



SR Series Refrigerated Dryers

SR Series dryers are designed for installations where pipeline temperatures are not expected to go below 35°F to 39°F or when process requirements demand a lower dewpoint.

These dryers cool compressed air by mechanical refrigeration, removing the moisture and assuring that none condenses downstream, unless the air is exposed to lower temperatures. With models ranging from 5 to 3000 scfm, you can specify the SR dryer that is virtually customized to your requirements.

Specifications

Model	SCFM	m3/min	psig	barg	Weight		Length "A"		Width "B"		Height "C"		Air in/out
					lbs.	kg.	in.	mm.	in.	mm.	in.	mm.	
SR-5	5	.14	100	7	40	8	17.7	450	7.8	198	17.9	455	3/8" NPT
SR-10	10	.28	100	7	40	8	17.7	450	7.8	198	17.9	455	3/8" NPT
SR-15	15	.42	100	7	44	20	17.7	450	7.8	198	17.9	455	3/8" NPT
SR-25	25	.71	100	7	71	32	23.6	599	11.1	282	20.9	531	1/2" NPT
SR-35	35	1.0	100	7	73	33	23.6	599	11.1	282	20.9	531	1/2" NPT
SR-50	50	1.4	100	7	101	46	27.6	701	13.9	353	23.9	607	3/4" NPT
SR-75	75	2.1	100	7	121	55	27.6	701	13.9	353	23.9	607	3/4" NPT
SR-100	100	2.8	100	7	128	58	27.6	701	13.9	353	23.9	607	3/4" NPT

	SR-5	SR-10	SR-15	SR-25	SR-35	SR-50	SR-75	SR-100
Electrical Data:								
Standard Voltage	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	230/1/60
Optional Voltage	-----	-----	-----	-----	-----	-----	-----	115/1/60
Electrical Enclosure	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44
Nominal Power (KW)*	0.19	0.19	0.23	0.27	0.40	.59	0.80	0.99
Maximum Power Rating (KW)	0.24	0.24	0.28	0.33	0.50	0.69	0.95	1.26

Cooling Data:								
Maximum Heat of Rejection								
BTU/Min.	14.8	19.3	23.3	34.7	51.2	73.4	104.1	148.0
Type of Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a

Heat Exchangers:								
Type	Tube in tube	Tube in tube	Tube in tube	Tube in tube	Tube in tube	Tube in tube	Tube in tube	Tube in tube
Material	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper

*Nominal power is for air-cooled dryers at rated flow and standard conditions.

Specifications

Model	SCFM	m3/min	psig	barg	Weight		Length		Width		Height		Air in/out
					lbs.	kg.	in.	mm.	in.	mm.	in.	mm.	
SR-125	125	3.5	100	7	143	65	21.7	551	24.2	615	30.4	772	1-1/2" NPT
SR-150	150	4.3	100	7	146	66	21.7	551	24.2	615	30.4	772	1-1/2" NPT
SR-175	175	5.0	100	7	150	68	21.7	551	24.2	615	30.4	772	1-1/2" NPT
SR-200	200	5.7	100	7	154	70	21.7	551	24.2	615	30.4	772	1-1/2" NPT

	SR-125	SR-150	SR-175	SR-200
Electrical Data:				
Standard Voltage	230/1/60	230/1/60	230/1/60	230/1/60
Optional Voltage	115/1/60	115/1/60	-----	-----
Electrical Enclosure	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44
Nominal Power (KW)*	0.72	0.83	1.13	1.43
Maximum Power Rating (KW)	1.22	2.33	2.33	2.76

Cooling Data:				
Maximum Heat of Rejection—BTU/Min.	128.6	158.2	188.4	225.9
Type of Refrigerant	R-407C	R-407C	R-407C	R-407C

Heat Exchangers:				
Type	Combined	Combined	Combined	Combined
	Cross Flow	Cross Flow	Cross Flow	Cross Flow
Material	Aluminum	Aluminum	Aluminum	Aluminum

*Power input shown above is for air-cooled models.

