

# NLF200

**Dehumidifying dryer + Loader  
Combination Model**

## ● Capacity

Power		3 phases 200V 60 Hz	3 phases 220V 60 Hz	3 phases 200V 50 Hz
Temperature range		60 to 150 °C		
Dryer blower	Output	0.40 kW		
Heater	Electrical capacity	6.50 kW	7.87 kW	6.50 kW
Loader blower	Output	2.55 kW	2.55 kW	2.2 kW
Carry performance *1		730 kg/h		

\*1 It is the value which used of bulk specific gravity 0.65 g/cm<sup>3</sup> virgin material for level 9 m and perpendicular 3 m and Ø38 mm hose piping, and was measured in our company.

And this value is the case where a supply place is a vacuum cyclone PS1. (at 60 Hz)

## ● Standard specifications

Capacity *2		380 L / 200 kg		
Body ("Dual Package")		Heat insulated double structure		
		Side open type		
Drying system		Semi-closed circuit		
Drying media *3		Dehumidified air + Nitrogen gas (-40°C DP)		
Filter		Circulation filter		
		Exhaust filter		
Temp control	Setting / Display	Digital setting / Digital display		
	Control method	PID		
	Sensor *4	Thermocouple (J)		
Start timer *5		Subtractive type start timer 000 h : 01 m ~ 500 h : 59 m		
Purge unit	Structure	Push-damper type		
Material outlet port	Bore	1 X Ø38 mm		
	Secondary air port	Shutter type		
Material discharge port	Size	48 mm X 120 mm		
	Structure	Flap type		
	Formula	Material discharge switch		
Dust collection system	Main body	Dust filter box		
	Filter	Pre filter + Dust filter		
Material switch supplying	Main body	Air selector		
	Connection port	1 X Ø38 mm , 1 X Ø50 mm (For Drying hopper feeding)		
Safety device	<b>Error contents</b>	<b>Safety device</b>	<b>Error notification mode</b>	
	Earth leakage	Earth leakage circuit breaker	Power OFF	
	Overload	(with overload protector)		
	Emergency stop	Emergency stop button	Panel display + Operation stop	
		Safety switch for hopper closure	Panel display + Operation stop	
	Sensor breakage	Control panel	Panel display + Buzzer + Operation stop	
	Reversed phase	Control panel	Panel display + Buzzer + Operation stop	
	Dryer blower overload	Overload relay	Panel display + Buzzer + Operation stop	
	Loader blower overload	Overload relay	Panel display + Buzzer + Operation stop	
	Overheat	Overheat protector	Panel display + Buzzer + Operation stop	
	Temp. High	Control panel (with standby function)	Panel display + Buzzer	
	Temp. Low	Control panel (with standby function)	Panel display + Buzzer	
	Clean filter	Control panel	Panel display + Buzzer	
	Power failure *5	Control panel	Panel display	
Colour *6	A45-90A(gloss)			

\*2 The value is for manual feeding.

\*3 Consult us if the dew point of primary air under atmospheric pressure exceeds -10°C.  
(The dew-point temperature is that of dehumidifying air.)

\*4 Sensor(s) may change by customer's demand.

\*5 To prevent accident, the machine stops upon a power failure during the operation and does not restart automatically after power restoration.  
If a power failure occurs after the timer has been set, the timer-start is canceled.

\*6 The colour (paint colour) may be changed according to the customer's request.

Specification may be changed without prior notice.

 **NAKAMURA**

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### ● Accessories

Power cord	5 m
Hose	Ø38 mm x 20 m (L) (without earth wire)
Hose band	6 pieces for Ø38 mm hose

