

# **Protecting Air Quality**

Support for inspection, repair and maintenance of main line components



# We recommend preventative maintenance for air dryers and main line filters.

Poor maintenance, deterioration, clogging, etc., are detrimental to "Stable Clean Air Quality".

The supply of stable quality air will also help you save energy and contribute to improved product quality.

# 3 aspects of professional support

#### Onsite inspection/repair/maintenance support

Worksite recovery is the first priority. We carry out onsite inspection, repair and maintenance.

#### Factory inspection/repair/maintenance support

Send us your products for inspection, repair and maintenance.

### Technical inquiries supported

We offer support for maintenance methods, malfunction countermeasures and technical consultation.

See the next page for representative examples: check it right now!



Contact CKD sales offices throughout the country for details.

CKD Dr. Main Line



Go

# Main line filter

Regular element replacement protects the "air quality".



# Refrigeration air dryer

Periodic and simple inspections have been made compulsory by the Fluorocarbons Recovery and Destruction Law, which took effect in April 2015.



## **Desiccant air dryer**

Be sure to maintain a low dew point through conscientious periodic inspection.

\* Dew point meters must be periodically calibrated.





Others

Pressure fluctuations due to other component malfunctions (switching valve, etc.) may also decrease dehumidifying performance.

# Membrane air dryer

The membrane module must be replaced regularly. (Approx. every 3 years.)



The membrane module and filter element must be replaced.

**POINT to CHECK** 

Deterioration/damage to the

membrane module and filter element



he membrane module must be replaced.

#### For customers using refrigeration air dryers/chillers (water cooling units)



# The Fluorocarbons Recovery and Destruction Law

has taken effect as of April 2015.

CKD's "Refrigeration air dryers"
and "Chillers (water cooling units)" are
applicable as Type 1 special products,
for which simple and periodic

inspection is now compulsory.





Refrigeration air dryer

Chiller (Water cooling unit)

For example...

Neglected inspections leading to uncontrolled ejection of fluorocarbons are prohibited by law.

#### Targets and frequency of inspection

Simple inspection (on advice from specialists)				
Components	All components			
Inspection frequency	At least once every 3 months			

Periodic ins	eriodic inspection (carried out by a fully knowledgeable qualified expert)				
Components	Compressors/motors rated output				
	Air conditioners of 7.5 kW or more and less than 50 kW	ALL KVIVI OF MORD	Freezers and refrigerators of 7.5 kW or more		
Inspection frequency	At least once every 3 years	At least once every year	At least once every year		

If an infraction takes place...

Punishment will be up to 1 year imprisonment or a maximum fine of 500,000 yen.

Checkups of refrigeration air dryers and chillers subject to the Act on Fluorocarbons

## Dr. Main Line is at your side!

Make sure the refrigeration air dryers and chillers get their yearly checkup! CKD provides checkups (inspection/maintenance) via Dr. Main Lines throughout the country to keep your refrigeration air dryers and chillers at their peak performance.



#### Main inspection/maintenance items

- Is the air dew point normal?
- Is there a refrigerant leak?
- Is the pressure normal?
- Is there any accumulated debris?
- Is the voltage normal?

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