1238	1650	1860



Outline Drawings







SD-1000H~2000H



SD-3000H~4000H

Specifications

Мо	del	SD-	40H	80H	120H	200H	400H	700H	1000H	1500H	2000H	3000H	4000H
Reg	ge. Heater	(kW)	3	3	3	4	7.2	10	15	28	28	32	56
	e. Blower 50/60Hz)		0.4/0.4	0.4/0.4	0.4/0.4	0.4/0.5	0.75/0.9	1.5/0.8	3.75/4.7	7.5/8.6	7.5/8.6	9/11	5.5×2/6.3×2
Process Heater* (kW) Process Blower		4	6	6	12	18	24	32	58	80	96	128	
	ess Blower 50/60Hz)		0.12/0.12	0.75/0.9	0.75/0.9	1.5/1.8	3.75/4.5	7.5/8.6	13/16	9×2/11×2	13×2/15×2	13×3/15×3	13×4/15×4
	ng Air Quantit nr, 50/60Hz)	у	40/47	80/95	120/130	200/220	400/450	700/780	1000/1150	1500/1750	2000/2300	3000/3400	4000/4500
	e Dia. (inc	h)	2	2	2	2.5	3	4	5	6	8	8	12
Cool	ing Water	L/min	5	10	15	30	50	80	120	180	240	360	480
Flow	Rate	gal/min	1.32	2.6	4	8	13.2	21	31.7	47.6	63.4	95	126.8
	Н	mm	1260	1360	1360	1560	1745	1935	2145	2060	2060	2240	2060
_	П	inch	49.6	53.5	53.5	61.4	68.7	76.2	84.4	81.1	81.1	88.2	81.1
ISion	W	mm	510	530	530	660	700	900	1300	1410	1410	2035	2750
Dimension	VV	inch	20	20.9	20.9	26	27.6	35.4	51.2	55.5	55.5	80.1	108.3
	D	mm	860	820	820	1050	1255	1380	1550	2150	2150	2160	2250
	D	inch	33.9	32.3	32.3	41.3	49.4	54.3	61	84.6	84.6	85	88.6
\//	Weight kg		145	170	170	265	330	480	700	1010	1300	1600	2200
VV	eigiit	lb	320	375	375	584	728	1058	1543	2227	2866	3527	4850

Notes: 1) Plastic materials can be fully dried by drying air with dew-point temperature ≤-20°C.
2) "*" Stands for drying heater is optional equipment for working with

We reserve the right to change specifications without prior notice.

[&]quot;European type" hoppers.
3) Power: 3Φ, 230/400/460/575VAC, 50/60Hz.

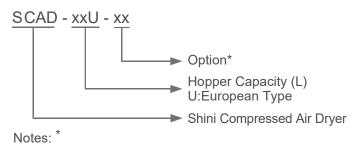
Compressed Air Dryer



SCAD-U Series



Coding Principle



T=Timer P=For Polished Hopper Inside



SCAD-12U

Features

- P.I.D. temperature controller can reach the accuracy of ±1°C, the weekly timer is available with SCAD-12U~40U.
- Adopts compressed air to dry plastic materials with good and stable drying effect, and is not influenced by ambient temperature and humidity.
- Hopper of SCAD-1~6U adopts double-layer high-temp. resistant tube whose inside is made of glass tube and outside is made of PC tube.
- Storage hopper of SCAD-12~40U is made of stainless steel to ensure no material contamination.
- Function of compressed air pressure detection makes a safe and reliable operation.
- Voltage-output type temperature controller collocating with SSR control loop can effectively prolong the lifespan of device.
- Equipped with overheat protection to avoid excessively high drying temperature.
- Equipped with air outlet filter, which is used to filter dried air exhausted to outside.
- Warning light can monitor machine operation.



