

## Key Daily Maintenance Points of Air Dryer

The air Refrigerated air dryers enjoy wide use and have relatively low maintenance requirements. Remember, if properly sized, installed and maintained, you'll encounter few problems.

### 1. Dust should be removed from the condenser fins.

The air-cooled condenser must be cleaned frequently so as to keep it away from dirt or other impurities; Otherwise it may retard heat transfer effect.

Method 1 : Use air duster.

Method 2 : Brush by soft steel wire of brush.

### 2. The auto-drain should be cleaned and maintained regularly to avoid blocking.

Method 1 : Filter element and strainer mesh should be cleaned up monthly.

Method 2 : If the drainage pipe blocked, dismantle and clean.

Method 3 : If the auto-drain damaged, drain the water by hand.

### 3. Refrigerant pressure gauge value when stopped : No less than 0.35 MPa.

**Do not start when the pressure is less than 0.35MPa.**

### 4. Avoid long term operation without load.

**And don't start the refrigerated compressor again and again over 5 times/hour.**

### 5. Routine inspection: power supply, water supply and gas supply conditions.

Observe and keep reading on the panel of the refrigerated air dryer.

# TROPICAL EDITION

# MARUTEK Dryer Series

**NEW  
VERSION**



**PT.SUMBER KOMPRESSOR ABADI**

Jl. Tomang Raya No.15, Jakarta 11440 Indonesia

Telp: (021) 5681789, 5681790 Fax: (021) 5681791

Email: sukom@sumberkompessor.co.id

**MARUTEK**

## MARUTEK REFRIGERATED AIR DRYER

Marutek refrigerated air dryer is using refrigeration dehumidification principle to condense the gaseous water in the compressed air into liquid water, and then separate through a special gas-liquid separator, to achieve the purpose of dehydration, finally move out by auto-drainer.

### Reliable system protection

Our refrigerated air dryers offer a reliable, cost effective and simple solution to avoid condensation and thereby corrosion in your systems

### Minimal maintenance, maximum uptime

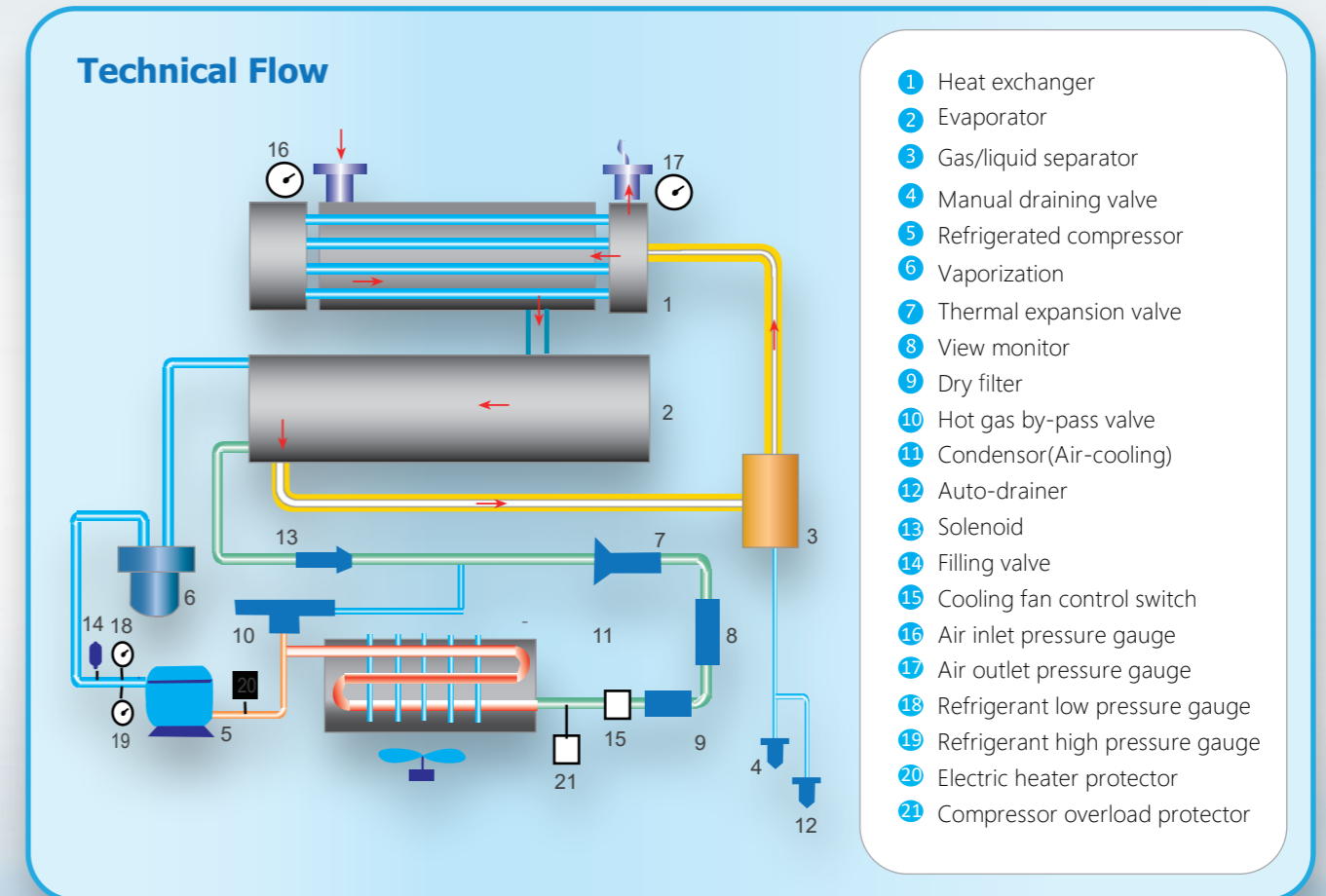
Our ranges of refrigerated air dryers require a minimum of maintenance, and hence can deliver a maximum of uptime. Reducing your operational costs through less downtime

