

FORMAX[®]

HERE BEGINS YOUR ULTIMATE VALUE

FHD- EBM Series

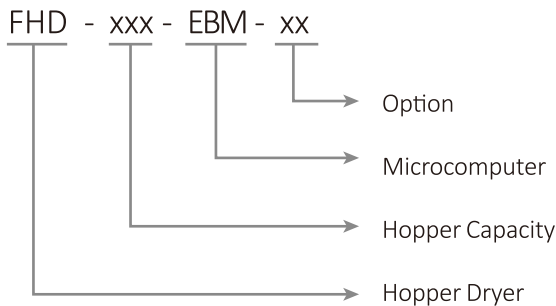
Microcomputer
Hopper Dryer

FHD-50EBM



Please read the brochure carefully before operation.

■ Coding Principle



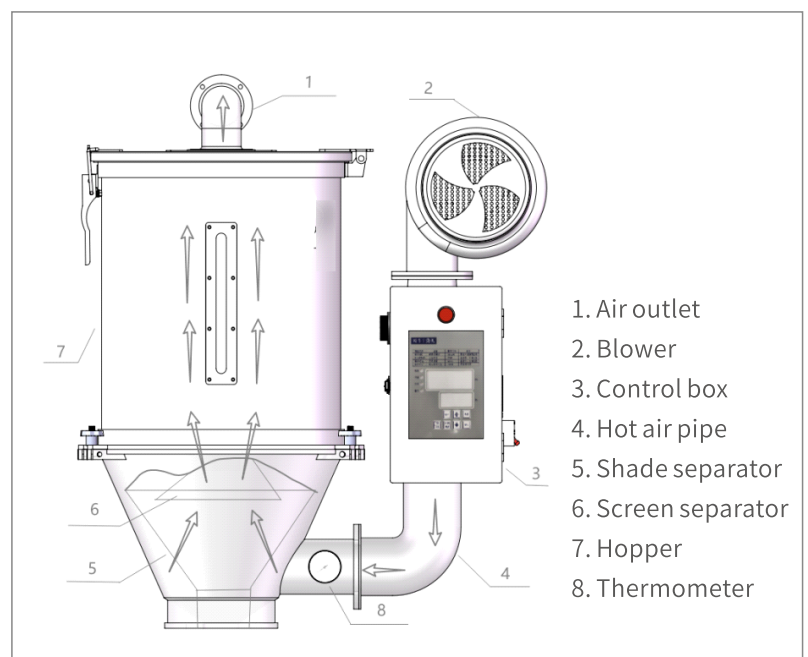
■ Features

- Adopt hot air diffuser to keep plastics dry and temperature stable, thus improve drying efficiency.
- All material contact surfaces are made of stainless steel to eliminate material contamination.
- All models are equipped with external power switch .
- Overheat tripping can automatically cut off power when drying temperature exceeds set deviation value.
- Adopt heat-insulated blower to prolong blower lifespan.
- All models standard equipped with 7-day timer and intermittent operation unction.
- All models adopt microcomputer control and RS485 communica-etion port.
- Max.drying temperature is 150℃ .
- The series of blowers are equipped with overheat protector.

