



ahc Cellula Runner-Desiccant Dryer SERIES



AHC-series can make the materials to be shown very well, also let the products to be the best. AHC-series is the key point in whole process. Not only eliminate badly condition of scars, bubbles, silver lines and transparency, but also make the character of plastic be perfect, produce expediting, increase quantity and reduce dryer time. You can compete with other competition when you choose AHC-series.

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讓原料發揮最好物性，讓產品展現最美的一面，絕對需要 AHC 系列。它在生產過程中佔了關鍵的因素，不僅排除流痕、水泡、銀線、透明度不佳...等現象，更可理想化塑膠的特性，縮短乾燥時間，加速生產，提高產量，一定確保您的優勢競爭力。

Feature

- (1) AHC Series adopt the silica gel pipe by fiber glass and it can stand , strong heat, strong acid, alkali and durable, heat range: -25°C to 300°C .
- (2) Airtight & cycle design, drying, regenerating area, can work independently, and provide stable dew point from -40°C to -50 °C .
- (3) Heat exchanger 1.2 grade has copper and aluminum to lower the temperature rapidly. Be used to lower temperature of cooling dryer.
- (4) Micro PC controller has optoelectronics coincidence and much stronger interference ability; high-power and no contact for outputting by solid state. Be driven directly and PID Temp control system.
- (5) High efficiency filter can filter 0.3 um impurities and dust.

特點

- (1) 採用耐高溫玻璃纖維矽膠管，耐強酸、強鹼且耐用，耐溫範圍：-25°C 至 +300°C 。
- (2) 閉環式設計，除濕區、再生區、冷卻區獨立動作，提供穩定露點 -40°C 至 -50°C 。
- (3) 1.2 級熱交換器採用銅管及鋁質散熱片，迅速降溫，用於冷卻乾燥機回風。
- (4) 微電腦控制器，光電耦合方式，具有較強抗干擾能力；大功率無觸點固態輸出，可直接驅動及 PID 溫控系統。
- (5) 高效率過濾器，可過濾 0.3um 雜質及粉塵。

Specificatins 規格表

MODEL	機型	AHC-30	AHC-60	AHC-120	AHC-200
Air Flow Rate	風量(m ³ /hr)	30	60	120	200
Regenerating Heater	再生電熱(kW)	2.8	4.5	4.5	7
Regenerating Blower	再生風機(kW)	0.2	0.2	0.4	0.4
Drying Blower	乾燥風機(kW)	0.2	0.75	0.75	1.5
Regenerating Diameter	再生口徑(inch)	1.5	1.5	1.5	1.5
Cooling Diameter	冷卻口徑(inch)	1.5	1.5	1.5	1.5
Drying Diameter	乾燥口徑(inch)	1.5	2	2	3
Machine Size	機械尺寸(mm)	710x580x1300	710x580x1300	750x700x1400	750x700x1400
Machine Weight	機械重量(kg)	80	80	120	175

MODEL	機型	AHC-300	AHC-400	AHC-500	AHC-750
Air Flow Rate	風量(m ³ /hr)	300	400	500	750
Regenerating Heater	再生電熱(kW)	9	9	11	15
Regenerating Blower	再生風機(kW)	0.75	0.75	1.5	1.5
Drying Blower	乾燥風機(kW)	2.25	3.75	3.75	5.6
Regenerating Diameter	再生口徑(inch)	2	2	2	2.5
Cooling Diameter	冷卻口徑(inch)	2	2	2	2
Drying Diameter	乾燥口徑(inch)	4	5	5	6
Machine Size	機械尺寸(mm)	880x780x1560	880x780x1560	880x780x1560	900x800x1630
Machine Weight	機械重量(kg)	190	225	275	325

3 In 1 Specificatins 三機一體規格表

	MODEL	機型	AHCC-30	AHCC-60	AHCC-120
Hopper Dryer 乾燥機	Capacity	容量(kg)	25	50	100
	Heater	電熱(kW)	3	3.5	7
	Blower	風量(W)	100	140	350
	Air Flow Rate	風量(m ³ /hr)	30	60	120
	Power	馬力(HP)	1	1	1
Dehumidifying Dryer 除濕機	Dehumidifying Way	除濕方式	Desiccant Rotor 除濕轉輪		
	Dew Point	露點(°C)	-40	-40	-40
	Regenerating Electric Heat	再生電熱(kW)	2.8	4.5	4.5
	Regenerating Blower	再生風車(kW)	0.5	0.2	0.4
	Regenerating Piping Diameter	再生管徑(in)	1.5	1.5	1.5
Vacuum loader 吸料機	Power	馬力(HP)	1~2	1~2	1~2
	Capacity	工作量(kg/hr)	350~400	350~400	350~400



