SWAN
天 鵝 牌 空 壓 機

空氣乾燥機與空氣過濾器

Air Dryer and Air Filter

冷凍式壓縮空氣乾燥機
REFRIGERATED AIR DRYER

SWAN SDE系列冷凍式乾燥機，係將空氣等壓冷卻並排出凝結水，以得到低濕度的壓縮空氣。無空氣損耗，裝置便利，爲壓縮空氣除水設備優先選擇。

SWAN SDE series refrigerating air dryer, your prior choice, able to isostatic cooling the compressed air without air loss, and keep low humidity compressed air by draining out the condensed water. Convenient installation design brings fast service and satisfaction.

低壓降與最適使用設計 Effective & Proven Design

針對高溫多濕的環境設計，管路最佳化以減少壓力差的損失；針對不同馬力設計最適的熱交換系統以提升空壓系統使用效能。

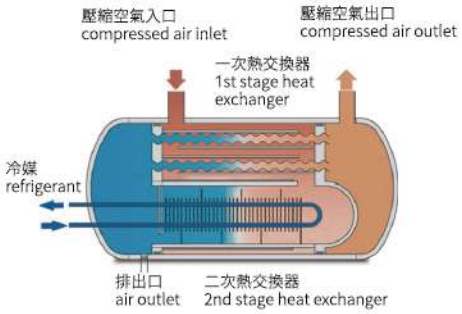
With heavy duty reliable design, SDE air dryers totally meet the working requirements under the hot and high humidity ambient conditions. Ample heat exchanger and efficient air circulating design make the pressure drop to the least.

高壓型 High Working Pressure

Specs. 規格 \ Model 型式			SDE-4H	SDE-8H	SDE-15H	SDE-22H	SDE-37H	SDE-55H	SDE-75H
處理量	Flow Rate(m^3/min)		0.5	1.5	3.0	4.0	7	10	14
出口露點	Dew Point		2~15°C						
入口溫度	Inlet Temp		Max.50°C	Max.80°C					
環境溫度	Ambient Temp		2~40°C						
工作壓力	Working		Max.16						
管徑	In/Out Port Thread		1/2"	3/4"	1"	1-1/2"	1-1/2"	2"	2"
電源	Power		1Ø	1Ø	1Ø	1Ø	1Ø	1Ø	3Ø
冷媒型式	Type of Refrigerant		R-134a				R-427a		
尺寸 長	Size	L(mm)	555	650	800	800	800	1200	1200
尺寸 寬	Size	W(mm)	355	370	400	400	400	550	550
尺寸 高	Size	H(mm)	603	843	1103	1103	1120	1370	1370
重量	Weight(kg)		45	65	95	95	120	250	280
適用馬力	Applicable Ranges(hp)		5	10	20	30	50	75	100

** 壓縮空氣處理後的壓力露點值受環境溫度、入氣溫度、與入氣壓力等因素影響，請連絡工程師以選擇適用的乾燥機機型。

* The nominal condition of H type refers to an ambient temperature of +25℃ with inlet air at 7 bar.g and +35℃ type refers to an ambient temperature of +35℃ with inlet air at 7 bar.g and +45℃.



高效率的熱交換系統Highly Efficient Heat Exchanger

利用特殊對向擾流構造提高擾流效果，以極高的熱交換效率得到低露點的乾燥空氣。

With hghly grade finned coil type heat exchanger to maximize heat transfer by the ample heat exchanging surface.

實用的自動控制Intelligent Microprocessor Controller

微電腦控制，長時間穩定運轉，避免壓縮機經常啟動/停止造成的振動和故障。

Microprocessor control system ensures the stable and quiet running; avoids starting/stopping vibration and breakdown.

符合環保的冷媒系統 Environmental Protection

冷媒管路結構簡單堅固、少保養、高信賴，全系列採用R134.a、R407C、R410A等符合環保的冷媒。

Dependable refrigerant piping system is with strong construction, low maintenance required and highest reliability. Also adapting environmentally friendly refrigerant R-134.a, R-407C and R-410A for all models.

