

Refrigerated Air Dryers

A Refrigerated Air Dryer will pay for itself by extending the life of your tools and equipment by eliminating water vapor from the air line. Dryer installation is important to all shop air systems but absolutely critical for paint and body shops where a quality paint finish is demanded.

Refrigerated air dryers remove moisture and contaminants from compressed air by chilling the air to a temperature that causes the moisture in the air to condense and form droplets. These droplets can be separated from the air stream and discharged from the dryer. The cold air is then reheated by means of a heat exchanger which increases cfm volume before leaving the dryer.

This type of dryer uses a refrigeration system, heat exchanger, separator, and drain to perform the drying operation. The absolute driest compressed air for your shop. Schrader-Air offers refrigerated air dryers to cover a variety of refrigerated dryer requirements.

Ozone-safe, 100% Chlorine Free, R134a Refrigerant as Standard:

SchraderAir Refrigerated Dryers use R134a refrigerant in all refrigerated compressed air dryers. R134a has become the industry's choice as the preferred refrigerant because of its ozone depletion factor of 0.0 and low global warming potential. R134a is a one-blend refrigerant and, therefore, consistent in performance (no temperature fluctuation) and ease of service (no mixture of different refrigerants).

Variable Flow Refrigerated Compressed Air Dryers

- Allows inlet temperatures of up to 140°F.
- Patented multi-stage separator for consistent dew point even at low flows.
- 98%+ separation efficiency throughout the dryer's entire range.
- Refrigerant analyzer gauge.
- Lightweight and compact design
- Integral precooling and reheating of compressed air for high efficiency and low energy consumption.
- Heavy-duty industrial powder coated cabinet.

The Variable Flow line is focused on reliable, constant dew-point in all flow conditions. With its excellent heat transfer coefficients and low pressure drop, these dryers provide unparalleled performance for protecting your compressed air system, machinery, tools and working processes.

High Inlet Temperature Refrigerated Compressed Air Dryers

- Allows inlet temperatures of up to 250°F.
- No air-cooled aftercooler required
- Designed dewpoint range 50°F and 38°F.
- Compact and efficient design.
- Automatically removes and discharges moisture.
- Heavy-duty industrial powder coated cabinet.

The NAPA High Inlet Temperature Refrigerated Air Dryers have been designed specifically for use with smaller air compressors that typically do not incorporate an aftercooler.



Refrigerated Air Dryers



Specifications

Model #	Type	Capacity (SCFM)	Connection (inches NPT)	KW Full Load	Minimum Circuit Amps	Voltage/Phase	Breaker Size	H x W x D (inches)	Max Pressure PSI	Ship Wt. (lbs)
SRD0025	Variable Flow*	25	½	0.32	5.2	115/1	15	20 x 18 x 18	200	76
SRD0040	Variable Flow*	40	¾	0.34	6.9	115/1	15	20 x 18 x 18	200	78
SRD0150	Variable Flow*	50	¾	0.20	6.9	115/1	15	18 x 22 x 15	200	80
SRD0160	Variable Flow*	60	¾	0.30	9.7	115/1	20	22 x 24 x 18	200	102
SRD0175	Variable Flow*	75	1	0.30	9.7	115/1	20	22 x 24 x 18	200	124
SRD1100	Variable Flow*	100	1	0.50	13.6	115/1	30	22 x 24 x 18	200	138
SRD1125	Variable Flow*	125	1	0.60	18.3	115/1	30	22 x 24 x 18	200	156
SRD1150	Variable Flow*	150	1	0.60	18.3	115/1	30	22 x 24 x 18	200	162
SRD1200	Variable Flow*	200	1½	0.75	14.8	208/230/1	30	30 x 36 x 25	200	240
SRD0220	High Inlet Temp**	20	½	0.20	9.9	115/1	20	15 x 16 x 16	200	95
SRD0240	High Inlet Temp**	40	¾	0.40	13.6	115/1	30	22 x 24 x 18	200	125
SRD0250	High Inlet Temp**	50	1	0.40	13.6	115/1	30	22 x 24 x 18	200	140
SRD0275	High Inlet Temp**	75	1	0.40	18.3	115/1	30	30 x 36 x 25	200	240
SRD02100	High Inlet Temp**	100	1	0.60	18.3	115/1	30	30 x 36 x 25	200	330
SRD02125	High Inlet Temp**	125	1	0.60	17.7	208/230/1	30	30 x 36 x 25	200	360

Note: cfm measurement at 100 PSI, 100° F inlet temperature, 100° F maximum ambient air temperature.

*Maximum inlet temperature 140° **Maximum inlet temperature 250°