

Compressed air is highly saturated with water vapor. Excess moisture causes corrosion of the distribution system and harms equipment and ruins processes or products costing you time and money. A qualified Refrigeration Air Dryer solves the problem of harmful moisture in your compressed air system by reducing the quantity of water vapor, water aerosols and hydrocarbon vapor and effectively draining it from compressed air. Using well proven technologies, WiseAir Refrigeration Air Dryers perform the drying operation efficiently and provide air quality in accordance with ISO8573.1

Features

Extremely compact

Evolution design - Stainless Steel Heat Exchanger for critical applications

Environmentally friendly refrigerants with Zero pollution risks in accordance with Montreal Protocol

Engineered for a low pressure drop

Robust aluminum construction with no corrosion

Full feature, multi function control panel

Energy saving to reduce electrical energy consumption to a minimum.

Steady dew point performance

High speed, low noise Fan motor

Low operating and maintenance costs due to technological advances

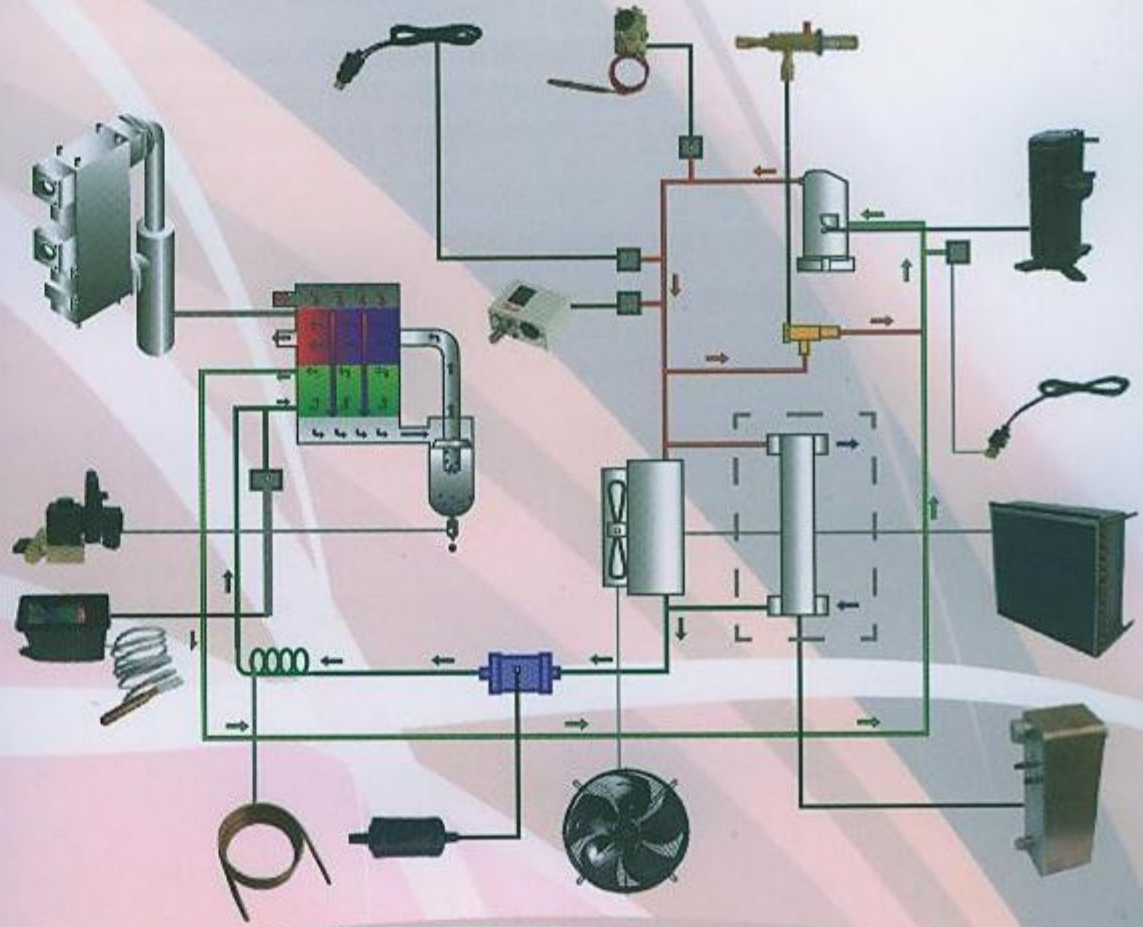
High operating limits with wide applications

the most innovative solutions by the R&D

one year international warranty



How it works



MONTREAL PROTOCOL



Refrigerants R407c and R134a



The highest quality product backed by the world's best brands



Specifications

Below data is rated at air inlet temperature 38°C, ambient temperature 38°C, air inlet pressure 7barg, Pressure dew point 2~8°C. Water-cooled models are available from 13 m³/min onwards.