■ Working Principle

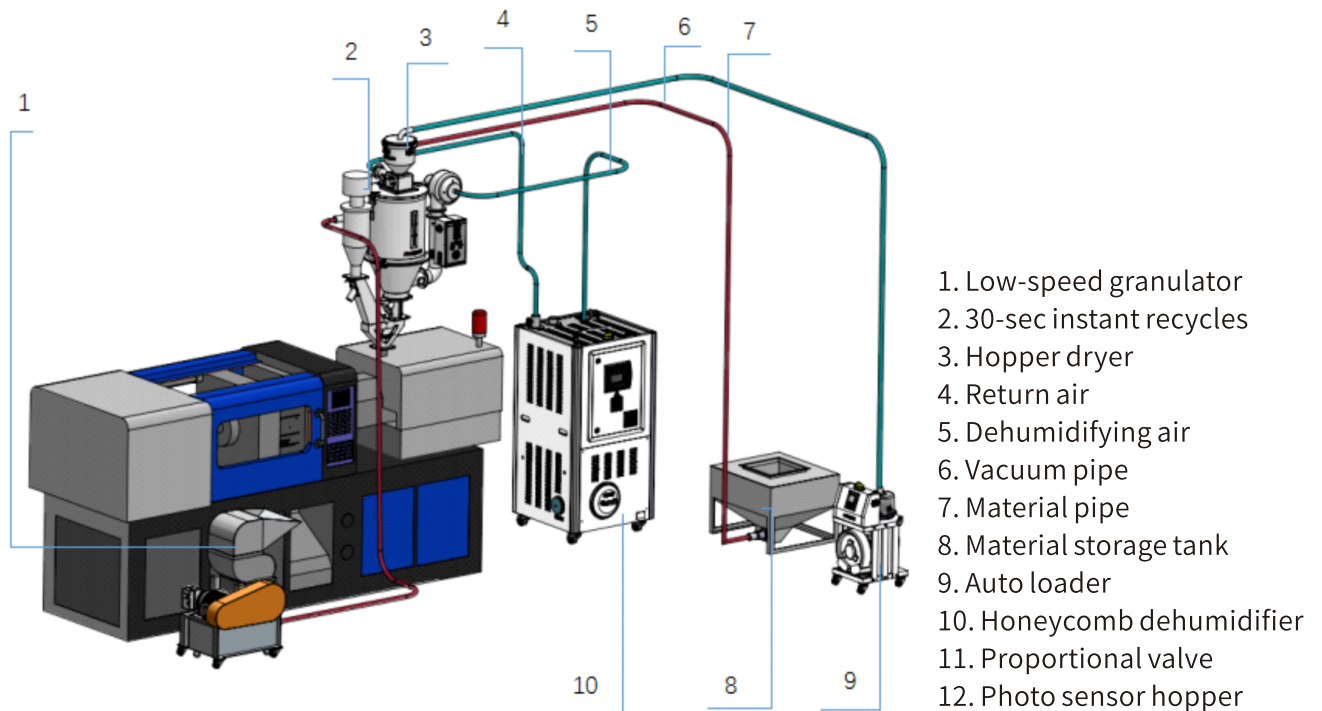
FHD-EBM blows constant high-temperature into the hopper through the blower. And then the original moisture of the raw material in the hopper will be taken away to remove the moisture contained in the raw material.

The wind blown by the blower becomes high-temperature air after being heated by electric heating, and the hot air can be evenly dispersed in the hopper through the screen protector and screen. Optional hot air recovery device, the blown wind is filtered by the return air and then enters the drying fan to form a closed circulation loop to save electricity.