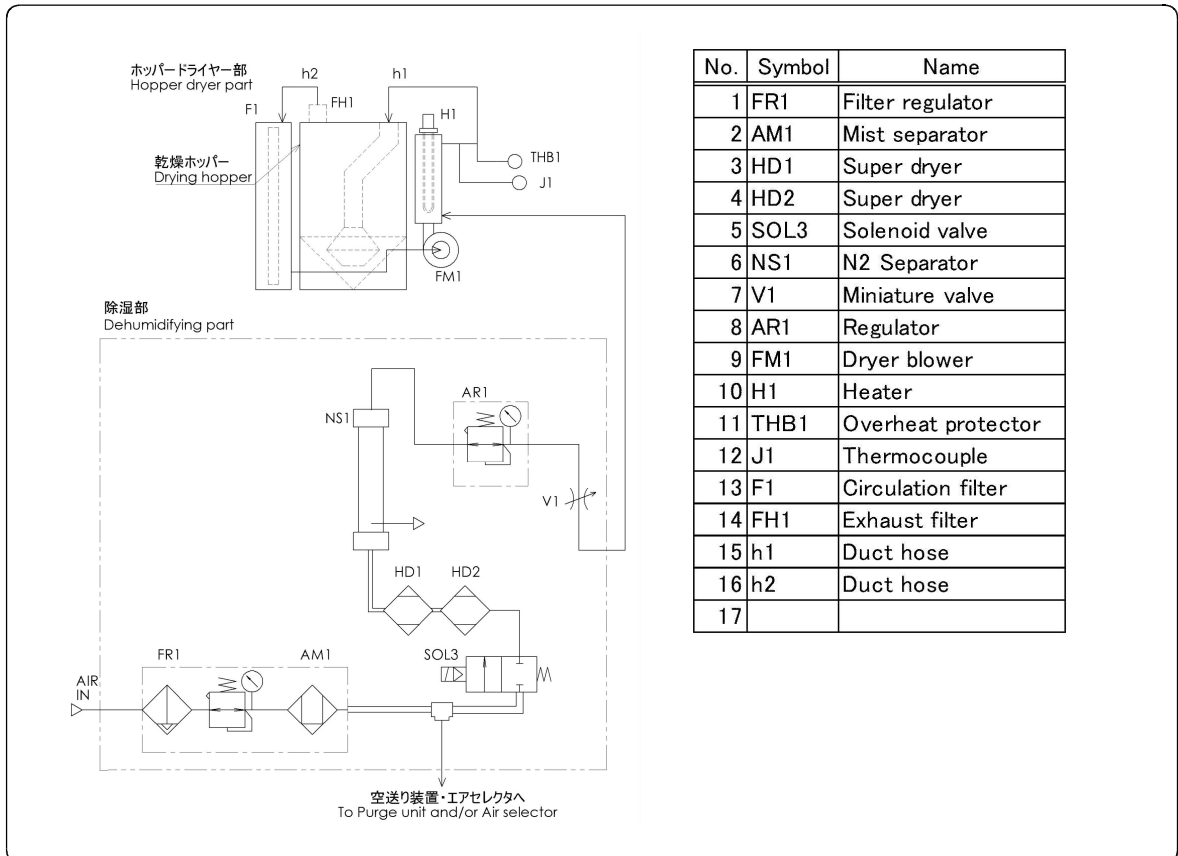
### ● Utilities

Power		3 phases 200V 60 Hz	3 phases 220V 60 Hz	3 phases 200V 50 Hz
Electric capacity		9.5 kW	10.9 kW	9.1 kW
Rated current		33.7 A	34.8 A	29.6 A
Circuit breaker capacity		50 A		
Air	Quantity	20.9 Nm <sup>3</sup> /h		
	Pressure	0.45 MPa		
Size *7		W1069 X D695 X H2572 (mm)		
Weight *8		440 kg		

\*7 Protrusions are not contained.

\*8 Weight of a standard model

### ● Flow



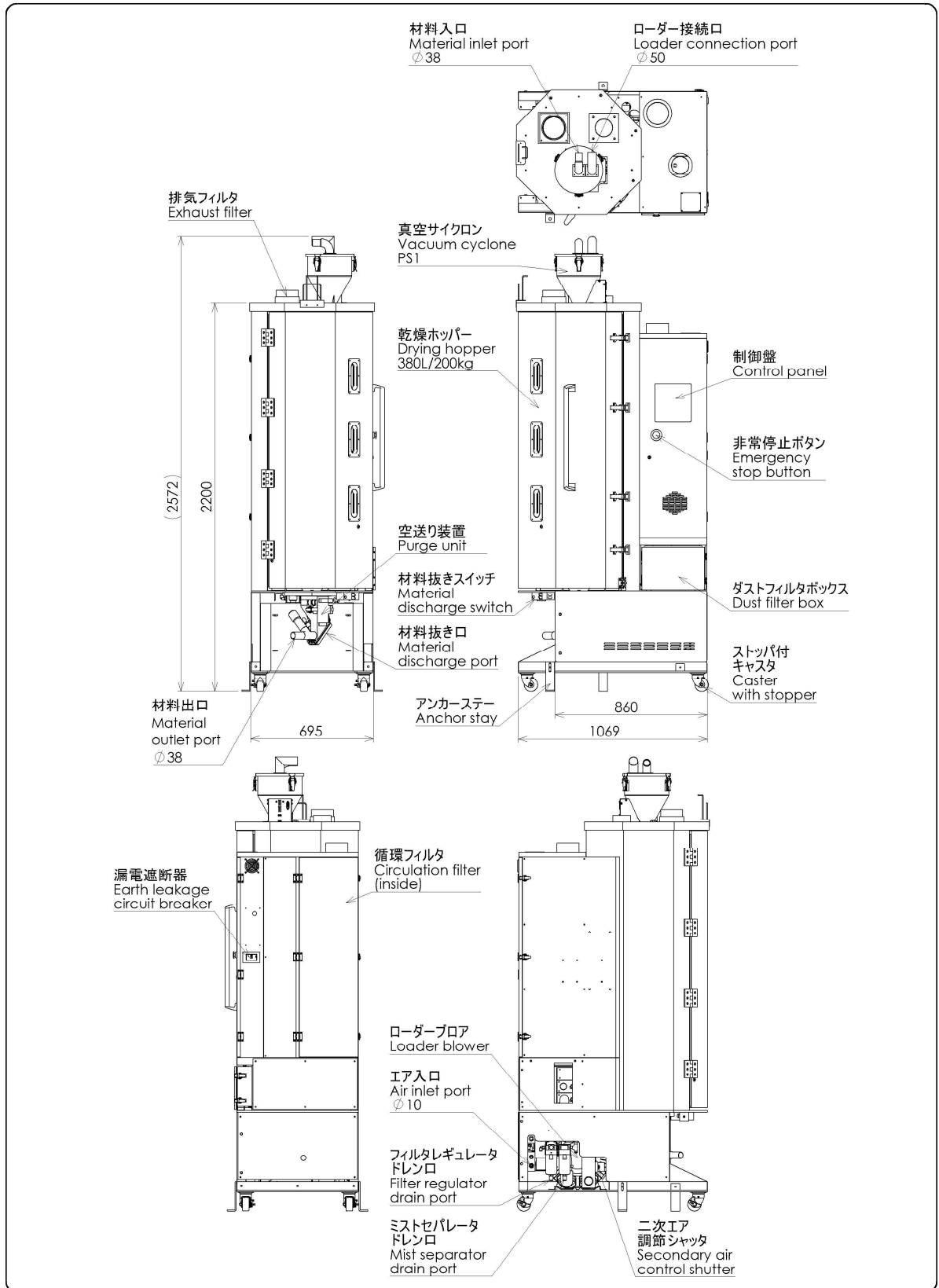
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● Outline view



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