WiseAir Refrigeration Air Dryer S Class - Stainless Steel Heat Exchangers

Modle	Volume m ³ / min	Electrical Supply V/Ph/Hz	Nominal Power kw	Air Conn.	Dimensions in mm			Approx Weight kg
					L (mm)	W (mm)	H (mm)	
D006S	0.6	220/1/50	0.23	Rc1/2"	500	250	500	25
D009S	0.9	220/1/50	0.26	Rc1/2"	500	250	500	25
D012S	1.2	220/1/50	0.40	Rc1/2"	600	310	500	30
D015S	1.5	220/1/50	0.45	Rc1/2"	600	310	500	30
D018S	1.8	220/1/50	0.46	Rc1/2"	600	310	500	30
D024S	2.4	220/1/50	0.47	Rc3/4"	750	360	550	50
D030S	3	220/1/50	0.49	Rc3/4"	750	360	550	50
D036S	3.6	220/1/50	0.62	Rc3/4"	750	360	550	55
D040S	4	220/1/50	0.65	Rc3/4"	750	360	550	55

WiseAir Refrigeration Air Dryer P Class Professional Heavy Duty Air Dryer

D060P	6.5	220/1/50	1.40	Rc1-1/2"	750	550	880	78
D080P	8.8	220/1/50	1.40	Rc1-1/2"	750	550	880	80
D100P	11	220/1/50	1.85	Rc1-1/2"	750	550	880	85
D120P	13	220/1/50	2.30	Rc 2"	1000	670	1030	130
D150P	17	220/1/50	3.03	Rc 2"	1000	670	1030	140
D200P	22	380/3/50	3.10	Rc 2"	1000	670	1030	150
D250P	27	380/3/50	3.63	Rc 2-1/2"	1000	820	1600	250
D300P	33	380/3/50	4.40	Rc 2-1/2"	1000	820	1600	260
D350P	37	380/3/50	5.10	Rc 2-1/2"	1000	820	1600	270
D400P	45	380/3/50	6.13	DN100	1150	1120	1750	500
D500P	55	380/3/50	6.90	DN100	1150	1120	1750	510
D600P	65	380/3/50	8.34	DN100	1150	1120	1750	550
D700P	73	380/3/50	9.81	DN125	1150	1120	1750	580
D800P	80	380/3/50	11.90	DN150	1850	1200	2350	800
D900P	90	380/3/50	13.10	DN150	1850	1200	2350	810
D1000P	100	380/3/50	16.70	DN150	1850	1200	2350	850
D1200P	120	380/3/50	21.00	DN150	1850	1200	2350	870
D1500P	150	380/3/50	33.00	DN200	2200	1300	2350	1200
D1800P	180	380/3/50	39.10	DN200	2200	1300	2350	1250

Flow Correction Factors

To obtain Dryer capacity at new conditions , multiply capacity A X B X C

Work Pressure A

Work Pressure MPa(g)	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5
Correction Factor A	0.764	0.855	0.917	0.962	1	1.042	1.075	1.111	1.149	1.176	1.220	1.250	1.282

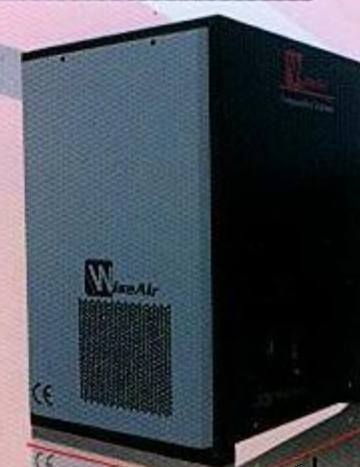
Inlet Temperature B

Inlet Temperature °C	27	30	35	38	40	43	46	49	54	60
Correction Factor B	1.5	1.36	1.11	1.0	0.92	0.83	0.76	0.69	0.56	0.46

Ambient Temperature C

Ambient Temperature °C	20	25	30	35	38	40	45	50
Correction Factor C	1.21	1.15	1.10	1.02	1	0.89	0.79	0.69