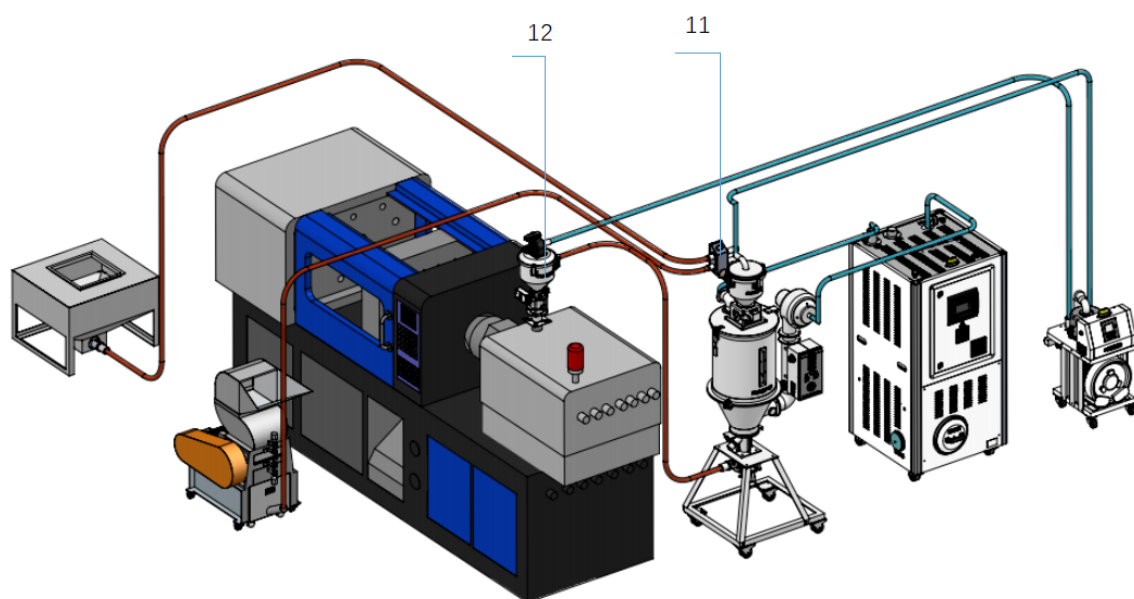


■ Application

FHD-EBM are used for drying hygroscopic plastics, such as PS PP and ABS etc. which can reach the highest drying temperature up to 160°C. There are many accessories, such as hot air recycler, filters to filtrate metal impurities and floor stand as optional.



FHD-EBM Direct mounting



FHD-EBM Floor Stand

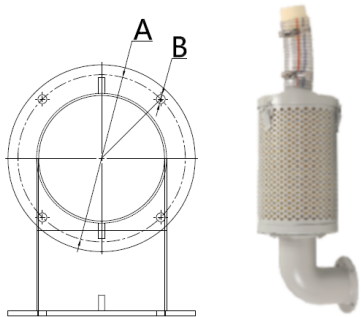
Options

Magnetic Base



Model	Applied to	Mount size
MB-25	FHD-25EBM	Customers dig their own holes
MB-50	FHD-50EB~75EBM	
MB-100	FHD-100EB~150EBM	
MB-200	FHD-200EB~300EBM	
MB-400	FHD-400EB~500EBM	
MB-600	FHD-600EBM	

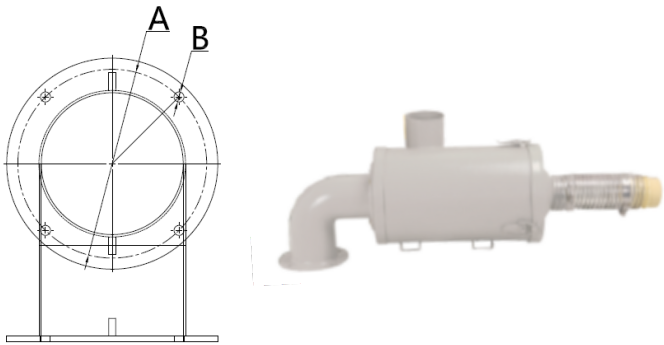
Air Exhaust Filter



It can effectively filter the dust air discharged from the dryer to avoid air contamination, and the efficiency reaches 99%.

Model	Applied to	Mount size	
		A	B
ADC-1	FHD-12EBM~150EBM	φ95	4*φ7.5
ADC-2	FHD-200EBM~500EBM	φ120	4*φ8
ADC-3	FHD-600EBM	φ161	4*φ8.5

Hot Air Recycler



Model	Applied to	Mount size	
		A	B
HAR-1	FHD-12EBM~150EBM	φ95	4*φ7.5
HAR-2	FHD-200EBM~500EBM	φ120	4*φ8
HAR-3	FHD-600EBM	φ161	4*φ8.5

Air regulating disc welding elbow (use with hot air recycling)



Model	Applied to
Small	FHD-12EBM~25EBM
Middle	FHD-50EBM~150EBM
Big	FHD-200EBM~500EBM
Bigger	FHD-600EBM

■ HAR Working Principle

To apply it to the hopper dryer to make the hot air with a semi-closed circulated loop and has features as follows:

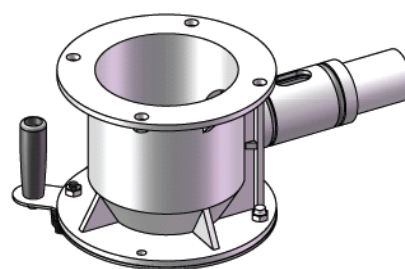
- 1) Hot air recycling and circulating avoids indoor temperature rising up.
- 2) Keep air in factory clean and ensure good product quality.
- 3) The energy consumption can be reduced by fast heating speed of the hot air circulation, which saves 40% of the energy.