Control Panel

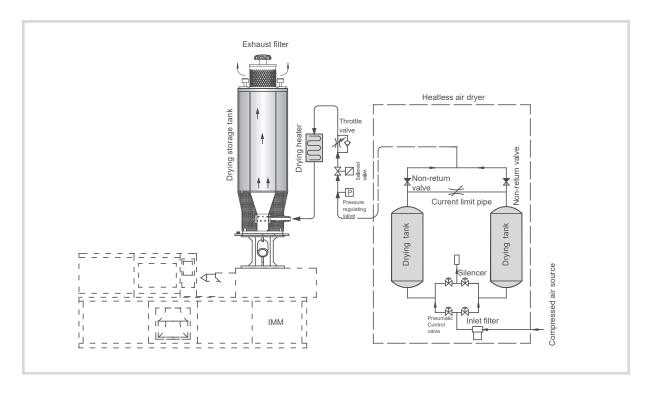
Options

- Optionally equipped with heatless regenerative air dryer, the dew-point temperature can reach -40°C below. It mainly used to dry hygroscopic engineering plastics, and its power consumption is 35% lower than honeycomb dehumidifier.
- SCAD-1~6U can be optionally collocated with venturi loader VL-50 to achieve automatic material feeding.
- 24-hour auto start/stop timer is optional for SCAD-1~6U.

SCAD-U Series

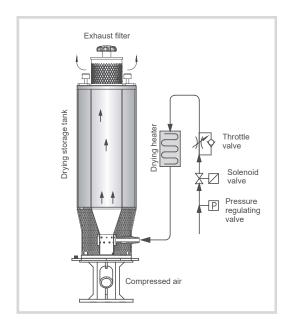
Application

Applicable for small batch drying of commonly-used engineering plastics such as ABS and PS, also suitable for pre-heating treatment before plastics molding.



Working Principle

The working principle is that compressed air flows into heating case after through pressure regulating valve and solenoid valve, and finally exhaust into air. At the same time, the dew-point is reduced. The heated compressed air is blown into the heat-preservation hopper to dry materials, and it exhaust into air through filter to remove water in raw materials.



Working Principle of SCAD-6U and Models Below

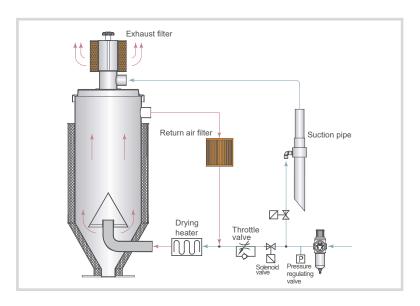


Drying

Under normal operation, high pressure air is blown into heating cabinet via solenoid valve and air diffusing equipment, then into drying hopper to dry up material. Air is discharged through return air filter for recycle.

Loading

Hi-pressure air was controlled by solenoid valve and blown into suction pipe, then accelerating flow of air generates negative pressure to drive material feeding, which draws material into drying hopper. Air is discharged out through filter.



Working Principle of SCAD-12U and Models Above

Options



Heatless Air Dryer HAD

Function

The dew-point of compressed air can reach -40°C under standard atmosphere which meets the requirement of drying materials and molding of plastics.

Installation

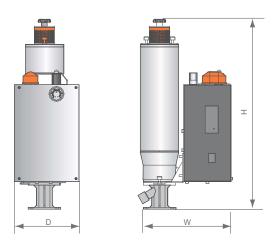
It can be fixed on the molding machine or column of the foot stand. The air outlet and air inlet of SCAD-U are connected with air pipelines.

Notes

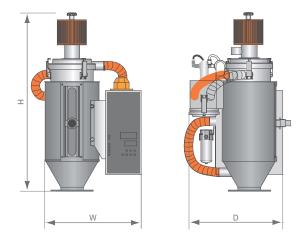
Please clean up the filter regularly for fear that water or oil enters the drying hopper which damages the molecular sieve and influences the dehumidifying performance.

SCAD-U Series

Outline Drawings



SCAD-6U and Models Below



SCAD-12U and Models Above

Specifications

	_ Drying	Drying Hopper	Heater Power		ure Air	Dimensions (mm)	Weight
Model	Temp.max (°C)	Capacity (L)	(W)	Pressure (kgf/cm²)	Air Consumption (m³/hr)	(H × W × D)	(kg)
SCAD-1U		1			2.4	650 × 310 × 220	10
SCAD-3U		3	300		3.0	680 × 320 × 220	13
SCAD-6U	160	6		6~10	3.75	870 × 350 × 220	15
SCAD-12U	100	12	600	0 10	4.25	780 × 430 × 455	25
SCAD-20U		20	600		7	882 × 467 × 460	30
SCAD-40U		40	1,200		14	1273 × 498× 488	45

Notes: 1) Compressed Air: Oil content ≤3mg/m³.

2) Power supply: 1Φ, 230VAC, 50Hz / 60Hz.

We reserve the right to change specifications without prior notice.



