

ADAM

Batch type nitrogen dryer DK-05/05C

Small dryer for small quantity precision molding

~5kg Feeding Volume

High-purity nitrogen Reached 99%

Correspond Oxidized / yellowing resin

Correspond Optical

Energy-saving and easy cleaning



■ Uses low dew point nitrogen drying method

By equipping a nitrogen generator as standard equipment, it can be heated and dried with low oxygen (less than 1%).

Compared to regular air heating and drying, it reduces oxidative yellowing and deterioration of the material.

■ Clean for optics

Equipped with a high-performance filter (OP) to prevent material contamination.

Due to the portable cassette-type drying hopper mechanism, air transportation does not contaminate the material after drying.

■ Batch type small amount drying

Achieves a stable material condition. Because the same molding conditions can be reproduced, reduce material and time loss in planned production.

Because it is a batch type ideal for high-mix, small-lot production, it is easy to change colors and clean.

■ Ultimate energy-saving drying

When the required drying time is completed, the heater heating is stopped (constant time drying method), and the resin is stabilized by maintaining a low dew point state.

There is no wasteful energy consumption without heating the heater more than necessary.

■ Equipped with re-adsorption prevention device (interceptor) as standard equipment

The attached molding machine hopper with an interceptor prevents re-adsorption on the molding machine.

Precautions for using ADAM

*When the heating and drying operation is completed, the cooling process stabilizes the resin, so the molding machine input temperature becomes low. It is necessary to change the molding conditions that were molded in the continuous operation.

*Since there is a cooling operation, the operation time is required by adding the cooling time (about 1 hour) to the typical drying time.

*Since the amount of moisture that can be dried in a certain period of time is fixed, it is affected by the initial moisture at the start of the drying operation.

Moisture control of stored materials is required.

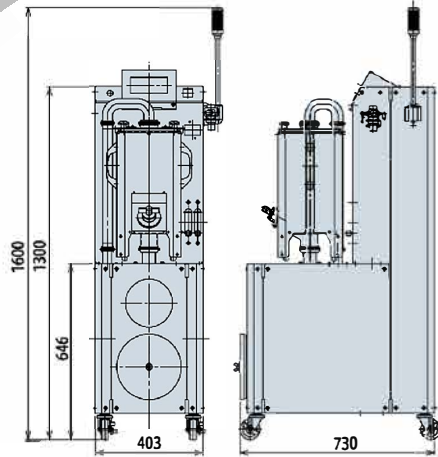
If the primary supply air pressure is less than 0.5MPa, the actual performance may not be exhibited.

*Two types of dry hoppers, 2 kg and 5 kg can be selected as standard.

Material can flow in the hopper, producing dust and inadequate drying.

*Picture is DK-5

Outer Diameter



Specification

Model	DK-5	DK-5C
Feeding Volume	5 kg	
DewPoint (°C)	max -25	
Drying heater cap. (50/60Hz)	1.5 kW	
Drying Blower Cap. (50/60Hz)	0.17/0.28 kW	
Dry hopper effective capacity	8 L	
Total electric capacity(50/60Hz)	2.2/2.6 KVA	
3PhaseAC200V/200, 220V 50/60Hz	15 AT	
Compressed-air-consumption(0.5~0.6MPa)	Approx.50L/min (ANR)	
Option	After cooler	
	Stock hopper (with interceptor)	
	High-performance filter	
Paint	Cover	JMPA Y15-85A semigloss
	Frame	JMPA Y59-500 semigloss
Weight Drying hopper (Full condition)	Approx.7 kg (Approx.12 kg)	
Weight	100 kg	

INTERCEPTOR DN Series

Prevents re-adsorption on the molding machine

Moisture and gas released from the molding machine material are exhausted by the air curtain to reduce the concentration.

Easy installation on existing equipment

Since the upper and lower 2.5S ferrules are installed, they can be easily installed without changing the equipment when using our loader hopper. Since it does not use electricity, it can be installed and relocated without tools.

Removes dust on the molding machine

Reducing dust just before putting it in the molding machine reduces the influence of resin molding dust.

Precautions for interceptor specifications

*The effect of removing dust depends on the resin material, the presence or absence of crushing, the grade, etc.

*The effect of removing water, gas, etc., depends on the resin material, the presence or absence of crushing, the grade, etc.

*The effect may be exhibited by optimizing the molding conditions when installing the interceptor.

*Since the air curtain mechanism lowers the temperature of the passing material, it may be necessary to change the molding conditions.

*Since it supplies low dew point air (-20 °C or higher), it does not absorb moisture due to cooling.

Equipped with re-adsorption prevention device
Interceptor
DN-35/60



Specification

Model	DN-35	DN-60
Discharge diameter	φ 35	φ 60
Material	SUS/AL	
Connecting Method	1. 5S	2. 5S
Drying Air Unit	-20	
DewPoint (°C)	(Installation by Magnet)	
Compressed-air-consumption(0.5~0.6MPa)	Approx.15(0.5~0.6MPa) φ 8	

*These specifications are subject to change without notice.

*Please read the instruction manual carefully before use.

Total Systems Engineer

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