### Easy to install

Our refrigerated air dryers follows the plug-and-play concept, meaning you can easily install your unit.

### Eco Friendly Refrigerant

Using R419A. R-407'C refrigerant with famous brand



## Technical Specification

Model No.	Capacity (Nm3/min)	Power Supply V/HZ	Air Connections	Compressor power (KW)	Power Consumption (KW)	Dimension			Weight KG
						L	W	H	
QDCD-001GF	1.6	AC 220V/50HZ	G1"	0.53	0.61	700	420	725	51
QDCD-002GF	2.7	AC 220V/50HZ	G1"	0.68	0.77	750	450	775	58
QDCD-003GF	3.8	AC 220V/50HZ	G1"	0.85	0.94	850	480	855	75
QDCD-005GF	5.8	AC 220V/50HZ	G1½"	1.10	1.22	920	550	980	86
QDCD-006GF	6.8	AC 220V/50HZ	G1½"	1.25	1.37	1070	620	1125	117
QDCD-008GF	8.5	AC 220V/50HZ	G1½"	1.90	2.08	1070	620	1125	150
QDCD-010GF	11	AC 220V/50HZ	G2"	2.10	2.34	1270	730	1195	155
QDCD-012GF	14	AC 220V/50HZ	G2"	2.45	2.69	1270	730	1195	175
QDCD-015GF	18	AC 380V/50HZ	DN65	2.80	3.16	1450	750	1270	265
QDCD-020GF	25	AC 380V/50HZ	DN65	3.80	4.30	1450	750	1270	300
QDCD-025GF	28	AC 380V/50HZ	DN80	4.50	4.98	1600	750	1390	350
QDCD-030GF	35	AC 380V/50HZ	DN80	5.50	5.98	1600	750	1390	390
QDCD-040GF	45	AC 380V/50HZ	DN100	7.50	8.50	2100	1000	1400	500
QDCD-050GF	55	AC 380V/50HZ	DN100	9.00	10.00	2070	1000	1700	770
QDCD-060GF	65	AC 380V/50HZ	DN125	11.00	12.00	2000	1180	1750	890

## Working Conditions & Technical Parameters

Nominal pressure dew point range : 2°C-10°C  
 Working pressure range : 0.4Mpa - 1.3Mpa  
 Max. inlet air temperature : ≤80°C  
 Ambient temperature range : 5°C-38°C  
 Cooling type : Air cooling  
 Pressure drop : ≤0.02Mpa

Contents / Correct coefficient							
Inlet temperature (°C)	≤38	45	50	55	60	65	≥ 65
Correct coefficient	1.10	1.00	0.88	0.75	0.60	0.50	0.38
Pressure dew point (°C)	0	2	5	7	10	12	15
Correct coefficient	0.75	0.80	0.93	1.00	1.06	1.10	1.20
Ambient temperature(°C)	≤25	30	32	35	38	40	45
Correct coefficient	1.20	1.15	1.10	1.05	1.00	0.90	0.70
Working pressure (Mpa)	0.4	0.5	0.6	0.7	0.8	0.9	≥ 1.0
Correct coefficient	0.70	0.80	0.88	0.95	1.00	1.05	1.10