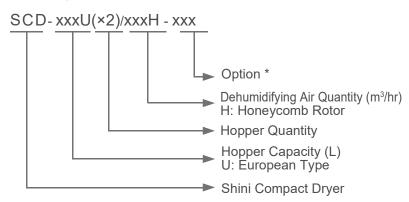
"All-in-One" Compact Dryer



SCD-230U/120H

SCD Series

Coding Principle



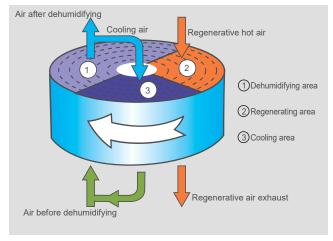


Features

- Combine the function of dehumidifying, drying and two-stage conveying into a single unit.
- Adopt molecular sieve structure honeycomb, which provides low dew-point dry air and is superior to double-barrel dehumidifier that will contaminate raw material due to damaged molecular sieve.
- Feeding system is equipped with shut-off valve to ensure no surplus raw material in hopper tubes and avoid raw material from regaining moisture.
- Equipped with microprocessor to accurately control drying temperature.
- Heat preserved drying hopper barrel adopts down blowpipe design and collocates with cyclone air exhaust to avoid heat lost and improve drying efficiency.
- Equipped with two drying hoppers, the drying temperature of single hopper can be individually controlled. It mainly applied to double-shot molding machine, which can process dehumidifying and drying to two different drying materials.
- Equipped with weekly timer, machine can automatically operate.



SCD-80U×2/100H



Honeycomb Rotor Working Principle

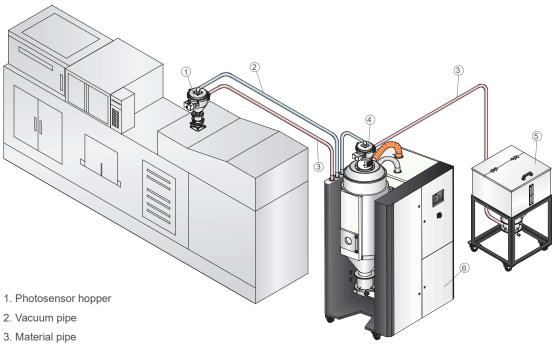


Control Panel

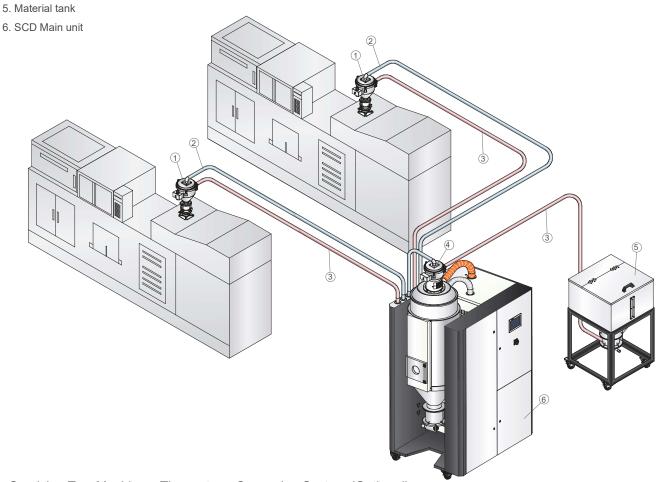


Application

4. Vacuum hopper

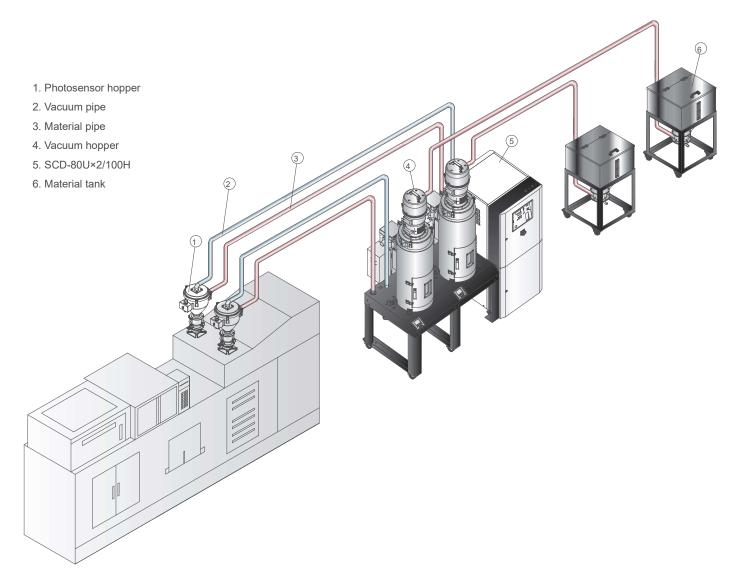


For Servicing One Machine: Two-stage Conveying System (Standard)



