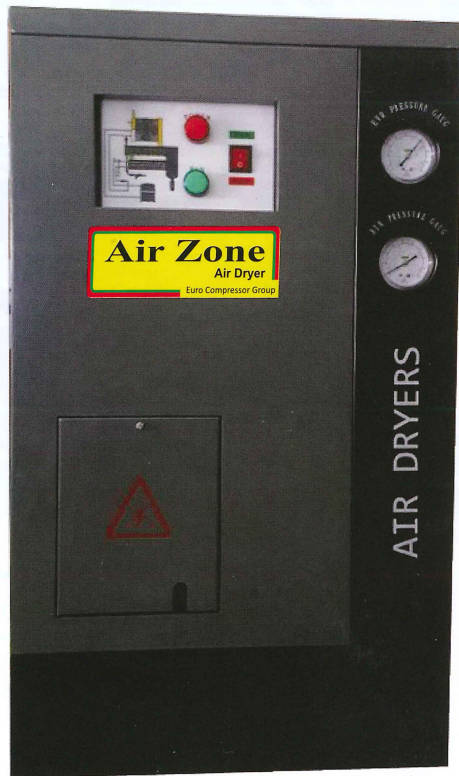


# Air Zone

Air Dryer

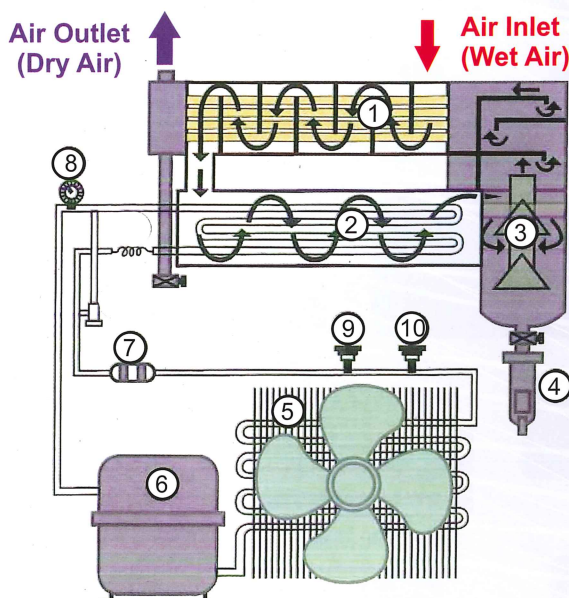
Euro Compressor Group

## High-Performance Refrigerated AIR DRYER



**AK SERIES**  
Superior Performance

### PROCESS FLOW DIAGRAM



1. Pre-Cooler / Re-Heater
2. Evaporator
3. Moisture Separator
4. Condensate Auto Drain
5. Condenser Unit
6. Freon Compressor
7. Filter Dryer
8. Low Pressure Switch
9. High Pressure Switch
10. Fan Pressure Switch

## SPECIFICATIONS

MODEL	Flowrate	Electrical Supply			Connection	Weight	Dimension
	(m3/min)		kW	A		KG	L* W* H* (mm)
<b>AK-10</b>	1.5	240V/1/50Hz	0.37	3.9	<b>1" PT</b>	60	700x450x730
<b>AK-20</b>	2.5	240V/1/50Hz	0.37	3.9	<b>1 ½" PT</b>	70	700x450x780
<b>AK-30</b>	3.8	240V/1/50Hz	0.74	4	<b>1 ½" PT</b>	90	950x500x840
<b>AK-50</b>	7.0	240V/1/50Hz	1.09	6.7	<b>1 ½" PT</b>	120	1030x500x890
<b>AK-75</b>	10.0	240V/1/50Hz	1.58	8.8	<b>2" PT</b>	160	1200x600x1140
<b>AK-100</b>	13.0	415V/3/50Hz	1.94	10.7	<b>2" PT</b>	200	1300x700x1220
<b>AK-150</b>	18.0	415V/3/50Hz	2.57	7.5	<b>DN80</b>	230	1350x700x1440
<b>AK-200</b>	23.0	415V/3/50Hz	3.1	8.5	<b>DN80</b>	240	1350x700x1440
<b>AK-250</b>	28.0	415V/3/50Hz	4.4	12	<b>DN80</b>	330	1500x800x1640
<b>AK-300</b>	36.0	415V/3/50Hz	5.78	13	<b>DN100</b>	330	1500x800x1640
<b>AK-400</b>	45.0	415V/3/50Hz	6.51	16	<b>DN125</b>	600	2000x1100x1460
<b>AK-500</b>	55.0	415V/3/50Hz	8.62	20	<b>DN125</b>	710	2100x1050x2010