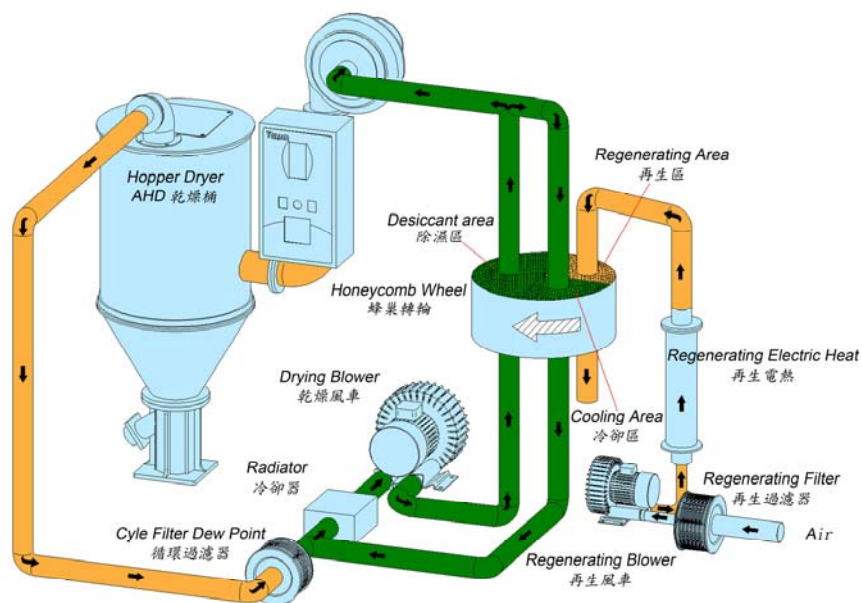
Dryer Capability Comparison 乾燥能力對照表



Material 原料	Dryer Temp 乾燥溫度 (°C)	Dryer Time 乾燥時間 (hr)	Specific Heat 比熱 (J/dm³)	Material Gravity 原料比重 (kg/dm³)	Moisture Content 除濕前含水率(%)	AHC-Series Dryer Capability AHC 系列乾燥能力(kg/hr)			
						AHC-30	AHC-60	AHC-120	AHC-200
ABS	80	2-3	0.34	0.6	0.3	15	18	35	105
CA	75	2-3	0.5	0.5	1	13	15	30	90
CAB	75	2-3	0.5	0.5	0.8	13	15	30	90
CP	75	2-3	0.6	0.6	1	16	18	35	106
LCP	150	4	0.6	0.6	0.4	12	13	27	80
POM	100	2	0.35	0.6	0.2	23	27	53	160
PMMA	80	3	0.35	0.65	0.5	16	19	38	115
IONOMER	90	3-4	0.55	0.5	0.1	10	11	22	66
PA6/6.6/6.10	75	4-6	0.4	0.65	1	9	10	19	58
PA11	75	4-5	0.58	0.65	1	11	12	23	69
PA12	75	4-5	0.28	0.65	1	11	12	23	69
PC	120	2-3	0.28	0.7	0.3	19	21	41	124
PU	90	2-3	0.45	0.65	0.3	16	19	38	115
PBT	130	3-4	0.3-0.5	0.7	0.2	13	15	31	93
PE	90	1	0.55	0.6	0.01	46	53	106	318
PEI	150	3-4	0.6	0.6	0.25	12	13	27	80
PET	160	4-6	0.3-0.5	0.85	0.2	12	13	25	75
PETG	70	3-1	0.6	0.6	0.5	12	13	27	80
PEN	170	5	0.85	0.85	0.1	13	15	30	90
PES	150	4	0.7	0.7	0.8	13	15	30	90
PMMA	80	3	0.65	0.65	0.5	16	19	38	115
PPO	110	1-2	0.4	0.5	0.1	19	22	44	133
PPS	150	3-4	0.6	0.6	0.1	11	13	27	80
P1	120	2-1	0.27	0.6	0.4	23	27	53	160
PP	90	1	0.46	0.5	0.1	38	44	88	265
PS(GP)	80	3-4	0.28	0.5	0.1	38	44	88	265
PSU	120	1-2	0.31	0.65	0.3	12	14	29	85
PVC	70	1-2	0.2	0.5	0.1	19	22	44	135
SAN(AS)	80	3	0.32	0.5	0.1	19	22	44	135
TPE	110		0.7	0.7	0.	17	20	40	125