Specifications

Model	SCFM	m3/min	psig	barg	Weight		Length		Width		Height		Air
					lbs.	kg.	in.	mm.	in.	mm.	in.	mm.	in/out
SR-250	250	7.1	100	7	309	140	26.4	674	36.2	920	47.7	1212	1-1/2" NPT
SR-325	325	9.2	100	7	309	140	26.4	674	36.2	920	47.7	1212	2" NPT
SR-400	400	11.3	100	7	318	144	26.4	674	36.2	920	47.7	1212	2" NPT
SR-500	500	14.2	100	7	331	150	26.4	674	36.2	920	47.7	1212	2" NPT

	SR-250	SR-325	SR-400	SR-500
Electrical Data:				
Standard Voltage	460/3/60	460/3/60	460/3/60	460/3/60
Optional Voltage	230/1/60	230/1/60	-----	-----
Optional Voltage	230/3/60	230/3/60	230/3/60	230/3/60
Optional Voltage	575/3/60	575/3/60	575/3/60	575/3/60
Electrical Enclosure	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44
Nominal Power (KW)*	1.50	1.98	2.45	2.45
Maximum Power Rating (KW)	2.07	2.93	3.61	3.61

Cooling Data:	SR-250	SR-325	SR-400	SR-500
Maximum Heat of Rejection—BTU/Min.	263.5	343.1	422.8	485.4
Type of Refrigerant	R-407C	R-407C	R-407C	R-407C

Heat Exchangers:	SR-250	SR-325	SR-400	SR-500
Type	Combined Cross Flow	Combined Cross Flow	Combined Cross Flow	Combined Cross Flow
Material	Aluminum	Aluminum	Aluminum	Aluminum

*Power input shown above is for air-cooled models.

Specifications

Model	SCFM	m3/min	psig	barg	Weight		Length		Width		Height		Air
					lbs.	kg.	in.	mm.	in.	mm.	in.	mm.	in/out
SR-700	700	19.9	100	7	882	400	51.5	1308	39.7	1008	59.0	1499	3" FLG
SR-800	800	22.7	100	7	926	420	51.5	1308	39.7	1008	59.0	1499	3" FLG
SR-1000	1000	28.3	100	7	992	450	51.5	1308	39.7	1008	59.0	1499	3" FLG
SR-1200	1200	34.0	100	7	992	450	51.5	1308	39.7	1008	59.0	1499	3" FLG
SR-1400	1400	39.6	100	7	1036	470	51.5	1308	39.7	1008	59.0	1499	3" FLG
SR-1600	1600	45.3	100	7	1213	550	71.1	1806	39.7	1008	59.0	1499	4" FLG
SR-2000	2000	56.6	100	7	1279	580	71.1	1806	39.7	1008	59.0	1499	6" FLG
SR-2400	2400	68.0	100	7	1301	590	71.1	1806	39.7	1008	59.0	1499	6" FLG
SR-3000	3000	85.0	100	7	1455	660	71.1	1806	39.7	1008	59.0	1499	6" FLG

	SR-700	SR-800	SR-1000	SR-1200	SR-1400
Electrical Data:					
Standard Voltage	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
Optional	575/3/60	575/3/60	575/3/60	575/3/60	575/3/60
Electrical Enclosure	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44
Nominal Power (KW)*	3.47	3.48	4.84	5.07	7.09
Maximum Power Rating (KW)	5.69	5.69	8.47	8.47	11.29

Cooling Data:					
Maximum Heat of Rejection					
BTU/Min. A.C.	687.4	731.3	908.2	1068.0	1384.0
Type of Refrigerant	R-407C	R-407C	R-407C	R-407C	R-407C
Heat Exchangers:					
Type	Combined	Combined	Combined	Combined	Combined
	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow
Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
	SR-1600	SR-2000	SR-2400	SR-3000	
Electrical Data:					
Standard Voltage	460/3/60	460/3/60	460/3/60	460/3/60	
Optional	575/3/60	575/3/60	575/3/60	575/3/60	
Electrical Enclosure	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	NEMA 1/IP44	
Nominal Power (KW)*	9.49	8.90	9.90	12.93	
Maximum Power Rating (KW)	15.07	17.73	17.73	22.0	
Cooling Data:					
Maximum Heat of Rejection					
BTU/Min. A.C.	1661.0	1873.0	2193.0	2761.0	
Type of Refrigerant	R-407C	R-407C	R-407C	R-407C	
Heat Exchangers:					
Type	Combined	Combined	Combined	Combined	
	Cross Flow	Cross Flow	Cross Flow	Cross Flow	
Material	Aluminum	Aluminum	Aluminum	Aluminum	
*Power input shown above is for air-cooled models.					