Design operating compressed air pressure : 0.40MPa - 1.3MPa

Inlet air Temperature : 38°C ; Ambient Temperature 35°C

All above air dryer models use Shell-Tube heat exchanger.

All above air dryer models use either R22 gas or R134a gas, depending on availability

All air dryer are to be installed in a safe, clean and dry environment sheltered from rain and sun.

\*\*\* The above specification are subject to change without prior notice\*\*\*

## Capacity Correction Factors

### Inlet Air Pressure (barG)

barG	4	5	6	7	8	9	10	13
Factor	0.75	0.84	0.92	1.00	1.03	1.07	1.09	1.18

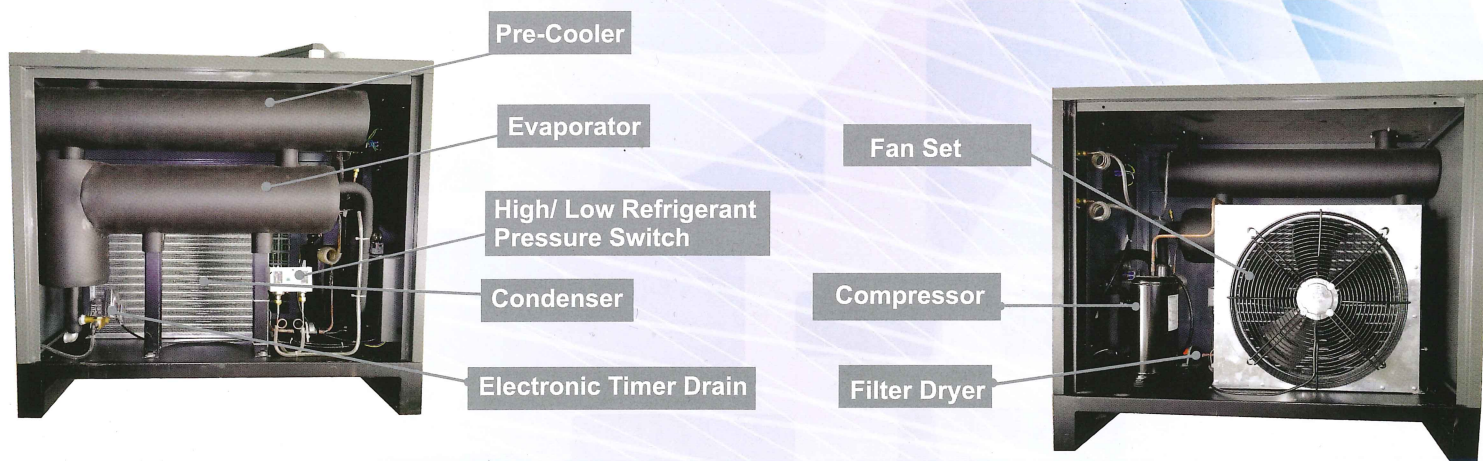
### Inlet Air Temperature (°C)

°C	33	35	40	45	50	55
Factor	1.15	1.10	1.00	0.83	0.70	0.60

### Ambient Air Temperature (°C)

°C	20	25	30	35	40	45
Factor	1.20	1.06	1.00	0.75	0.60	0.45

## ••• DESIGN ASSEMBLY & FEATURES •••



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