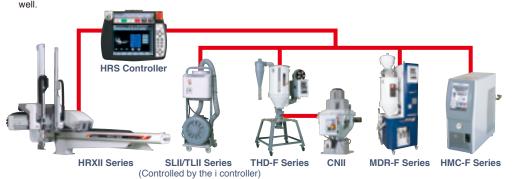
Shorter Mold Changing Time - Robot Link

HAL-NET (HARMO ALL-AROUND LINK-NET)

HARMO's traverse type robot can remotely control the dehumidifying dryers or other peripheral equipment made by HARMO. After saving the corresponding data, simply load the mold data to be able to control / operate the set peripheral equipment with the robot controller. This link-to-control feature prevents careless mistakes such as not selecting the appropriate temperature. Also it helps to reduce the time required for changing the molds.

Under this link feature, the robot can remotely control the peripheral equipment installed outside of a clean room as



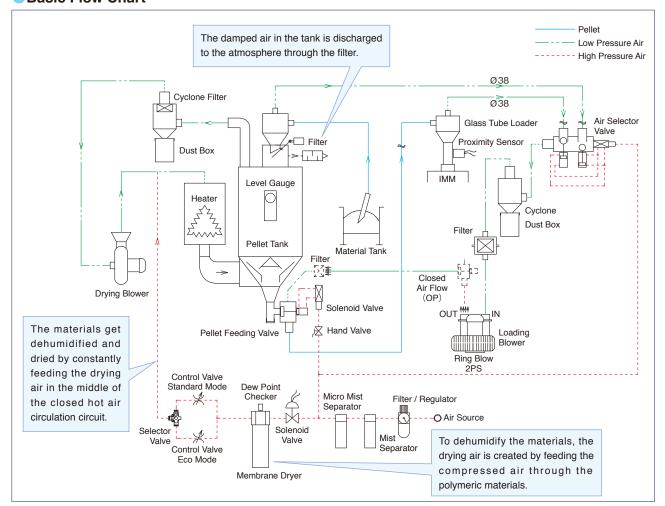


Most of the HARMO auxiliary equipment uses the universal control panel for easy operations.

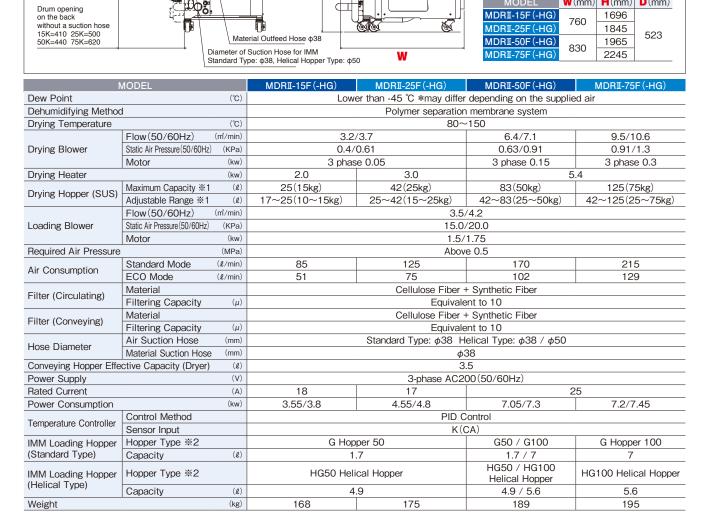
Other Features

- All size is equipped with 2-horse power ring blower to convey in a
- This drying mechanism, simpler than the honeycomb type, minimizes possible contamination.
- A conventional honevcomb dehumidifier uses a heater in regeneration of desiccant. The polymer separation membrane system does not require any regeneration process so that the system can eliminate electricity cost for such process.
- The exposed hopper and discharge unit are ready for easy maintenance, cleaning, and ser-
- Polymer separation membrane system with long

Basic Flow Chart



- vicing.
- Infrared Remote Controller (option) provides cable-less operation.
- service life and maintenance-free

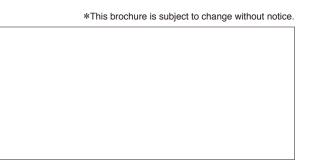


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- *1 The capacity (ℓ) is based on using ABS virgin pellets with the appearnt specific gravity 0.6.
- *2 For 50KG standrd type, select either G Hopper 50 or 100. For 50KG helical hopper type, select HG 50 or HG 100 Helical Hopper.