For Servicing Two Machines: Three-stage Conveying System (Optional)

SCD Series



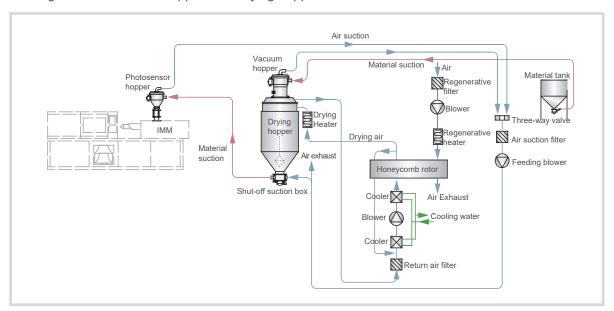
"One-to-Two" Compact Dryer



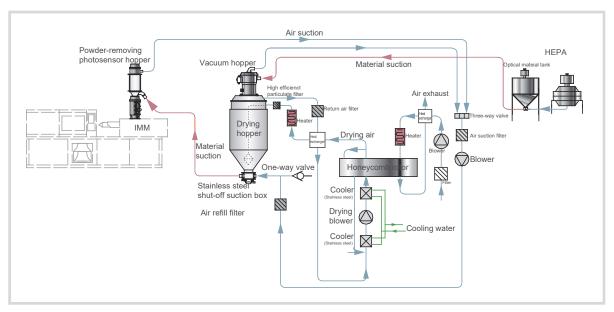
Working Principle

Dehumidifying: damp and hot air from dry material barrel is blown into rotor after cooled. Moisture from the air is absorbed by rotor and is then adsorbed by regeneration heating air. Two strands of airflow function on the rotor. And with the rotation, moisture from the air is absorbed and expelled after absorbed regeneration air to form stable low dew-point air, which is dried to the drying temperature and then is blown into material barrel to closed circle to dry material.

Suction: material is absorbed into barrel from storage barrel or other storage containers. When the magnetic reed switch detects no material, suction motor runs to produce vacuum inside vacuum hopper. Raw material in storage barrels is absorbed into suction hopper due to air pressure difference. When material suction completes, motor stops. Raw materials drop into drying hopper barrel due to gravity. The dried raw material after dried is taken out to the hopper with photosensor installed on molding machine or other hopper from drying hopper barrel.



SCD Working Principle

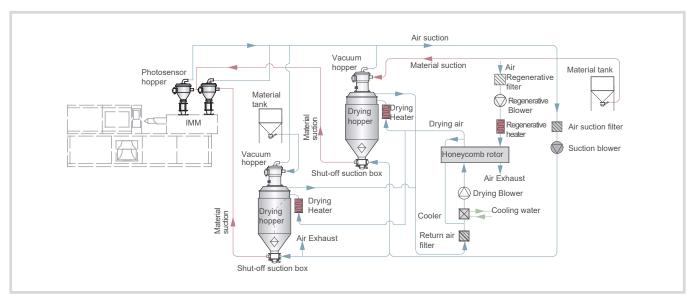


SCD-OP-ES Working Principle

SCD Series

Dehumidifying: damp and hot air from two dry material barrels via the filter and condenser is blown into rotor. Moisture from the air is absorbed by rotor, then absorbed and expelled by regeneration heating air with rotor rotation. Two strands of airflow function on the rotor. And with the rotation, moisture from the air is absorbed and expelled after absorbed regeneration air to form stable low dew-point drying air. The low dew-point drying air through heater then get into the two storage barrels separately to dehumidify material in the barrels. The damp and hot air expelled by storage barrel after drying, return to the filter and condenser again to process dehumidifying in the rotor. Thus, the closed circle is formed to dry material.