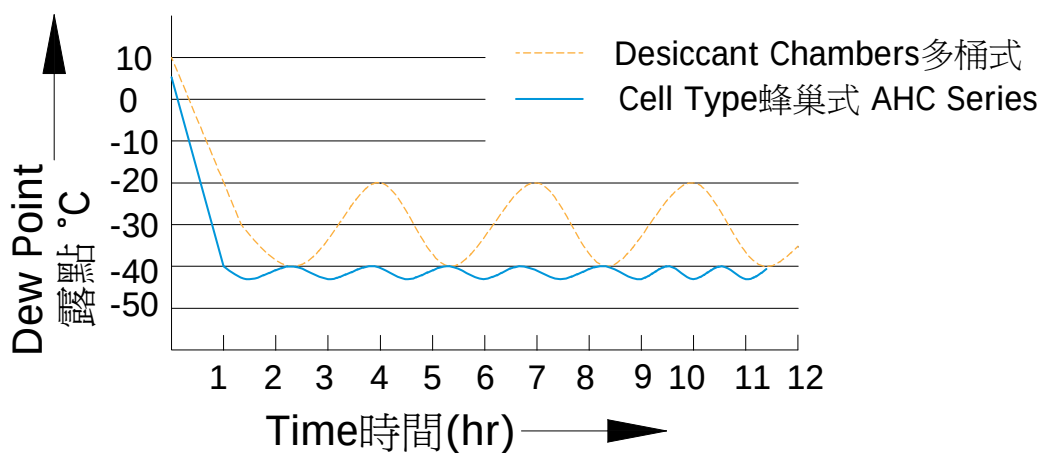
Material 原料	Dryer Temp 乾燥溫度 (°C)	Dryer Time 乾燥時間 (hr)	Specific Heat 比熱 (J/dm³)	Material Gravity 原料比重 (kg/dm³)	Moisture Content 除濕前含水率(%)	AHC-Series Dryer Capability AHC 系列乾燥能力(kg/hr)			
						AHC-300	AHC-400	AHC-500	AHC-750
ABS	80	2-3	0.34	0.6	0.3	180	210	285	355
CA	75	2-3	0.5	0.5	1	150	180	235	295
CAB	75	2-3	0.5	0.5	0.8	150	180	235	295
CP	75	2-3	0.6	0.6	1	180	210	285	355
LCP	150	4	0.6	0.6	0.4	135	160	210	265
POM	100	2	0.35	0.6	0.2	265	320	425	530
PMMA	80	3	0.35	0.65	0.5	192	230	307	383
IONOMER	90	3-4	0.55	0.5	0.1	111	133	177	220
PA6/6.6/6.10	75	4-6	0.4	0.65	1	96	115	153	192
PA11	75	4-5	0.58	0.65	1	115	138	184	230
PA12	75	4-5	0.28	0.65	1	115	138	184	230
PC	120	2-3	0.28	0.7	0.3	206	250	330	413
PU	90	2-3	0.45	0.65	0.3	190	230	307	383
PBT	130	3-4	0.3-0.5	0.7	0.2	155	186	248	310
PE	90	1	0.55	0.6	0.01	531	637	850	1062
PEI	150	3-4	0.6	0.6	0.25	133	160	212	265
PET	160	4-6	0.3-0.5	0.85	0.2	125	150	200	250
PETG	70	3-1	0.6	0.6	0.5	133	160	212	265
PEN	170	5	0.85	0.85	0.1	150	180	240	300
PES	150	4	0.7	0.7	0.8	150	180	240	300
PMMA	80	3	0.65	0.65	0.5	190	230	310	385
PPO	110	1-2	0.4	0.5	0.1	220	265	355	440
PPS	150	3-4	0.6	0.6	0.1	133	160	212	265
P1	120	2-1	0.27	0.6	0.4	265	320	425	530
PP	90	1	0.46	0.5	0.1	442	530	710	885
PS(GP)	80	3-4	0.28	0.5	0.1	442	531	708	885
PSU	120	1-2	0.31	0.65	0.3	145	173	230	290
PVC	70	1-2	0.2	0.5	0.1	220	265	355	442
SAN(AS)	80	3	0.32	0.5	0.1	220	265	355	442
TPE	110		0.7	0.7	0.	205	330	413	