INTERNATIONAL MARKETING DEPT.

http://www.harmo-net.co.jp



MDR2-01E 1801P

1696

1845



DEHUMIDIFYING DRYERS



SERIES



Stable Quality, Shorter Drying Time and Mold Changing Time, provided by thorough dehumidifying processing

Stable Molding Quality

Reassuring usage with low dew point of -45 °C and verstille functions!

Purging



The standardly equipped purging valve can feed out the materials left in the hose (the air purging time is adjustable).

Helical Hopper (HG type)

Sample Material

with Dust Removed

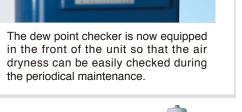
remove the fine powder from their surface.

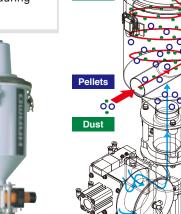
Dew Point Checker

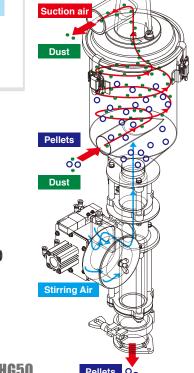
the periodical maintenance.

The closed air flow function can convey the materials to the loading hopper on the injection molding machine without intaking the secondary air (option).

Closed Air Flow Conveying







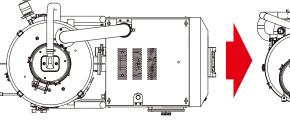


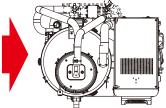


Side View (Right)

More Space-Saving

The dust collector is stored within the frame to reduce the occupying space by 57%.



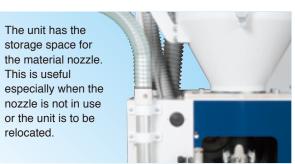


Compact yet Easy to Use



The unit has the storage space for the material nozzle. This is useful especially when the nozzle is not in use

relocated.

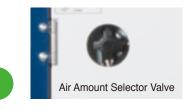


40% Less Air Consumption with Eco Mode

Select the eco mode to save the air consumption amount.

Engineering Standard Mode

ECO Mode



Save electricity with the Eco mode for commodity plastic molding!!

	MDRI-25F	
	Standard Mode	ECO Mode
Standard Mode (2/min)	125	75
Air Compressor Electricity Consumption *1 (kwh)	1.36	0.82
Monthly Electricity Consumption *2 (kw)	¥13,872	¥8,364

Actual measurement per hour by running the drying operation *2 24 hours / 25 days 1kw = 17 JPY

5,508 JPY Saving per Month!

66,096 JPY Saving per Year!

Shorter Mold Changing Time

This hopper repeatedly spins the materials by using swirling air to

Cleaning time is 50% shorter than a conventional type!

Transparant Filter Cover

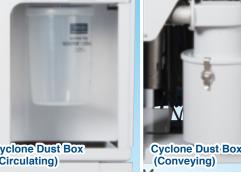


This newly equipped transparant cover provides an easy and clear view of clogs on the filter from its side or back



The filter is easy to come off from its mounting bracket for quick cleaning. The deeper filter tank prevents the powder to fall out when

Double Cycloones



They remove the powder to relief the stress on the filter. The periodical maintenance is easy by simply emptying

Drainage



Snap the latches to remove and clean.

Selector Valve



The dehumidifying air amount is selectable with the equipped selector switch. The available modes are the standard mode and the eco mode

Separator



The cleaning is much easier with the newly shaped separator.

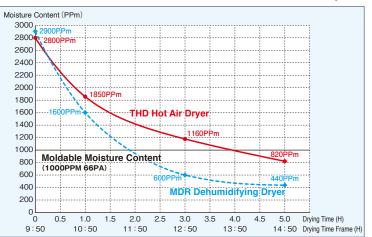
Material Level Gauge Drain Unit



The position of the material level gauge is adjustable to optimize the

The drain unit has enough space to set a 280ml plastic bottle to collect the drainage caught by the equipped air filter.

Differences between MDRII dehumidifiers and THD hot air drvers



2 hours difference in the drying time between MDRII and THD (may vary depending on the air humidity)