標準型 Standard Working Pressure

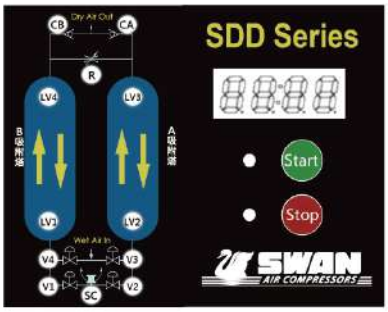
Specs. 規格 \ Model 型式			SDE-4E	SDE-8E	SDE-11E	SDE-15E	SDE-22A	SDE-37A	SDE-55A	SDE-75A	SDE-110A	SDE-150A
處理量	Flow Rate(m^3/min)		0.6	1.2	1.6	2.4	4.4	7	9.8	14	22	30
出口露點	Dew Point		3~15 °C				2~10°C					
入口溫度	Inlet Temp		Max.80°C				Max.50°C					
環境溫度	Ambient Temp		2~43°C				2~40°C					
工作壓力	Working		Max.10				Max.10					
管徑	In/Out Port Thread		1/2"	3/4"	1"	1"	1"	1-1/2"	1-1/2"	2"	2-1/2"	3"
電源	Power		1Ø	1Ø	1Ø	1Ø	1Ø	3Ø	3Ø	3Ø	3Ø	3Ø
冷媒型式	Type of Refrigerant		R-134a	R-134a	R-407C	R-410A	R-410A					R-407C
尺寸 長	Size	L(mm)	254	254	254	254	254	305	305	470	592	780
尺寸 寬	Size	W(mm)	722	722	797	797	816	963	963	963	1022	1280
尺寸 高	Size	H(mm)	515	515	626	626	626	922	922	1139	1169	1420
重量	Weight(kg)		34	34	40	42	44	73	88	114	172	300
適用馬力	Applicable Ranges(hp)		5	5~10	10~15	10~20	20~30	30~50	50~75	75~100	100~150	150~200

※Standard products supplied with 220V, and refer to us for the different voltage or higher capacity and urgent delivery.
※標準電壓220V，異電壓部份與處理量較大之規範或交期請洽本公司。
※Keep on searching for excellence, we reserve the right to alter specifications without prior notice.
※本公司不斷研究改進，規格如有變更，恕不另行通知。

無熱吸附式壓縮空氣乾燥機
HEATLESS DESICCANT AIR DRYER

SWAN SDD系列無熱吸附式乾燥機，於壓縮空氣槽內使用分子篩與氧化鋁進行水份吸附，以符合使用者對於高度乾燥壓縮空氣的需求。

SWAN SDD series heatless desiccant compressed air dryers are adsorbents with high water binding capacity such as molecular sieve and alumina, which are installed in circulation storage tanks to absorb water to meet the user's demand for highly dry compressed air.