Suction: material is absorbed into two drying hoppers from different storage barrels or other storage containers. When the magnetic reed switch detects no material, suction motor runs to produce vacuum inside vacuum hopper. Raw material in storage barrels is absorbed into suction hopper due to air pressure difference. When material suction completes, motor stops. Raw materials drop into drying hopper barrel due to gravity. As the same, the dried raw material after dried is taken out to the hopper with photosensor installed on the double-shot molding machine.



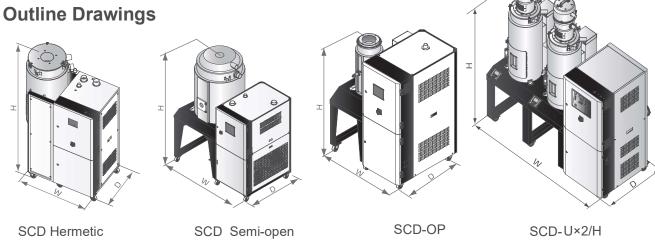
SCD-Ux2/H Working Principle



Specifications (Hermetic)

Mod	del S	SCD-	20U/30H -OP	40U/30H -OP	80U/50H -OP	120U/80H -OP	40U/ 40H	80U/ 40H	120U/ 80H	160U/ 80H	160U/ 120H	230U/ 120H	300U/ 200H	450U/ 200H
Ē	Drying He Power (kV		3	3	4	6	4	4	4	4	6	6	12	12
Drying System	Drying Blo Power (kV		0.4	0.4	0.4	0.75	0.12	0.12	0.75	0.75	0.75	0.75	1.5	1.5
Dry	Hopper	L	20	40	80	120	40	80	120	160	160	230	300	450
	Capacity	gal	5.3	10.6	21.1	31.7	10.6	21.1	31.7	31.7	42.3	60.8	79.3	119
stem	Regenerat Heater Power (kV		3	3	3	3	3	3	3	3	4	4	4	4
Dehumidifying System	Regenera Blower Power (k)		0.4	0.4	0.4	0.4	0.12	0.12	0.4	0.4	0.4	0.4	0.4	0.4
Dehumi	Dehumidif Air quantit (m³/hr)	, ,	30	30	50	80	40	40	80	80	120	120	200	200
	Feeding Blower Power (kV	V)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Feeding System	Dia. of Material Pipe (inch	1)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
ding	CLIDILLE	L	3*	3*	3*	3*	3	6	6	6	6	12	12	12
Fee	SHR-U-E	gal	0.8*	0.8*	0.8*	0.8*	0.8	1.6	1.6	1.6	1.6	3.2	3.2	3.2
	SHR-U	L	3	3	6	6	3	6	6	6	6	12	12	12
	31117-0	gal	0.8	0.8	1.6	1.6	0.8	1.6	1.6	1.6	1.6	3.2	3.2	3.2
	Н	mm	1400	1500	1670	1710	1672	1751	1957	2102	2102	2012	2160	2350
_		inch	55	59	65.7	67.3	65.8	68.9	77	82.8	82.8	82.8	85	92.5
Dimension	W (mm)	mm	1050	1050	1240	1240	1051	1066	1125	1125	1125	1223	1460	1460
Jime	()	inch	41.3	41.3	48.8	48.8	41.4	42	44.3	44.3	44.3	48.1	57.5	57.5
	D (mm)	mm	900	900	1000	1000	734	734	734	734	734	734	1020	1020
	D (mm)		35.4	35.4	39.4	39.4	28.9	28.9	28.9	28.9	28.9	28.9	40.2	40.2
		kg	235	280	330	385	295	325	340	350	390	420	565	595
Wei	gnt	lb	518	617	728	849	650	1433	750	772	850	926	1246	1312

SCD Series



Specifications (Semi-open)