Honeycomb type Flow Chart 蜂巢式工作流程圖



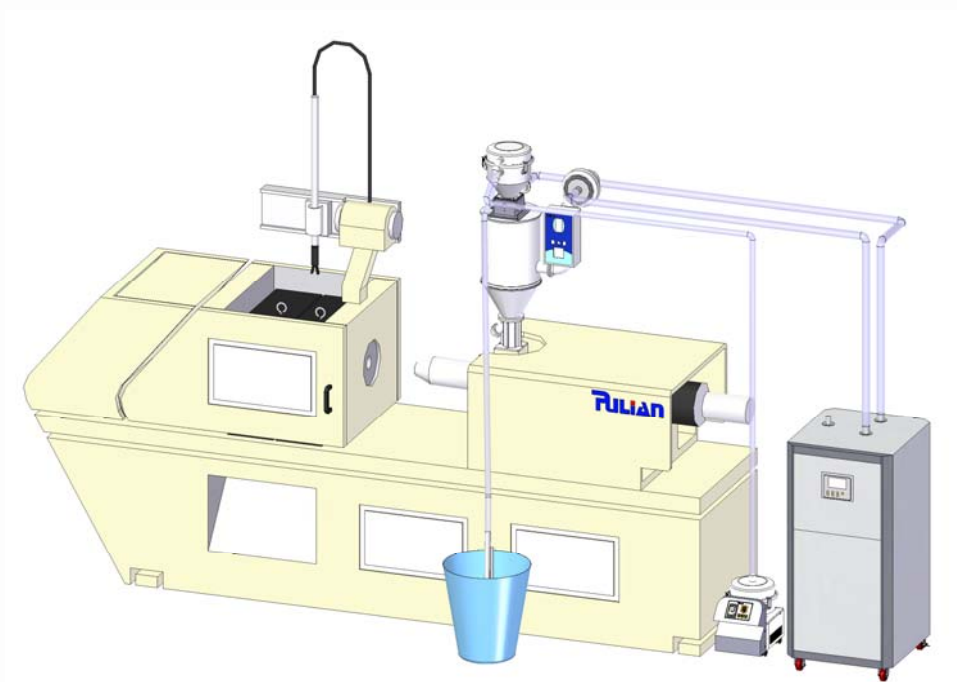
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Dew Point 露點效果比較

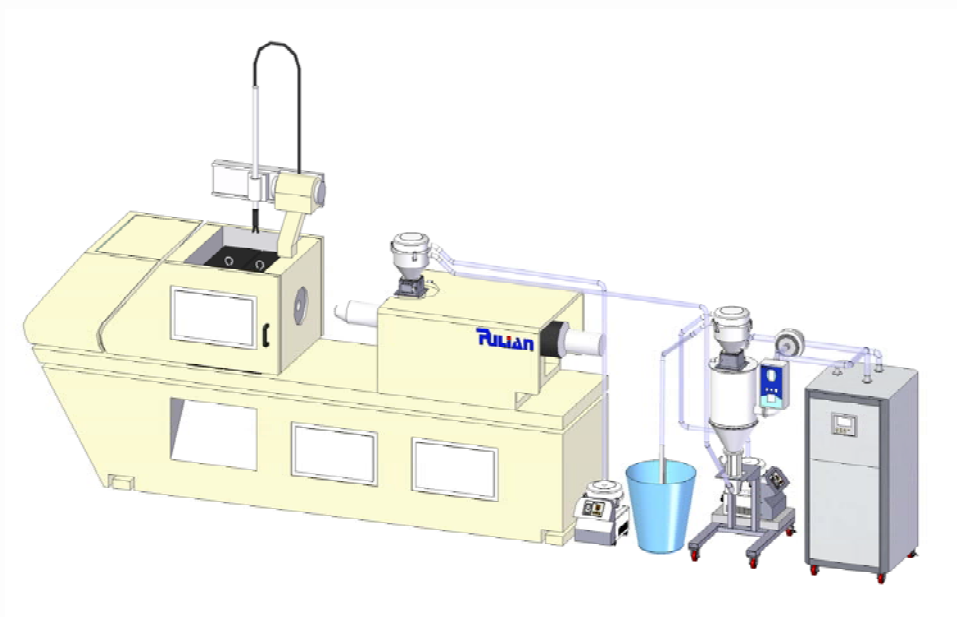


System Introduction 系統圖

Connection Type For Injection Molding Machine 直接式



Frame Type For Injection Molding Machine 腳架式



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