

FORMAX[®]

HERE BEGINS YOUR ULTIMATE VALUE

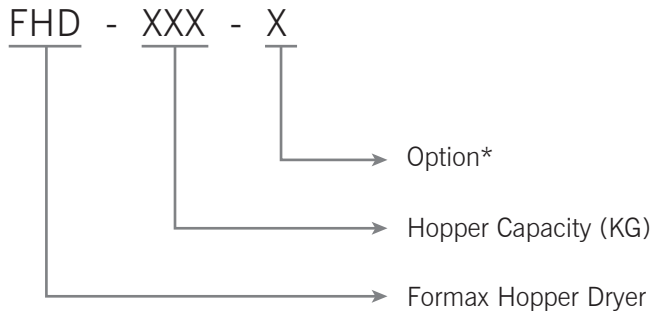
FHD Series Hopper Dryer

FHD-50

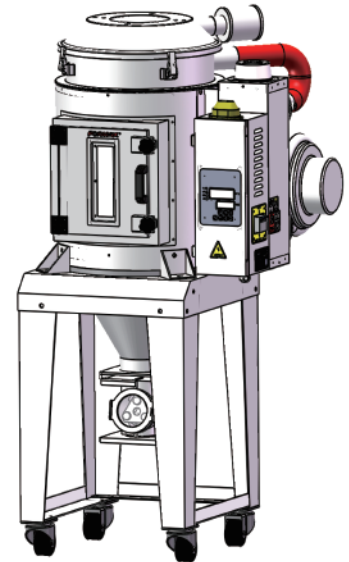


Please read the brochure carefully before operation.

■ Coding Principle



Note : *
HT=180°C High Temperature P=Polish Internal Hopper



FHD-50 with floor stand (optional)

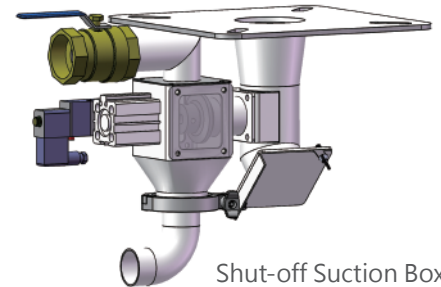
■ Features

Standard Configuration

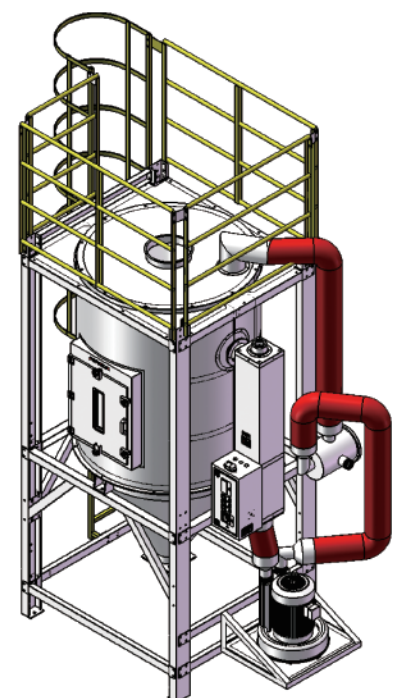
- Adopt microprocessor controller to control the temperature exactly and use LED monitor and digital PID control.
- Overheat protection can reduce the loss of human or mechanical failure.
- It's better to adopt hot air blowing and cyclone exhaust principle.
- 7-day timers are standard for auto switch on/off to save energy.
- FHD-30 and models above are equipped with the active cleaning door.
- FHD-300 and models below have the magnetic base with magnet;
- FHD-400 and models above include floor stand and slide gate valve.

