

SRS Refrigerated Air Dryers

5 to 175 scfm



- Reduced Power Consumption
- Easy to Install and Use
- Environmentally Friendly Refrigerant

Superior dryer technology in a small package design

Key Features:

- Simple installation
- Small footprint
- Advanced 3-in-1 heat exchanger module
- Oversized demister separator
- Low pressure drop
- Environmentally friendly refrigerant
- Operates up to 122°F ambient
- Dewpoint indicator
- Easy drain access
- Single panel maintenance access
- 5-year Warranty

Why a Sullair SRS Refrigeration Dryer?

Compressed air is a vital source of energy for industry. Quality air treatment—particularly the removal of condensate—is often overlooked. When cooled, vapor in compressed air will condense, damaging compressed air system and product or process.

The SRS Benefits:

- less system downtime
- reduced operating costs and maintenance
- improved finished product

Advanced 3-in-1 Heat Exchanger Module

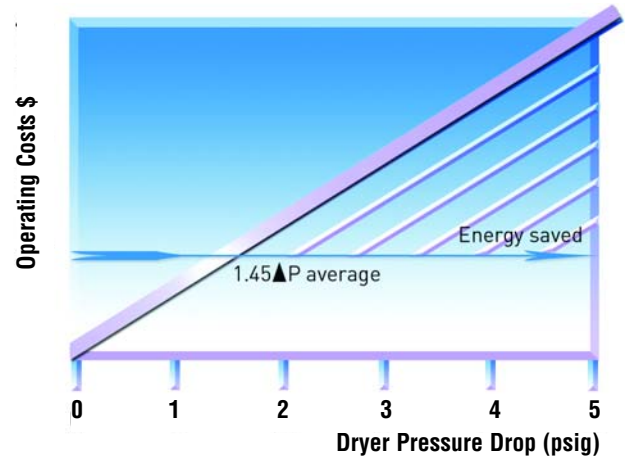
- Air-to-air
- Air-to-refrigerant
- Demister separator



The Sullair SRS Dryers utilize advanced heat exchanger and demister separation technology to deliver low pressure drop and outstanding performance at the lowest cost of operation.

Demister Separator

A high capacity demister separator is employed for the removal of condensed liquids. This lowers the air velocity which maximizes the condensate separation from the air, even when the dryer is not operating at maximum flow. This design also ensures the differential pressure across the dryer is kept to a minimum.



Ease of Maintenance

All service requirements can be performed by removing just one panel on the front of the dryer. The positioning of the drain alcove allows for easy access to the drain without removing panels.



Specifications: Models SRS-5 to SRS-175

Model	Nominal Flow (scfm)	Air Connections	Dimensions (in)			Weight* (lbs)	Primary Voltages
			A	B	C		
SRS-5	5	1/2" NPT-F	8.3	17	17.7	42	115V/1Ph/60Hz
SRS-10	10	1/2" NPT-F	8.3	17	17.7	42	115V/1Ph/60Hz
SRS-15	15	1/2" NPT-F	8.3	17	17.7	42	115V/1Ph/60Hz
SRS-25	25	1/2" NPT-F	8.3	19.9	19.7	52	115V/3Ph/60Hz
SRS-35	35	1/2" NPT-F	8.3	19.9	19.7	52	115V/3Ph/60Hz
SRS-50	50	3/4" NPT-F	8.9	22.3	20.5	58	115V/3Ph/60Hz
SRS-75	75	3/4" NPT-F	8.9	22.3	20.5	68	115V/3Ph/60Hz
SRS-100	100	3/4" NPT-F	8.9	22.3	20.5	77	115V/3Ph/60Hz 230V/1Ph/60Hz
SRS-125	125	1-1/2" NPT-F	16.7	23.8	21.8	115	230V/1Ph/60Hz
SRS-150	150	1-1/2" NPT-F	16.7	23.8	21.8	128	230V/1Ph/60Hz
SRS-175	175	1-1/2" NPT-F	16.7	23.8	21.8	132	230V/1Ph/60Hz

