

# AIR COOLING SERIES

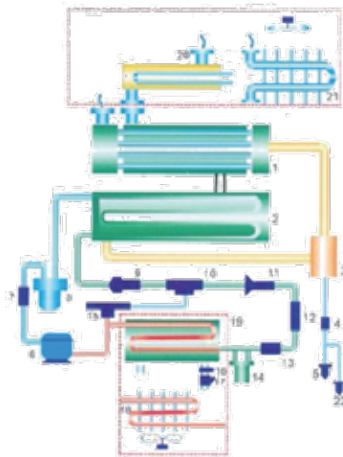
## REFRIGERATED AIR DRYER



# Refrigerated Air Dryer

## Refrigerated Air Dryer Air-cooling

Inlet temperature: High inlet temperature < 80°C  
Cooling method: Air-cooling  
Ambient temperature: <38°C  
Design dew point: 2-10°C  
Refrigerant: R-22 and R134A, R404A, R407C  
Inlet pressure: 6-40bar  
Pressure drop: <0.2bar



- |                            |                              |
|----------------------------|------------------------------|
| 1.Heat exchanger           | 12.View monitor              |
| 2.Evaporator               | 13.Dry filter                |
| 3.Gas/Liquid separator     | 14.Tank                      |
| 4.Jam-prevent drain filter | 15.Hot gas by-pass valve     |
| 5.Manual draining valve    | 16.Water adjustable valve    |
| 6.Refrigerated compressor  | 17.Water filter              |
| 7.Aspirating filter        | 18.Condenser(Air-cooling)    |
| 8.Vaporization             | 19.Condenser(Water-cooling)  |
| 9.Separator                | 20.Pre-cooler(Water-cooling) |
| 10.Gas/Liquid mixer        | 21.Pre-cooler(Air-cooling)   |
| 11.Thermal expansion valve | 22.Auto-drainer              |



# Refrigerated Air Dryer

## Technical Data

| Model                  | Flow Capacity | Conn.    | Dimensions mm |      |      | Weight |
|------------------------|---------------|----------|---------------|------|------|--------|
|                        | M3/min        |          | L             | W    | H    | Kg     |
| Refrigerated air dryer |               |          |               |      |      |        |
| BT-2F                  | 2.6           | ZG1”     | 700           | 450  | 915  | 80     |
| BT-4F                  | 4             | ZG1 1/2” | 850           | 500  | 970  | 105    |
| BT-5F                  | 5.2           | ZG1 1/2” | 850           | 500  | 970  | 135    |
| BT-7F                  | 7             | ZG1 1/2” | 900           | 560  | 1070 | 190    |
| BT-8F                  | 8.5           | ZG1 1/2” | 900           | 560  | 1070 | 195    |
| BT-11F                 | 11            | ZG2”     | 1180          | 670  | 1160 | 225    |
| BT-13F                 | 13.8          | ZG2”     | 1180          | 670  | 1160 | 260    |
| BT-16F                 | 16            | ZG2”     | 1180          | 670  | 1160 | 305    |
| BT-20F                 | 20            | DN80     | 1360          | 710  | 1205 | 400    |
| BT-25F                 | 25            | DN80     | 1650          | 970  | 1422 | 520    |
| BT-35F                 | 35            | DN80     | 1650          | 970  | 1422 | 630    |
| BT-45F                 | 45            | DN100    | 1810          | 1090 | 1697 | 750    |
| BT-55F                 | 55            | DN125    | 2245          | 1410 | 1955 | 870    |
| BT-17W                 | 17            | DN80     | 1560          | 1118 | 1340 | 420    |
| BT-23W                 | 23            | DN80     | 1600          | 1110 | 1486 | 470    |
| BT-27W                 | 27            | DN80     | 1805          | 1110 | 1510 | 590    |
| BT-33W                 | 33            | DN80     | 1950          | 1283 | 1700 | 680    |
| BT-45W                 | 45            | DN100    | 2250          | 1285 | 1683 | 785    |
| BT-55W                 | 55            | DN125    | 2130          | 1350 | 1708 | 870    |
| BT-65W                 | 65            | DN125    | 2310          | 1430 | 1708 | 1100   |
| BT-85W                 | 85            | DN125    | 2460          | 1440 | 1893 | 1700   |
| BT-100W                | 100           | DN150    | 2860          | 1620 | 2000 | 2480   |
| BT-120W                | 120           | DN150    | 2960          | 1620 | 2030 | 2520   |
| BT-150W                | 150           | DN200    | 2960          | 1620 | 2050 | 2800   |
| BT-200W                | 200           | DN200    | 3130          | 2090 | 2470 | 3360   |
| BT-300W                | 300           | DN250    | 3800          | 2470 | 2959 | 3920   |



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