

Air Solutions Are Our Core Business

For the lowest purchasing cost for customer, Sullair provides an entire air system designed to lower operating cost, high reliability and maximize return on investment.



Sullair offers compressed air system to help users reduce their operating costs and improve productivity by analyzing, managing and controlling all compressed air systems. To satisfy your special requirement on the compressed air system, please contact the Sullair distributor to seek more help. To acquire Sullair distributor contact information, see the below website or make a phone call.



Sullair Asia Ltd.

Zuo Pao Tai Road, Chiwan Shenzhen 518068, China Tel: 86-755-26851686 Fax: 86-755-26853475

Shenzhen Sullair Asia Ltd.

Zuo Pao Tai Road, Chiwan Shenzhen 518068, China Tel: 86-755-26851686 Fax: 86-755-26853475

Suzhou Sullair Air Equipment Co., Ltd.

No.266 Changyang Street, Suzhou Industrial Park, Suzhou, Jiangsu, China Tel: 86-512-87162388 Fax: 86-512-87162389

Sullair Singapore Ltd.

74 Joo Koon Circle, Jurong, Singapore 629093 Tel: 65-68611211 Fax: 65-68612967

Sullair Taiwan Ltd.

3F-1, No.248, Chung-Shan Road Lin-kou Hsiang, Taipei Hsien Tel: 886-2-26013500 Fax: 886-2-26013032



Sullair Desiccant Regenerative Dryers 3.6-207m³/min



The Only Air Compressor Manufacturer to Concentrate Exclusively on Rotary Screw Technology

Since 1965, Sullair has been leading the innovation in the field of screw compressor and vacuum technology. With more than 40-year experiences, Sullair is leading a new round of innovation in this field. Utilizing the most advanced technologies, equipments and manufacturing technique, Sullair provides customers the best air compressor and vacuum equipment in order to meet the customers' severe requirements. Sullair has led the industrial trends in the field with its first-class screw rotor design.

Sullair products are universally known around the world for its practical design, outstanding craftsmanship and superior quality. Sullair professionals provide you not only air compressor products with simple structure, easily operation and great performance but also high-quality compressed air post-processing equipment by optimal design while to ensure the amazing reliability, stability and related performance specifications of Sullair products. In fact, Sullair desiccant regenerative dryers can meet customers' higher demand of compressed air.



Features and Benefits That Set Sullair Apart

Good Quality Valve Body

Sullair desiccant regenerative dryers reduce the pressure loss by using high performance various valves. Pneumatic valve core uses stainless steel valve element and TEFLON as sealing material. Valves above 2' use pneumatic butterfly valve make service life about 500,000 times. Micro heat regenerative dryer has a long service life by using stainless steel check valve, which can better withstand high temperature and corrosion comparing with the traditional iron valves.

High Quality Desiccant

Sullair uses high quality activated alumina desiccant for better compressive strength. The higher surface/volume ratio assures the excellent performance of desiccant regenerative dryers.

Unique Muffler System

Sullair regenerative dryer uses blocked out annular structure on its purge air exhaust noise.

Stable Dew Point

Sullair regenerative dryer keeps long contacting time with the desiccant bed enough time to cool down. Therefore, the dew point at exit is stable.

Best Flow Velocity Design Inside The Tower

To guarantee the high efficiency of the moisture absorption, Sullair's exclusive design allows the flow velocity within the tower to be about 0.2m/s. The contact time of the air flow with the desiccant is about 7s, which is enough for the better absorption.

Long Life Desiccant

Low flow velocity and the unique two grade pressurization and depressurization design reduces not only the noise of discharge port, but also the attrition of the desiccant, thus extending the life of the dryer, which doesn't need change within 5 years in normal condition.



External Heat Desiccant Regenerative Dryers

SPE micro heat regenerative dryers are controlled by a LCD micro-computer. The standard cycle is eight hours (four hours of drying time and four hours of regeneration time). While one tower is drying, a portion of the dried air is expanded to near atmospheric pressure and heated. It then passes through the reactivating tower and water is purged into the atmosphere. Through LCD, the operation condition of tower and the present time of drying and regeneration can be directly obtained.