Options

- Hot air recyclers, blower inlet filters, suction box, shut-off suction box, and material storage tank.
- FHD-15 and models above, platform stand as optional
- FHD-600 and models above, platform stand and safety ladder and guardrail as optional

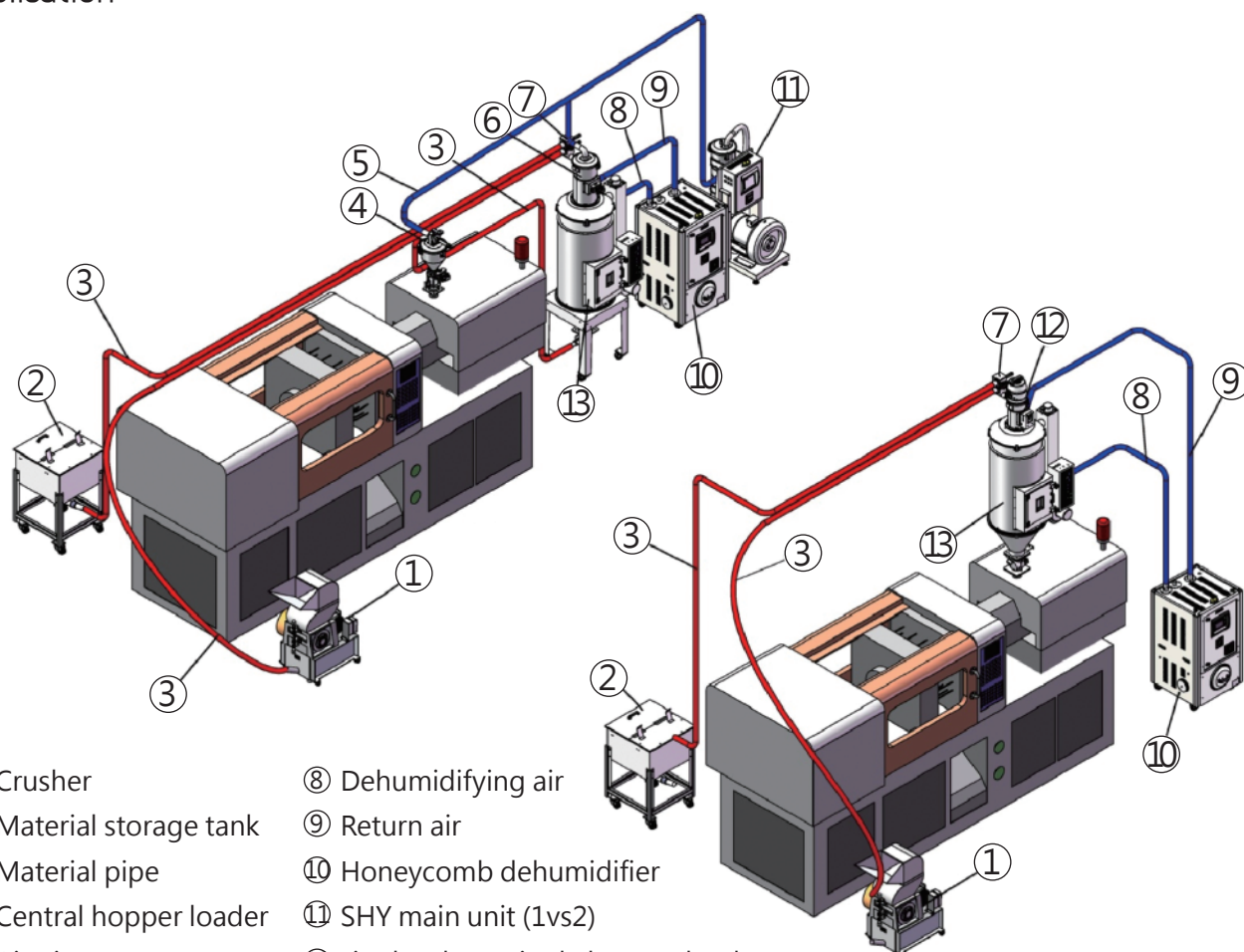


Shut-off Suction Box



FHD-1000 with
safety ladder and guardrail (optional)

