

Air Zone

Air Dryer

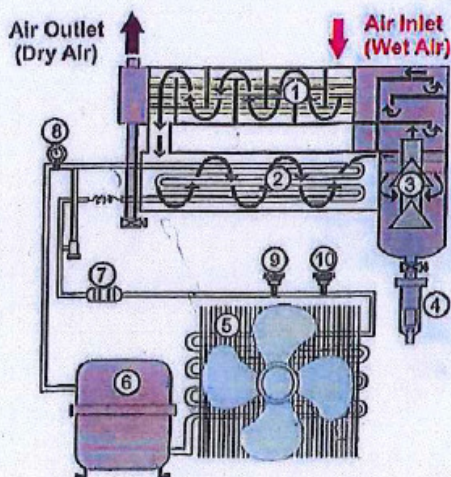
Euro Compressor Group

High-Performance Refrigerated AIR DRYER

**BLUE
Series**



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

* Some specifications in this bulletin may change without notice

REFRIGERATED AIR DRYER TECHNICAL PARAMETER LIST

MODEL	AH-10SG	AH-15SG	AH-20SG	AH-30SG	AH-50SG
Ambient Temp	≤ 35°C				
Ambient Temp	≤ 60°C				
Cooling Mode	Air Cooling				
Air Flow (m³/min)	1.5	2.0	2.5	3.8	6.5
Compressor power (kW)	0.32	0.51	0.73	0.92	1.38
Air Inlet Pressure (Mpa)	0.4-1.0				
Pressure Loss (Mpa)	≤ 0.02				
Dew point (°C)	*2 - 5				
Max pressure	13kg				
Pipe diameter	R1"		R1 1/2"		
Electricity	220 / 1 / 50				
Size (mm) (L)	640	730	730	760	900
(W)	380	400	400	450	500
(H)	800	820	480	970	1120
Net weight (kg)	30	40	50	80	110

Design operating compressed air pressure : 0.40MPa - 1.3MPa

Inlet air Temperature : 60°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 ...