Performance data based on:

Ambient temperature	100°F
Inlet temperature	100°F
Inlet pressure	100 psig

For flow rates at other conditions, please contact Sullair for correct sizing

Performance data obtained and presented in accordance with CAGI Standard No. ADF 100, "Refrigerated Compressed Air Dryers – Methods for Testing and Rating"

Technical Data

Maximum ambient temperature	122°F
Maximum inlet temperature	140°F
Minimum ambient temperature	41°F
Maximum inlet pressure	232 psig
Refrigerant	R134a



Flow correction factors

Capacity correction to be used when operating conditions differ from those shown above. To obtain dryer capacity at new conditions, multiply nominal capacity x C1 x C2 x C3.

Ambient Temperature (C1)

°F	60	70	80	90	100	110	113
°C	16	21	27	32	38	43	45
Correction Factor	1.3	1.23	1.16	1.08	1.00	0.92	0.89

Inlet Temperature (C2)

°F	90	100	110	120	130	140
°C	32	38	43	49	54	60
Correction Factor	1.26	1.00	0.80	0.63	0.50	0.38

Inlet Pressure (C3)

Pressure psi g	50	80	100	125	150	170	190	203
Pressure bar g	3.5	5.5	6.9	8.6	10.3	11.7	13.1	14.0
Correction Factor	0.76	0.93	1.00	1.03	1.11	1.14	1.16	1.17

Sullair Air Quality Guarantees...

Two levels of air quality

Sullair recognizes that the requirements for air quality vary according to each compressed air application. For this reason, Sullair provides compressed air Systems that achieve two distinct levels of air quality and a guarantee for each.



The Sullair System.

The Sullair System matches a Sullair compressor, a Sullair dryer and Sullair filters. Sullair assures that its System will meet specific performance levels throughout its operational life. We offer a one-year test/review period, backed by a purchase refund guarantee, to verify the performance of the Sullair System.

Select the System.

Select the air quality level to meet your plant air or process requirements. You can be assured that the quality of air from the Sullair System you specify will remain consistent for the life of the equipment. Sullair guarantees it. And that's as good as gold.

The Sullair Oil-Free Air Quality Guarantee.

The System consists of a Sullair compressor, Sullair dryer, and Sullair SCF and SCH or PF/PH filters. The compressed air from this system contains particulates no larger than .01 micron, including coalesced liquid water and lubricants.

Maximum remaining oil aerosol content is 0.01 parts per million by weight (ppm/w) @ 70°F, including oil vapor. The air from this Sullair System meets the most stringent ISO standard (ISO 8573.1, Class 1) for air quality. This adds the required filters.

The Sullair Critical Air Quality Guarantee.

The compressed air from this Sullair System exceeds the ISO standard (ISO 8573.1, Class 1) for air quality with the use of the SCC or PC filter. The System includes a Sullair compressor, Sullair dryer, and Sullair SCF, SCH, and SCC; or PF, PH, and PC filters. The odor-free compressed air from this system contains particulates no larger than 0.01 micron, including water and oil aerosol content of 0.01 parts per million by weight (ppm/w) @ 70°F. The remaining oil vapor content is less than 0.003 ppm/w.

These Systems are not intended to remove carbon monoxide, methyl isocyanate or other noxious, corrosive or toxic gases, vapors or fumes. The system does not provide breathing air.

AirMetrix
Your compressed air solutions made simple by SULLAIR

Sullair offers AirMetrix™ solutions that help reduce energy costs and improve productivity by analyzing, managing, and controlling the total compressed air system.

A circular diagram divided into seven segments, each representing a service or product area:

- DOWNSTREAM PRODUCTS
- AIR AUDITS
- CUSTOMER CARE BY SULLAIR™
- AIRILITY™
- SYSTEM MONITORING
- CORE PRODUCTS
- SYSTEM CONTROLS

For more information on Sullair products and services, please contact your local Sullair distributor.



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