Heatless Desiccant Regenerative Dryers

Saturated moist air enters the dryer and passes over the drying tower, where moisture in the air is absorbed onto the desiccant which is in the tower providing dew points of -40°F to -100°F . Then 14% dried air is redirected from the discharge port to the regenerating tower which the pressure is close to atmospheric pressure to remove the absorbed moisture so as to complete the desiccant regeneration process.



Standard Configuration:

- US Non-lubricated pneumatic control valve allows reliable performance and long service life (15 years service life)
- Standard air pressure $7\text{KG}/\text{cm}^2$, air inlet temperature $<40^{\circ}\text{C}$, maximum pressure endurance $11\text{KG}/\text{cm}^2$
- Pressure dew point -40°C , lower dew point is available at the request of customer.
- Stainless inlet/outlet filter screen is adopted for below $45\text{NM}^3/\text{min}$ and up for stainless filter plate
- Automatic repressurizing guarantees the using time of desiccant (no need to change within 5 years)
- Regenerative air is in downward flow
- Electrical protection grade is of NEMA-4
- Pressure gauge and relief valve on each tower
- Working condition indicator light
- Desiccant fill and drain ports
- Equipped with air guide filter and maintenance graduating valve
- Designed for upward drying flow with low velocity to increase contact time with desiccant
- Guarantee the time of dew point and desiccant, reduce pressure loss

Option:

- Dew point gauge
- Dew point control function
- Display gauge for drying and regeneration
- High dew point alarm
- Operation by mistake alarm
- Unit by – pass pipe
- Pre/post-filter with the unit
- Color change display with humidity change
- Computer communication connector
- Tower heat insulation

Standard Configuration:

- Stainless inlet/outlet filter screen
- Tower pressure gauge
- Tower temperature digital display
- Pressure gauge for regeneration
- Relief valve
- Silencer
- Heating electronic thermostat.
- Heater failure alarm
- LCD micro-computer control

Special Offer:

- Pressure dew point $\leq -70^{\circ}\text{C}$
- All parts are stainless steel
- Special medium like CO_2 , H_2 , etc
- High pressure class, pressure $\geq 1.2\text{MPa}$
- Low pressure $\leq 0.5\text{MPa}$
- Steam heat exchanger instead of point heater
- Using remaining heat to save energy efficiently

Options and Special Design:

- Dew point demand control with digital readout
- High dew point alarm
- Switch alarm of starting by mistake
- Moisture color change indication
- LCD micro-computer control
- Unit bypass piping

Zero Purge Loss Desiccant Regenerative Dryers

The zero purge loss compression heat regenerative dryer was researched and developed by Sullair with long term practical experience and utilizing the most modern technologies at home and abroad, is the most advanced new generation dryer. Zero Purge Loss Compression Heat Regenerative Dryer is the updated product of conventional compression heat regenerative dryer. Sullair achieved the quality of no pressure change, no purge consumption in the smooth running process. It is the real energy- saving product.

The zero purge loss compression heat regenerative dryers are the best choice for some special customers, when being used specially for the gases which are flammable, explosive, toxic or expensive, for example, to dry Hydrogen, Carbon monoxide, natural gas and so on.

The special high pressure dryers are developed newly by Sullair which have filled the domestic gaps.



Remark: Please contact Sullair for detail specifications.

