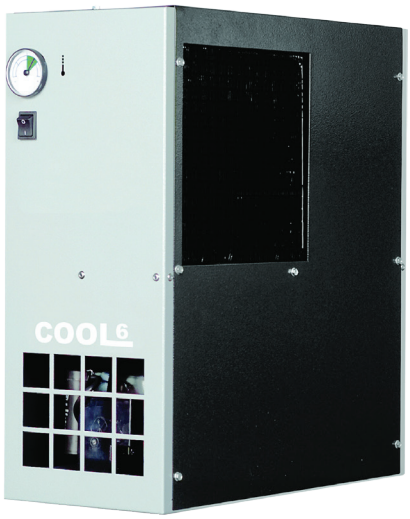
Cool Dryer Series

Refrigeration dryers use a refrigerant gas in order to cool the compressed air. As a result the water from the air condenses and can be removed. With this technique we can reach in the COOL range a pressure dew point of 45°F. As a result, the refrigeration technology is by far the most used dryer technology, complying for more than 95% of industrial applications. Refrigerant dryers are commonly used with pneumatic applications and in the general industry (e.g. engineering, steel, paper, tannery, garage).



Main Benefits

- Remove the water pollution from your network
- Refrigeration dryer is a simple, low maintenance technology
- Extremely easy to install
- Very compact quipment fits in a minimum space
- Low maintenance requirement
- Compatiable with any compressor technology
- Very low energy consumption
- Check your air quality with the dew point indicator
- Higher final product quality
- Increase your overall productivity

Risks to Avoid

- Corrosion, pollution, leakage and rust of the AIRnet (pipes) and the downstream equipment/tools
- Costly interruptions of the production
- A decreased efficiency of the equipment/tools used
- Reduction of the life span of all equipment involved
- Risk of water contamination in the air network, with potential freezing in winter time
- Increased maintenance costs
- Lower quality of the final product and potential risk of product recalls

Cool Refrigeration Air Dryers

The COOL Range Is Best For:

- Simple to install and easy to operate
- Easy access for quick servicing resulting in low maintenance costs
- Efficient cooling system
- Flexible transportation
- Small footprint
- Stable dew point

COOL SERIES TECHNICAL DATA

Type	Max. Working Pressure		Air Treatment Capacity			Nominal Electrical Power1	Voltage	Inlet/Outlet Connections	Dimensions			Approx. Weight lbs.	Refrigeration Gas Type
	bar	psi	l/min	mc/h	cfm	Watts	V/ph/Hz	gas	Length (in)	Width (in)	Height (in)		
COOL 15	16	232	350	21	15	154	115/1/60	1/2" M	9	22	22	49	R513a
COOL 25	16	232	600	36	25	159	115/1/60	1/2" M	9	22	22	49	
COOL 35	16	232	850	51	35	159	115/1/60	1/2" M	9	22	22	55	
COOL 50	16	232	1200	72	50	224	115/1/60	1/2" M	9	22	22	55	
COOL 65	16	232	1825	110	65	321	115/1/60	1/2" M	9	22	22	57	
COOL 75	16	232	2150	129	75	377	115/1/60	3/4"M	9	22	22	71	
COOL 100	16	232	3000	180	100	583	115/1/60	1" F	9	22	22	68	
COOL 125	16	232	3600	216	125	730	230/1/60	1" F	12	28	39	104	
COOL 150	16	188	4100	246	150	756	230/1/60	1" 1/2 F	12	28	39	119	
COOL 200	13	188	5200	312	200	796	230/1/60	1" 1/2 F	12	28	39	146	R410a
COOL 250	13	188	6500	390	250	806	230/1/60	1" 1/2 F	12	28	39	141	
COOL 275	13	188	7700	467	275	956	230/1/60	1" 1/2 F	12	28	39	146	

Reference Conditions:

- Operating Temperature = 95°F
- Room Temperature = 77°F
- Pressure Dewpoint = 50°F
- Working Pressure = 232 PSI Cool 15-125
- Working Pressure = 188 PSI Cool 150-250
- Operating Temperature = 122°F
- Min/Max Room Temperature: 41°F; +104°F

Limit Conditions:

- Working Pressure
  - 232 PSI COOL 4-36
  - 188 PSI COOL 41-77
- Operating temperature: 122°F
- Min/Max Room Temperature: 41°F; +104°F

Correction factor for conditions differing from the project K = A x B x C

Room Temperature				
°F	77	86	95	100
A	1.00	0.92	0.84	0.80

Operating Temperature					
°F	86	95	100	113	122
B	1.24	1.00	0.82	0.69	0.54

Operating Temperature												
PSI	75	85	100	115	130	145	160	175	190	200	215	230
C	0.90	0.96	1.00	1.03	1.06	1.08	1.10	1.12	1.13	1.15	1.16	1.17

Original parts. Your quality assurance.

The 'original part' identification confirms that these components passed our strict test criteria. All parts are designed to match the quality air solution product and are approved for use on the specified quality air solution product. They have been thoroughly tested to obtain the highest level of protection, extending the quality air solution products' lifetime and keeping the cost of ownership to an absolute minimum. No compromises are made on reliability. The use of 'original part' certified quality components helps ensure reliable operation and will not impact the validity of your warranty, unlike other parts. Look for your quality assurance.

WARRANTY INFORMATION

1-YEAR — **1-Year Standard Factory Warranty**

Twelve (12) months from date of start-up or eighteen (18) months from date of shipment from the factory, whichever occurs first.

Parts - Ninety (90) days from date of Distributor sale or twelve (12) months from date of factory shipment, whichever occurs first.