Hopper Magnet



Model	Applied to
MR-5	FHD-12EBM
MR-7	FHD-25EBM~75EBM
MR-9	FHD-100EBM~500EBM
MR-11	FHD-600EBM

Material Suction Box/Shut-off suction Box



Model	Applied to
HSB-40	FHD-12EBM~600EBM
HSB-50	FHD-12EBM~600EBM

Notes: 1)Install pneumatic shut off valve (add V at the end of the model code).

2)Change into stainless steel material (add S at the end of the model code).

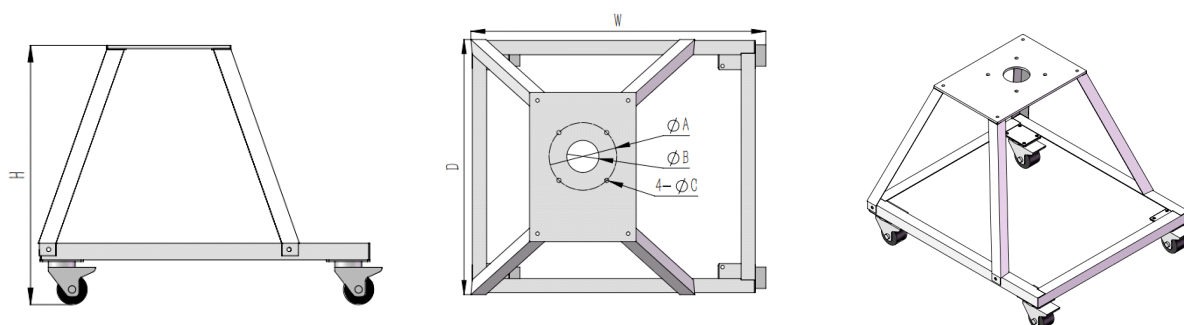
3)Stainless steel polishing (add Pat the end of the model code).

4)S: single tube suction box and D: double tubes suction box

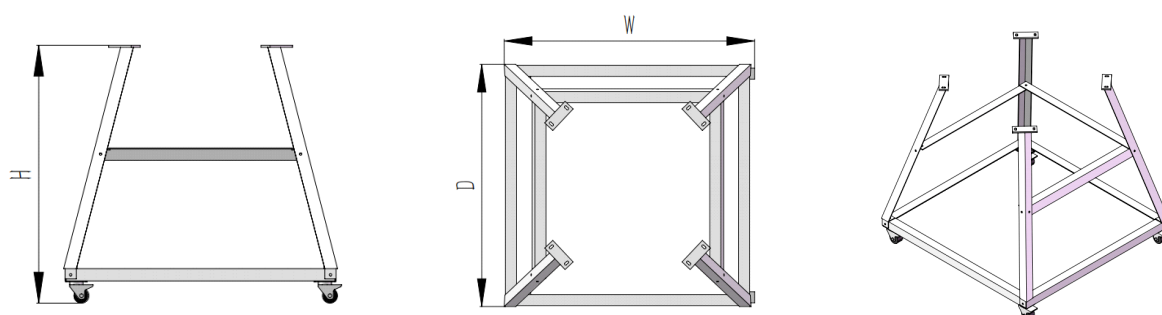
5)It needs to be equipped with the floor stand together.

■ N-type foot stand

The N-type foot stand can move the main body of the drying bucket out of the forming room ,which is suitable for the insufficient height of the factory building and easy to move.The machine can be changed at will .It is suitable for the FHD-EB series hopper dryer.