Technical Specifications

SPE125-7300 External Heat Desiccant Regenerative Dryers

Model	Air Volume for Processing			Power Consumption kW	Air Inlet/Outlet Flange Dimension DIN	Outline Dimension						Weight		Recommended Configuration	
	FAD7	bar(e)/100 psig				mm			in			Kg	lbs	Pre-filter	Post-filter
		l/s	m³/min			cfm	L	W	H	L	W				
SPE125	60	3.6	127	1.4	25	967	757	1478	38	30	58	379	841	SCF125+SCH125	SCR125
SPE200	90	5.4	191	2.1	40	1008	747	1727	40	29	68	485	1077	SCF235+SCH235	SCR235
SPE275	130	7.8	275	2.8	40	1062	752	1775	42	30	70	523	1161	SCF340+SCH340	SCR340
SPE380	180	10.8	381	3.5	40	1350	795	1802	53	31	71	650	1443	SCF465+SCH465	SCR465
SPE465	220	13.2	466	4.2	40	1417	890	1846	56	35	73	748	1661	SCF465+SCH465	SCR465
SPE635	300	18.0	635	5.6	50	1470	795	1869	58	31	74	855	1898	SCF700+SCH700	SCR700
SPE760	360	21.6	763	6.4	80	1600	1024	2300	63	40	91	1160	2575	SCF910+SCH910	SCR910
SPE1020	480	28.8	1018	7.9	80	1764	1024	2558	69	40	101	1225	2720	SCF1315+SCH1315	SCR1315
SPE1330	630	37.9	1336	10.8	80	1884	1024	2612	74	40	103	1510	3352	CPF1700+CPH1700	CPF1700*
SPE1690	800	48.0	1694	13.8	100	2359	1175	2702	93	46	106	2340	5195	CPF1700+CPH1700	CPF1700*
SPE2060	970	58.2	2056	16.8	100	2359	1175	2702	93	46	106	2490	5528	CPF2200+CPH2200	CPF2200*
SPE2670	1260	75.6	2671	21.7	100	2472	1175	2681	97	46	106	2985	6627	CPF3100+CPH3100	CPF3100*
SPE3390	1600	96	3392	27.5	150	2720	2199	2548	107	46	100	4000	8880	CPF4200+CPH4200	CPF4200*
SPE4400	2070	124.2	4384	35.5	150	2593	2199	2548	102	87	100	4600	10212	CPF7000+CPH7000	CPF7000*
SPE5360	2530	151.8	5359	43.3	150	2793	2199	2548	110	87	100	5550	12321	CPF7000+CPH7000	CPF7000*
SPE7300	3450	207.0	7307	59.2	200	3350	2417	2893	132	95	114	7600	16872	CPF11000+CPH11000	CPF11000

SPR125-3390 Heatless Desiccant Regenerative Dryers

Model	Air Volume for Processing			Air Inlet/Outlet Flange Dimension DIN	Outline Dimension						Weight		Recommended Configuration	
	FAD7	bar(e)/100 psig			mm			in			Kg	lbs	Pre-filter	Post-filter
		l/s	m³/min		cfm	L	W	H	L	W				
SPR125	60	3.6	127	25	867	739	1492	34	29	59	334	742	SCF125+SCH125	SCR125
SPR200	90	5.4	191	40	1008	677	1742	40	27	69	427	948	SCF235+SCH235	SCR235
SPR275	130	7.8	275	40	1062	677	1789	42	27	70	472	1048	SCF340+SCH340	SCR340
SPR380	180	10.8	381	40	1362	795	1838	54	31	72	587	1303	SCF465+SCH465	SCR465
SPR465	220	13.2	466	40	1417	795	1869	56	31	74	687	1525	SCF465+SCH465	SCR465
SPR635	300	18.0	635	50	1517	795	1911	60	31	75	760	1687	SCF700+SCH700	SCR700
SPR760	360	21.6	763	80	1173	1116	1854	46	44	73	650	1443	SCF910+SCH910	SCR910
SPR1020	480	28.8	1018	80	1776	843	2549	70	39	100	970	2154	SCF1315+SCH1315	SCR1315
SPR1330	630	37.8	1336	80	1884	843	2601	74	33	103	1240	2753	CPF1700+CPH1700	CPF1700*
SPR1690	800	48.0	1694	100	2359	1039	2671	93	41	104	1700	3774	CPF1700+CPH1700	CPF1700*
SPR2060	970	58.2	2056	100	2359	1039	2671	93	41	104	2010	4463	CPF2200+CPH2200	CPF2200*
SPR2670	1260	75.6	2671	100	2472	1039	2653	97	41	104	2470	5484	CPF3100+CPH3100	CPF3100*
SPR3390	1600	96.0	3392	150	2693	1428	2576	106	56	101	3560	7904	CPF4200+CPH4200	CPF4200*

Notes: ☆Power Supply 380V-3PH-50HZ

☆Standard air inlet work condition: 0.7MPa, 40 C , 100% saturated moist air.

☆If the flow is over 170m³/min., ask for technical materials from the factory please.

☆The *** needs reverse installment.