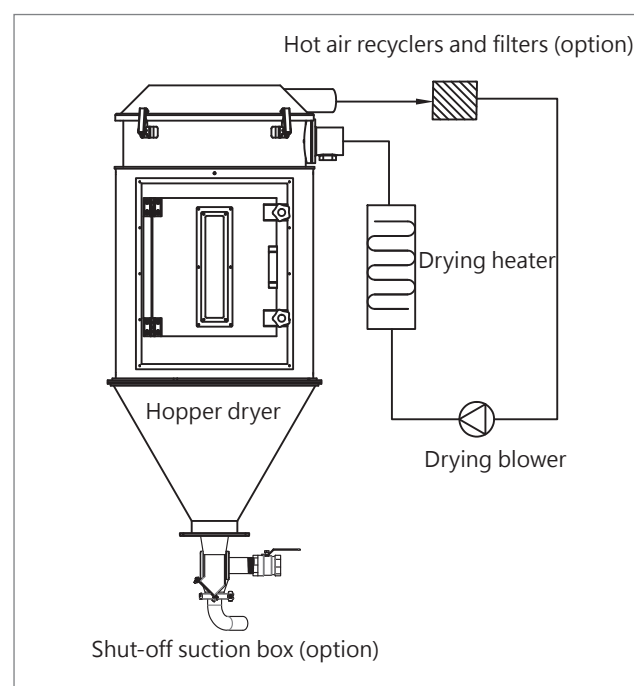
■ Application



- | | |
|-------------------------|-------------------------------------|
| ① Crusher | ⑧ Dehumidifying air |
| ② Material storage tank | ⑨ Return air |
| ③ Material pipe | ⑩ Honeycomb dehumidifier |
| ④ Central hopper loader | ⑪ SHY main unit (1vs2) |
| ⑤ Air pipe | ⑫ single-phase single hopper loader |
| ⑥ Central hopper loader | ⑬ Hopper dryer |
| ⑦ Proportional valve | |

■ Working Principle

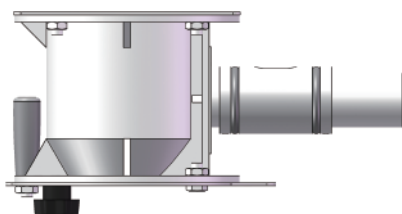
Air blown out of blower became high temperature drying air after through drying heater. Through the special air blowing design, hot air can be equably dispersed in the material storage tank. Hot air recycler is optional so the air enters drying blower after being filtered to form a closed loop circle and save electricity.



Options

Suction Box

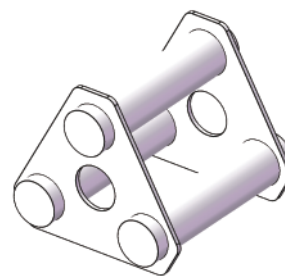
Used with hopper dryer incl. floor stand and hopper loader. It's easier to convey and discharge material from the dryer.



Model	Available Type
SB-1P-40	FHD-15~75
SB-1P-50	FHD-100~300

Magnets

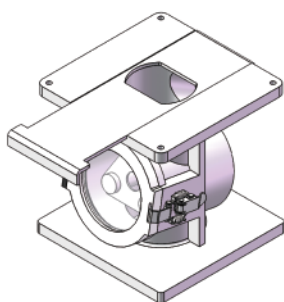
Absorb metallic particles in materials to avoid of entering any other machines.



Model	Available	Aluminum Holder
MR-3	FHD-15~150	(88.5X78X2.3)X2
MR-5	FHD-200~300	(148X80X2.3)X2

Magnetic Base

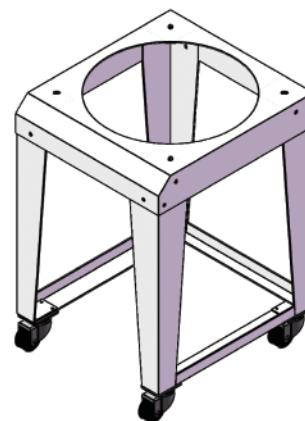
It's suitable for installing on the bottom of hopper dryer and can absorb the metallic particles.