實用的自動控制 Practical automatic control

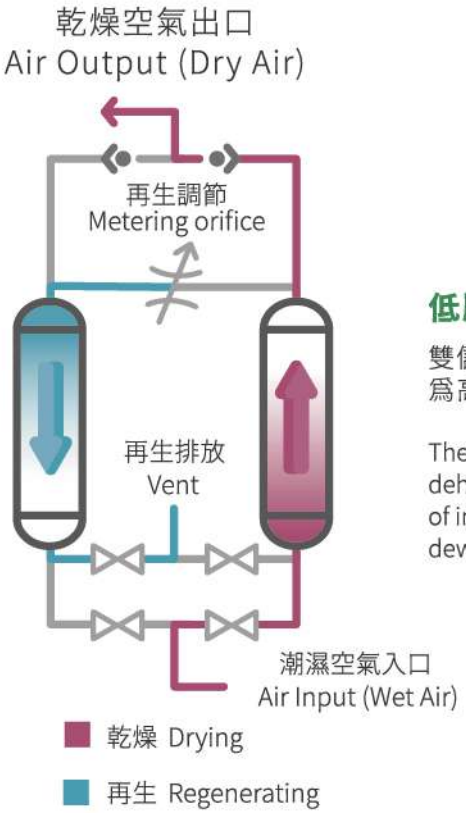
流程化介面及各階段運作時間顯示，能快速監測乾燥機運作情形。

The process-based display interface displays the status of each solenoid valve and the timing time of each operation stage on the LED lights, which can quickly monitor the operation of the dryer.

高效率吸附劑 High efficiency adsorbent

SWAN利用分子篩及活性氧化鋁二種吸附劑的特性，以適當比例充填於吸附式乾燥機內，應對壓縮空氣可能的壓力及含水量的變化，皆可達到設定的露點品質。

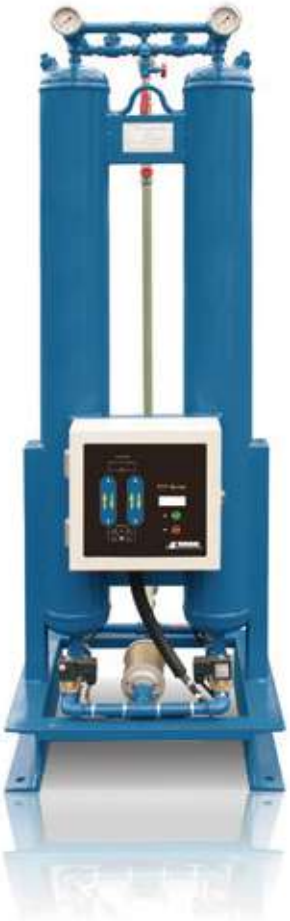
SWAN uses the characteristics of molecular sieves and activated alumina to fill the adsorption dryer in an appropriate ratio to deal with possible changes in the pressure and water content of the compressed air, and achieve the set dew point quality.



低壓降與最適使用設計 Effective & Proven Design

雙儲槽設計可同時進行空氣乾燥與吸附劑排濕再生，符合工業生產連續運作需求，為高乾燥壓縮空氣除水設備最佳選擇。

The design of dual storage tank can simultaneously perform air drying and adsorbent dehumidification regeneration, which meets the continuous operation requirements of industrial production and is the best choice for extreme-dry compressed air dewatering equipment.



SDD-8C

SDD-150B

SDD-C 系列

型式 Model				SDD-4C	SDD-8C	SDD-15C	SDD-22C	SDD-37C	SDD-55C	SDD-75C	SDD-110C	SDD-150C
處理量		Air Flow Rate (m^3/min)		0.7	1.35	2.8	4.2	7	10.6	15	21	26
尺寸	高	Size	H (mm)	1050	1550	1750	1950	2100	1950	2050	2300	2400
	長		L (mm)	500	550	650	670	780	1000	1100	1200	1300
	寬		W (mm)	330	450	550	550	750	750	800	900	1000
重量		Weight (kg)		85	150	240	280	370	530	630	850	1050
管徑		In/Out Port Thread		1/2" PT		1" PT		1-1/2"PT		2" PT		2-1/2"PT
電源		Power		220V 1Ø 50/60 Hz								
出口露點		Pressure Dewpoint		-40℃								

SDD-B 系列

型式 Model				SDD-4B	SDD-8B	SDD-15B	SDD-22B	SDD-37B	SDD-55B	SDD-75B	SDD-110B	SDD-150B
處理量		Air Flow Rate (m^3/min)		0.7	1.35	2.8	4.2	7	10.6	15	21	26
尺寸	高	Size	H (mm)	1200	1680	1950	1900	2150	2150	2300	2600	2650
	長		L (mm)	550	550	650	780	900	1100	1200	1300	1350
	寬		W (mm)	450	500	550	750	750	900	900	1000	1100
重量		Weight (kg)		130	180	280	330	470	660	850	1130	1400
管徑		In/Out Port Thread		1/2" PT		1" PT		1-1/2"PT		2" PT		2-1/2"PT
電源		Power		220V 1Ø 50/60 Hz								
出口露點		Pressure Dewpoint		-70℃								