• The Min. Ambient Temperature is 5°C

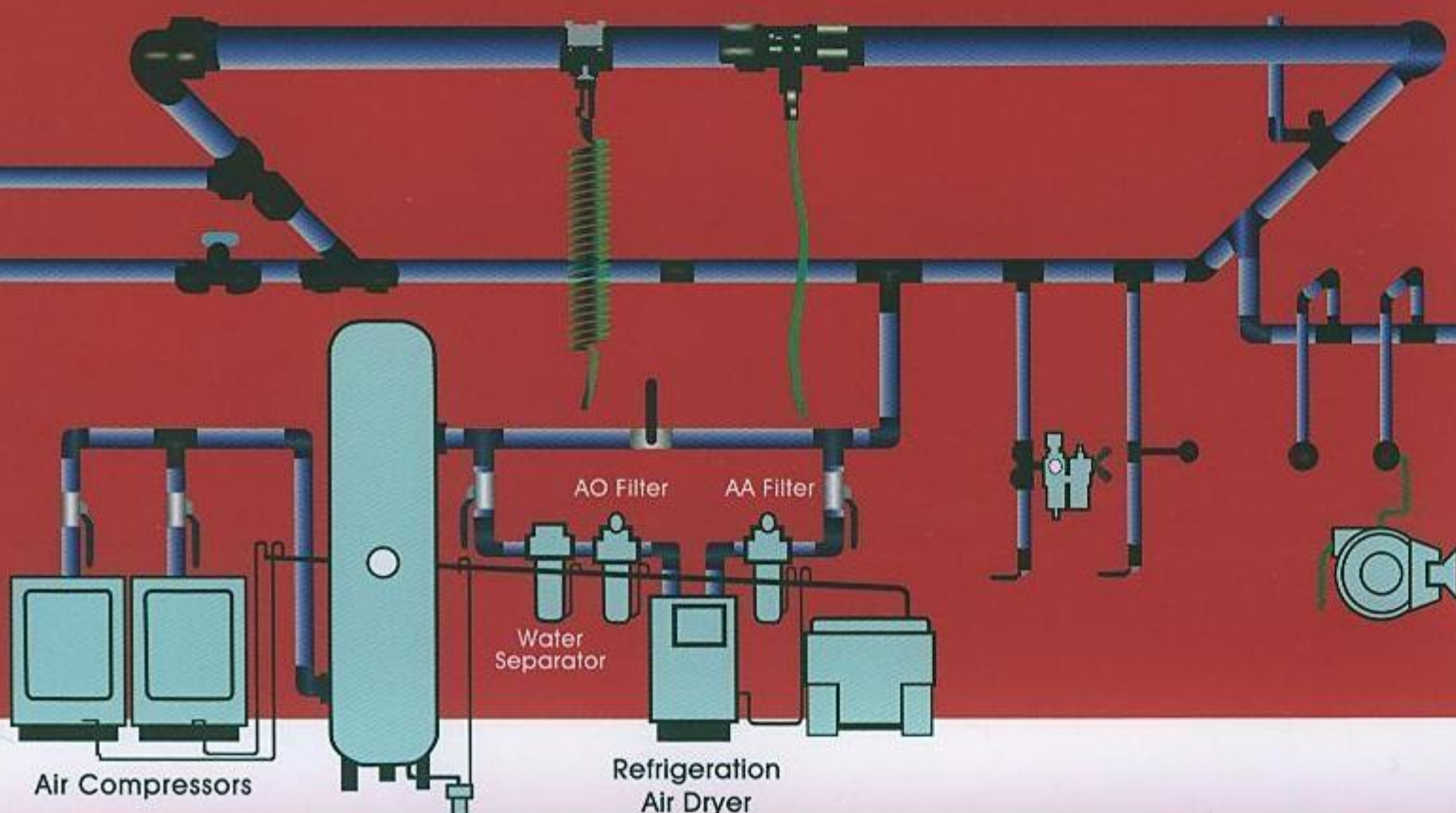




■ Through a process of rationalization and innovation by the WiseAir R&D, the refrigeration air dryers have evolved into a high quality product backed by the industry's longest warranty.

ISO8573-1:2010 CLASS	Solid Particulate				Water		Oil
	Maximum number of particles per m ³			Mass Concentration mg/m ³	Vapor Pressure Dewpoint	Liquid g/m ³	Total Oil (aerosol liquid and vapor) mg/m ³
	0.1 - 0.5 micron	0.5 - 1 micron	1 - 5 micron				
0	As specified by the equipment user or supplier and more stringent than Class 1						
1	≤ 20,000	≤ 400	≤ 10	-	≤ -100°F (-70°C)	-	0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40°F (-40°C)	-	0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -4°F (-20°C)	-	1
4	-	-	≤ 10,000	-	≤ +37.4°F (+3°C)	-	5
5	-	-	≤ 100,000	-	≤ +44.6°F (+7°C)	-	-
6	-	-	-	≤ 5	≤ +50°F (+10°C)	-	-
7	-	-	-	5-10	-	≤ 0.5	-
8	-	-	-	-	-	0.5-5	-
9	-	-	-	-	-	5-10	-
X	-	-	-	>10	-	>10	>10

Air Quality : ISO8573.1: class 1.4.1



WiseAir is a Segment within the internationally active WiseAir Group. The Segment consolidates all the activities in the area of compressed Air System and comes with probably the largest portfolio in this field worldwide. With WiseAir Refrigeration Air Dryer, Desiccant Dryer, filtration, Separation, condensate management, as well as other air treatment equipment for numerous areas of application, our Segment gives comprehensive coverage of the spectrum. Customers in the global markets profit from our highest standard of efficiency, safety and sustainability.

Distributor:

WiseAir reserves the right to change or modify specifications, features, products, options, dimensions and materials without notice or obligation.

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