Model	Available Type
MB-140	FHD-15~30
MB-190	FHD-50~150
MB-250	FHD-200~300

Platform Stands

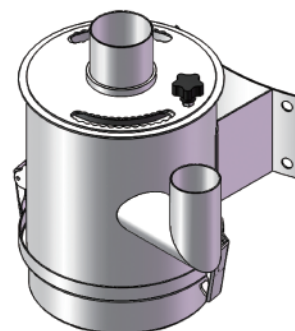
It can hold the hopper dryer and is easier to install, move and remove.



Model	Available Type
PFS-15	FHD-15
PFS-30	FHD-30
PFS-50	FHD-50~75
PFS-100	FHD-100~150
PFS-200	FHD-200~300

Hot Air Recyclers and Filters

It can create the half-closed loop as with hopper dryers and avoid of the temperature increased. In addition, the hot air circle heating is pretty fast and then saving 40% energy.

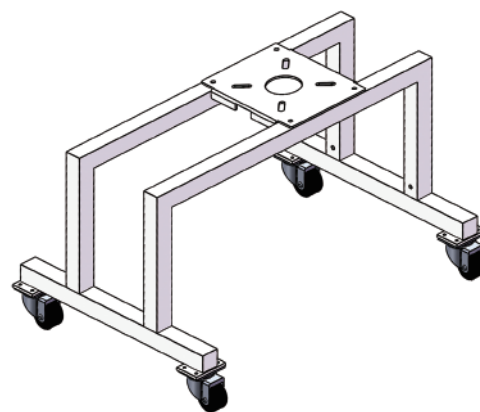


Model	OD (mm)	Outlet Pipe (inch)	Inlet Pipe (inch)	Available Type
HAR-15	150	-	1.5	FHD-15~30
HAR-50	150	-	2	FHD-50~75
HAR-100	190	-	2.5	FHD-100~150
HAR-200	230	-	3	FHD-200~300
HAR-400	230	4	4	FHD-400~500
HAR-600	230	4	4	FHD-600~800
HAR-1000	290	6.5	6.5	FHD-1000~1300
HAR-1600	290	6.5	6.5	FHD-1600~2000

N Type Floor Stands

It can hold the hopper dryer and is easier to install, move and remove.

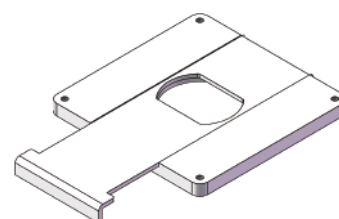
Model	Available Type
NFS-15	FHD-15~30
NFS-50	FHD-50~75
NFS-100	FHD-100~150
NFS-200	FHD-200~300