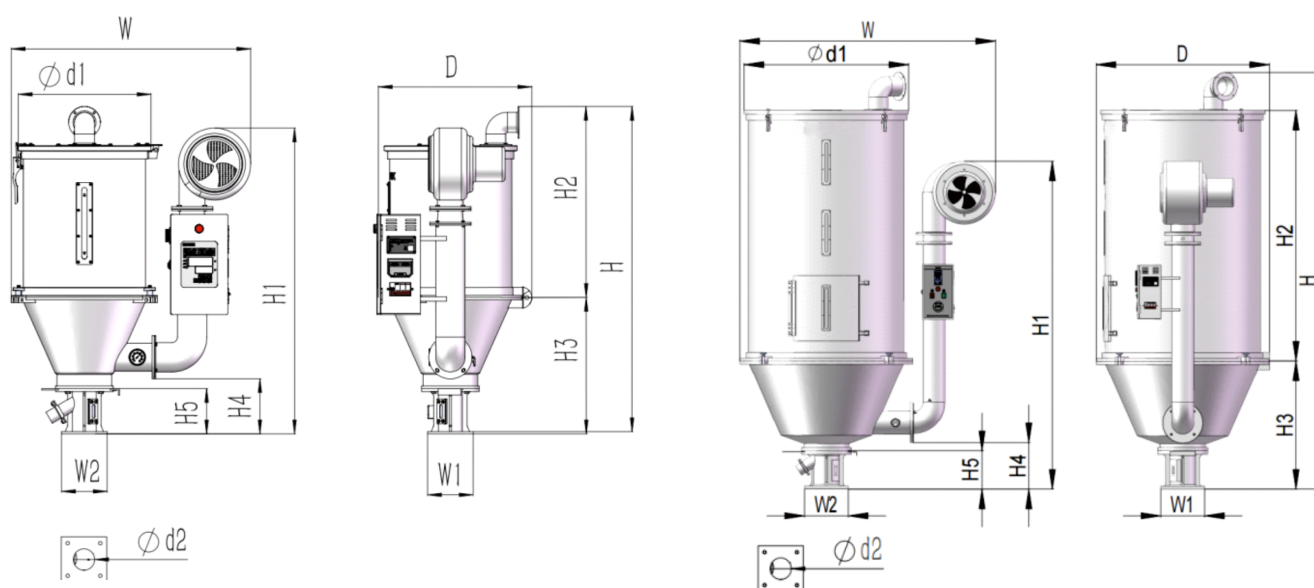


Applicable to FHD12EBM~400EBM



Applicable to FHD500EBM~600EBM

■ Outline Drawings



FHD12EBM~400EBM

FHD500EBM~600EBM

■ Specifications

Model	FHD-	12EBM	25EBM	50EBM	75EBM	100EBM	150EBM	200EBM	300EBM	400EBM	500EBM	600EBM
Loading Capacity (kg)	kg	12	25	50	75	100	150	200	300	400	500	600
Drying Heater	kw	2.3	3.5	5	6	7	9	12	15	18	21	24
Blower	kw	0.135	0.135	0.155	0.155	0.215	0.215	0.35	0.35	0.45	0.45	1.03
Weight	kg	25	38	43	55	70	75	100	120	165	170	240
H	mm	800	1015	1145	1222	1330	1443	1695	1767	1940	2438	2339
H1	mm	767	973	1045	1109	1212	1386	1453	1563	1750	1750	2091
H2	mm	370	460	520	752	786	917	1088	1117	1225	1540	1335
H3	mm	322	410	474	470	536	570	607	650	713	713	817
H4	mm	144	177	191	194	210	225	230	237	252	252	297
H5	mm	107	159	157	157	173	173	192	192	205	205	245
D	mm	394	405	490	539	610	650	748	777	980	979	1106
Ød1	mm	327	385	470	535	602	642	748	814	900	900	1050
Ød2	mm	45	61.5	74	74	81	81	110	110	130	130	130
W	mm	674	725	840	910	983	1031	1227	1267	1366	1366	1597
W1	mm	108	150	158	158	177	177	230	230	280	280	280
W2	mm	108	150	158	158	177	177	230	230	280	280	280

Notes: 1) Above Loading capacity is based on particles of 0.65kg/L(5.5lb/gal) bulk density in diameter of 3-5mm(0.1-0.2 inch) .

2) “*”High-temp. model option up to max.180.

3) The max. temp. of FHD-EBB is 150℃

4) Power supply : 3Ø, 400VAC,50HZ.

Product specifications are subject to change without prior notice.

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