壓縮空氣過濾器
COMPRESSED AIR FILTER

SWAN壓縮空氣過濾器，採用帶有褶皺的硼矽濾材作爲過濾濾心。
這項技術除提升過濾面積外，更能因提高過濾性能與低壓降，來節省能源並延長使用壽命。

SWAN adopting filtering elements with pleated filter media in the treatment of compressed air. This technology guarantees and effective filtration are 4 times higher than the surface obtained with wrapped filter media. The user gains extended service life with high filtration performances and energy saving thanks to low pressure drops.

管路過濾器 Main Line Filter (ARF)

- 作爲前過濾使用，除去空氣中髒污粉塵過濾精度1μm。
- For the removal of dust particles down to 1μm.

油霧過濾器 Oil Removal Filter (ARB)

- 一般工業使用，除去空氣中大部分油分最大含油量0.1ppm。
- For the removal of oil vapor down to 0.1ppm.

精密過濾器 Micro Filter (ARA)

- 儀控、氣控、高級塗裝等須高品質空氣的行業使用，最大含油量0.01ppm。
- For the removal of microparticles down to 0.01ppm.

除臭過濾器 Active Carbon Filter (ACA)

- 食品、製藥、半導體等行業使用，除去空氣中微細油份及異味，最大含油量0.003ppm。
- For the removal of mini oil mist and odor down to 0.003ppm.

※本公司也提供處理流量更大的過濾器，詳細規範請洽銷售人員。
We also supply Air Filters for bigger air flow quantities treatment.Please contact us for detailed specifications.
※不同型式過濾器在額定流量下，差壓各有不同。
Differential pressure will be different by connecting with different filters.
※自動排水器及差壓計選用件。
Auto-Drain and differential pressure gauge are optional.