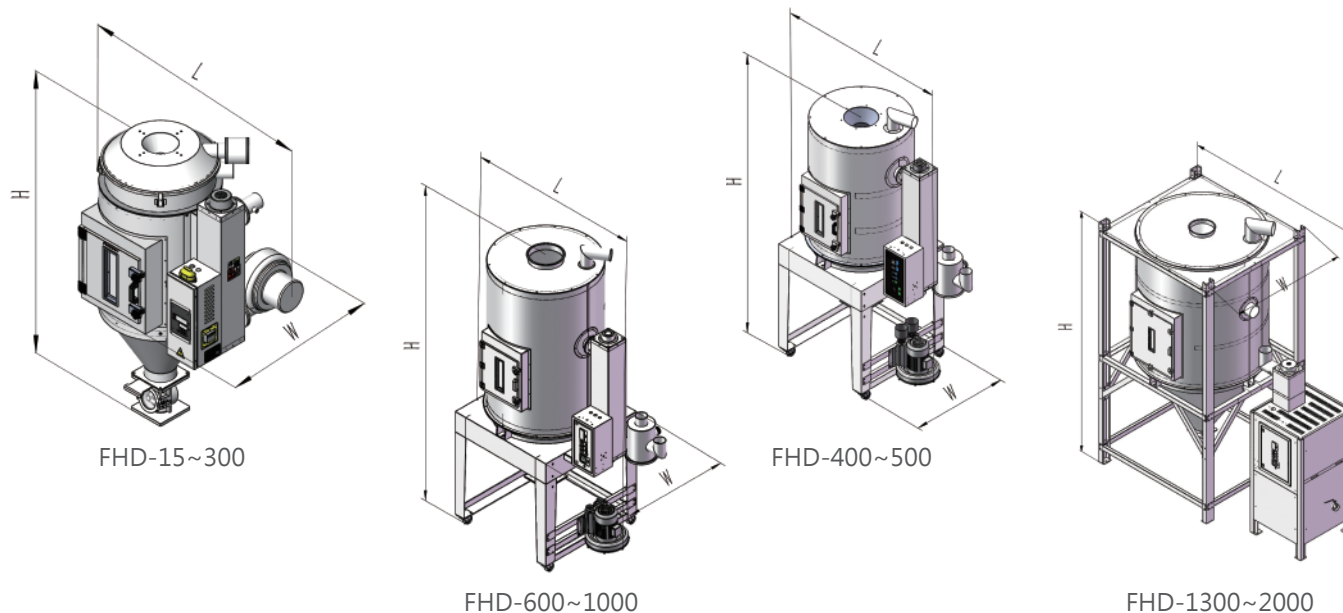
Slide Gate Valve

In order to close or open the hopper base when the hopper dryer is installed on other machines directly.

Model	Available Type
SGV-140	FHD-15~30
SGV-190	FHD-50~150
SGV-250	FHD-200~300



■ Outline Drawings



■ Specifications

Model	FHD	15	30	50	75	100	150	200	300	400	500	600	800	1000	1300	1600	2000
Hopper Capacity	KG	15	30	50	75	100	150	200	300	400	500	600	800	1000	1300	1600	2000
	Ltr	30	50	80	120	160	230	300	450	600	750	900	1200	1500	2000	2500	3000
Heater	kW	1.6	2.7	4	5	6	8	10	13	20	20	20	30	30	40	40	60
Blower	kW	0.14	0.14	0.16	0.16	0.16	0.16	0.32	0.32	2.2	2.2	2.2	5.5	5.5	5.5	5.5	7.5
Drying Temp.	°C	150 (180°C as optional)															
Air Inlet	inch	2		2.5		3				4				5		6	
Air Outlet	inch	1.5		2		2.5				3		4		5		6	
Total Power	kW	1.74	2.84	4.16	5.16	6.16	8.16	10.32	13.32	22.2	22.2	22.2	35.5	35.5	45.5	45.5	67.5
Voltage		3Ø · 220~460VAC · 50/60Hz															

Outline Dimensions

L	mm	590	665	755	755	835	835	970	970	1221	1221	1321	1321	1421	1421	1621	1621
W		420	455	510	510	590	590	710	710	900	900	1000	1000	1200	1200	1400	1400
H		635	820	940	1180	1240	1566	1550	1970	1833	2183	2290	2745	2246	2746	2486	2986
Net Weight	kG	30	45	60	80	100	140	165	195	230	265	280	316	390	445	560	618

Standard : 1. FHD-300 and models below with magnetic base ; FHD-400 and models above with floor stand and slide gate valve
2. 7 days 24 hours timers and full insulation.

Specifications are subject to change without prior notice.

FORMAX®

China
Formax Plastics Automation, Inc.

Dongguan
Xianxi New Industrial Zone, Xianxi Community,
Changan Town, Dongguan, Guangdong, China
Tel. +86-769-3899-9898 Fax. +86-769-8533-3467

Kushan
No.138-20, Hengshan Road, Kunshan, Jiangsu, China
Tel. +86-512-5700-8308 Fax. +86-512-5700-8306

Taiwan
Formax Equipment Inc.

7F-1, No.265, NanKang Road, Luchu Dist.,
Taoyuan City, Taiwan
Tel. +886-3-2121-725 Fax. +886-3-2127-960

www.formax88.com
www.formaxpa.com



All rights reserved.