М	odel	SCD-	600U/400H	750U/400H	900U/700H	1200U/700H	80U×2/100H	160U×2/200H
_	Drying Heater Power	(kW)	18	18	24	24	3.9×2	6×2
Drying System	Drying Blower Powe (kW, 50/60Hz)	r	3.75/4.5	3.75/4.5	7.5/8.6	7.5/8.6	0.4/0.46	1.5/1.72
Dryin	Hopper Capacity	L	600	750	900	1200	80×2	160×2
	Поррег Сараску	gal	158.5	198	237.8	317	21.1×2	42.2×2
/stem	Regenerative Heater Power (kW)		7.2	7.2	10	10	3	4
Dehumidifying System	Regenerative Blower Power (kW, 50/60Hz)		0.75/0.9	0.75/0.9	1.5/1.8	1.5/1.8	0.4/0.48	0.4/0.48
Dehumic	Dehumidifying Air quantity (m³/hr, 50/60l	Hz)	400/450	400/450	700/780	700/780	100/111	200/222
	Feeding Blower Powe	r (kW)	1.	.5	3.	75	1.5	1.5
stem	Dia. of Material Pipe (inch)	1.	.5	4	2	1.5	1.5
Feeding System	SHR-U-E Hopper	L	1	2	2	4	6	6
eedir-	SHK-O-E Hopper	gal	3.	2	6	.4	1.58	1.58
ш	SHR-U Hopper	L	1	2	2	4	6	6
	отте отторрог	gal	3.	2	6	.4	1.58	1.58
		mm	2380	2610	2640	3070	2300	2520
	Н	inch	93.7	102.8	104	121	90.6	99.2
Dimension		mm	17	45	21	40	2000	2130
Dime	W	inch	68	3.7	84	1.3	78.7	83.9
		mm	12	55	13	80	1050	900
	D	inch	49).4	54	1.3	41.3	35.4
W	eight	kg	640	690	850	900	400	565
		lb	1411	1521	1874	1984	882	1246

Notes: 1) Plastic materials can be fully dried by drying air with dew-point temperature \leq -20°C.

We reserve the right to change specifications without prior notice.

^{2) &}quot;*" stands for hopper receiver SHR-CP-U.

³⁾ Power: 3Φ, 230/400/460/575VAC, 50/60Hz.



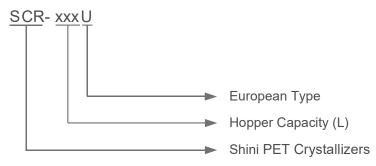
PET Crystallizer



SCR-450U

SCR Series

Coding Principle



Notes:*

CE=CE Conformity ML=Optional with safety ladder

Features

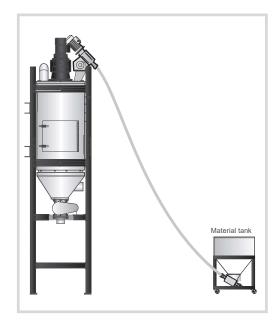
- Fixed speed of agitator makes materials not lump together during the crystallization.
- Simplify and improve drying efficiency.
- Materials can be dried under high temperature to improve drying efficiency.
- Cyclone dust collector is standard, which is applied to dust-rich place. Can effectively reduce the load on filter bag, and reduce the number of times of filter bag cleaning, thus extend the life span of the filter bag.
- With double overheat protector, it can reduce the possibility of either mechanical or man-made problems.
- Equipped with rotary valve with good sealing performance, which can output crystallized material accurately.
- Equipped with material level switch, which can detect material level accurately and make operation reliable.
- Equipped with negative pressure tester(excluding SCR-1600U) to immediately test the ventilation of the filter. Give an alarm when the negative pressure is higher than the setting value, clean the filter to avoid blockage.

Options

- Collocate with dehumidifier to fulfill dehumidification directly.
- Safety ladder is optional(only for SCR-900U and above models).
- Auto loader, Vacuum hopper receiver are optional for material conveying.
- Optional feed screw for stable and even conveying of un-crystallized material.
- External pipeline is optional with the stainless steel configuration.
- Storage Tank MST-R is optional.

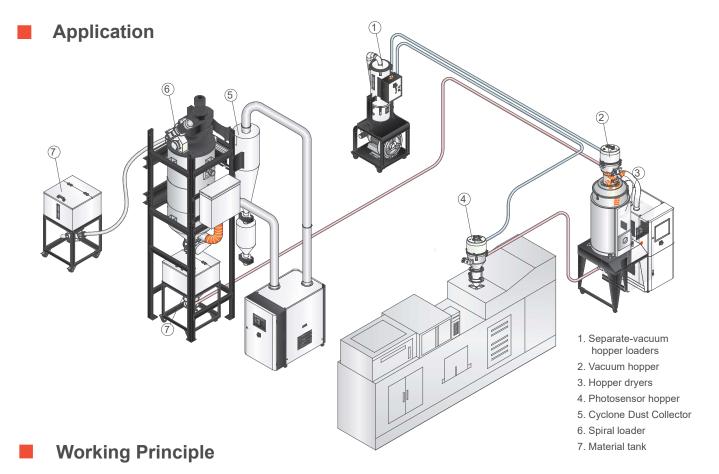


Inner Structure

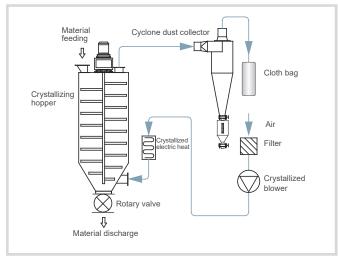


Feed Screw (optional)