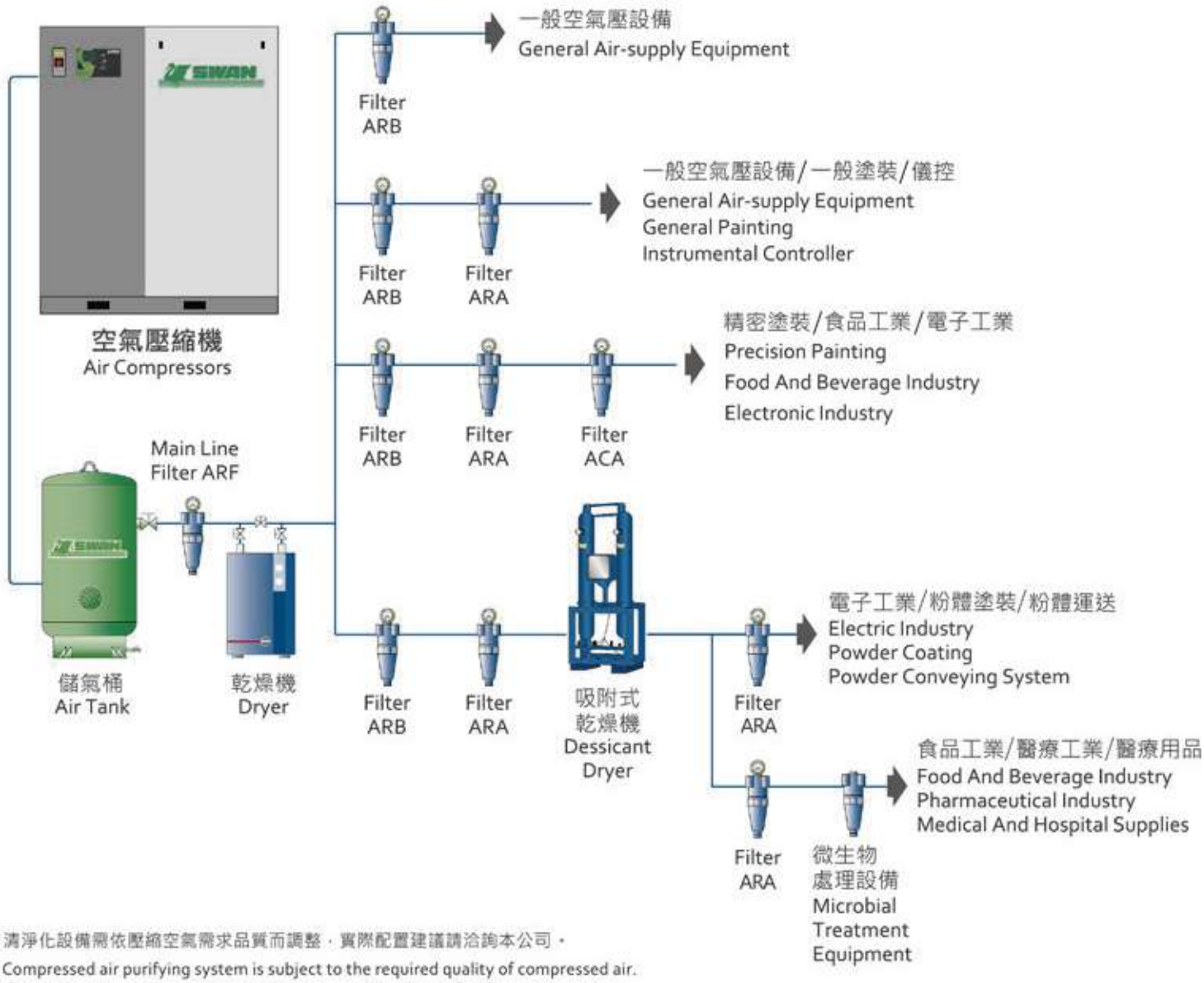
型式 Model				處理流量 Flow Rates m^3/min	接續口徑 In/Out Port Thread	尺寸 Dimension(mm)
—	ARB 04A	ARA 04A	ACA 04A	0.53	1/4"	94X211X50X21
—	ARB 08A	ARA 08A	ACA 08A	1.75	1/2"	94X286X50X21
ARF 15A	ARB 15A	ARA 15A	ACA 15A	3.116	3/4"	128X323X60 X32
ARF 22A	ARB 22A	ARA 22A	ACA 22A	5	1"	128X378X60X32
ARF 55A	ARB 55A	ARA 55A	ACA 55A	11.66	1-1/2"	190X560X80X50
ARF 75A	ARB 75A	ARA 75A	ACA 75A	16.66	2"	190X659X80X50
ARF 90A	ARB 90A	ARA 90A	ACA 90A	20	2-1/2"	190X659X80X50
ARF 125	ARB 125	ARA 125	ACA 125	25	3"	240X635X80X61
ARF 220	ARB 220	ARA 220	ACA 220	36.6	3"	240X985X80X61

空氣清淨化系統
COMPRESSED AIR CLEANING SYSTEM

儲氣桶 AIR TANK → 管路過濾器 MAIN LINE FILTER → 冷凍式乾燥機 AIR DRYER → 油霧過濾器 OIL REMOVAL FILTER → 精密過濾器 MICRO FILTER → 除臭過濾器 ACTIVE CARBON FILTER

※因應客戶不同的用途，不同的清淨化需求，提供不同等級的過濾系統。

※We supply different grade of air filtrating systems to meet various applications.



※ 清淨化設備需依壓縮空氣需求品質而調整，實際配置建議請洽詢本公司。

※ Compressed air purifying system is subject to the required quality of compressed air. If there is any questions on the equipment assembly, please feel free to contact us.

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