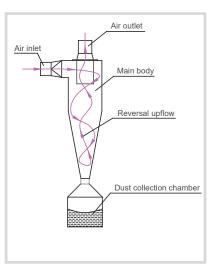




Once material filling starts, heat blower starts up and material heating begins. Control cabinet would stop sending signals to auto loader when material filling amount is higher than material level switch. Then material heating lasts for a while. When temperature sensing needle detects the value of reaching the set crystallized temperature, material would be conveyed out via feeding device; meanwhile, as material level in hopper lowers gradually, filling device starts to supply the uncrystallized material accordingly to realize the continuous crystallization process. When temperature sensing needle detects the temperature value of stopping material conveying, feeding device halts. If temperature rises again to reach the set crystallized temperature, feeding device will be activated to work so that the continuous crystallization process can be realized through this kind of circle.



Working Principle



Working Principle of Cyclone Dust Collector

SCR Series

Outline Drawings H3 H2 W 1 W SCR-160U SCR-450U SCR-900U (Maintenance ladder is optional) Н3 H3 W3 W W

SCR-1600U (Maintenance ladder is optional)

SCR-2500U(Maintenance ladder is optional)



Specifications

Model		SCR-160U	SCR-450U	SCR-900U	SCR-1600U	SCR-2500U	
Heater Power	(kW)	12	24	48	96	128	
Blower Power(kW, 5	,	0.55	2.2	3	7.5	15	
Blending Motor Powe kW, 50 / 60Hz)	er	0.25	0.55	1.5	2.2	4	
Max.	kg/hr	50	150	300	500	750	
Throughput	lb/hr	110	331	661	1102	1653	
Hopper	L	160	450	900	1600	2500	
Capacity	Gal	42.3	118.9	237.8	422.7	660.4	
ш	mm	2380	3850	4550	5350	5710	
Н	inch	93.7	151.6	179.1	210.6	224.8	
	mm	280	720	1040	820	890	
11	inch	11	28.3	40.9	32.2	35	
10	mm	380	1060	1185	1240	1270	
H2	inch	15	41.7	46.7	48.8	50	
10	mm	-	-	5260	6010	6260	
13	inch	-	-	207	236.6	246.5	
A./	mm	1040	2370	2890	2510	3700	
N	inch	40.9	93.3	113.8	98.8	145.7	
A / 4	mm	1140	1440	1930	2160	2310	
V1	inch	44.9	56.7	76	85	90.9	
A 10	mm	-	800	800	-	800	
N2	inch	-	31.5	31.5	-	31.5	
A 10	mm	-	-	3640	3295	4400	
V3	inch	-	-	143.3	129.7	173.2	
	mm	-	-	2020	2200	2360	
N4	inch	-	-	79.5	86.6	92.9	
. A	mm	3	5	6	8	8	
ÞΑ	inch	0.12	0.2	0.24	0.31	0.31	
_	mm	4	4	5	5	5	
ÞΒ	inch	0.16	0.16	0.2	0.2	0.2	
	kg	235	500	865	2290	2790	
Veight	lb	518	1102	1907	5049	6151	

Notes: 1) Above maximum processing capacity is based on uncrystallized PET material of 0.85kg/L in density and 3~5mm in diameter. 2) Power: 3Φ, 230 / 400 / 460 / 575VAC, 50 / 60Hz.

We reserve the right to change specifications without prior notice.

PET Property

PET material is well-used in textile fiber, food and chemical packaging. Tape stripes, industry thread, heat-resistant dishware. Air bubble and chapping will take place due to its high moisture content.

With this drying demand and the development on plastic industry, Shini provides a series of secured and reliable drying and dehumidifying technologies for PET molding and other PET product manufacturers.

Shini's PET system has great technology to meet various application needs.

- Bottle and blank making
- Thermal forming film and sheet making
- Strapping tape and industrial yarns making
- **Tubing making**
- Waste recovery making