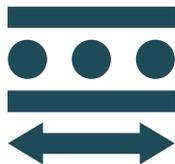


# Summit Systems: Leaders in plastics ancillary equipment & services



DUST REMOVER



## DUST REMOVER

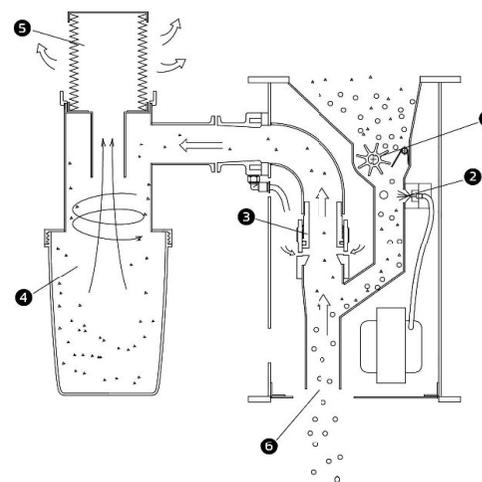
Dust in production of plastic parts can negatively effect productivity and cause serious quality problems on the final part, like for example black spots, flowlines or others.

The new VISMEC Dust Remover eliminates dust from the plastic material by using static electricity and is therefore a must have for production of high tech quality components, like optical lenses or covers, electronic housings, lightning applications or similar transparent or aestetical parts.

### Main features

- closed design to maintain material temperature
- no contact of compressed air with material
- no loss of material – only dust elimination
- adjustable production speed
- sight glass allows good visibility on working conditions
- air discharge cartridge filter
- minimum use of compressed air

## HOW DOES THE DUST REMOVER WORK?



the material is dosed by a little rotary valve (1) into the dust remover. The rotary valve is speed controlled by the operator.

the granules are running through a lonizer (2) which allows the dust to separate flowing through the duct

the dust is removed by venturi effect (3) and collected in an external collection bin (4)  
the air is filtered (5) before going to the ambient

the granules are flowing into the machine through a transparent section with a level sensor, which controls (starts/stops) the dust remover accordign the production throughput.

DR 40



DR 100



DR 300

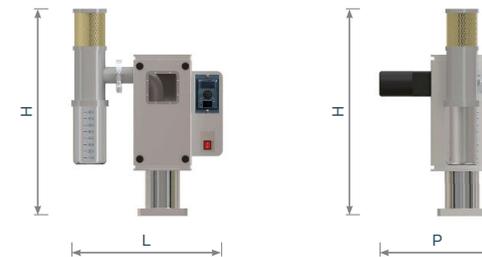


SPECIFICATIONS

MODEL	code	capacity [kg/h]	dust removing rate	power	air consumption [liter/min.]	weight [kg]	regrind
DR 40	03297	40 (max)	80~95 %	1ph 230V 50~60 Hz(20W)	20~30 (4~6 bar)	6	YES
DR 100	03298	100 (max)	80~95 %	1ph 230V 50~60 Hz(20W)	20~30 (4~6 bar)	8	YES
DR 300	04346	300 (max)	80~90 %	1ph 230V 50~60 Hz(20W)	40~50 (3~4 bar)	15	YES
DR 40	04476	40 (max)	80~95 %	1ph 110V 50~60 Hz(20W)	20~30 (4~6 bar)	6	YES
DR 100	04279	100 (max)	80~95 %	1ph 110V 50~60 Hz(20W)	20~30 (4~6 bar)	8	YES
DR 300	04477	300 (max)	80~90 %	1ph 110V 50~60 Hz(20W)	40~50 (3~4 bar)	15	YES

DIMENSIONS TABLE

MODEL	code	L [mm]	P [mm]	H [mm]
DR 40	03297 - 04476	365	285	390
DR 100	03298 - 04279	375	300	465
DR 300	04346 - 04477	345	339	520



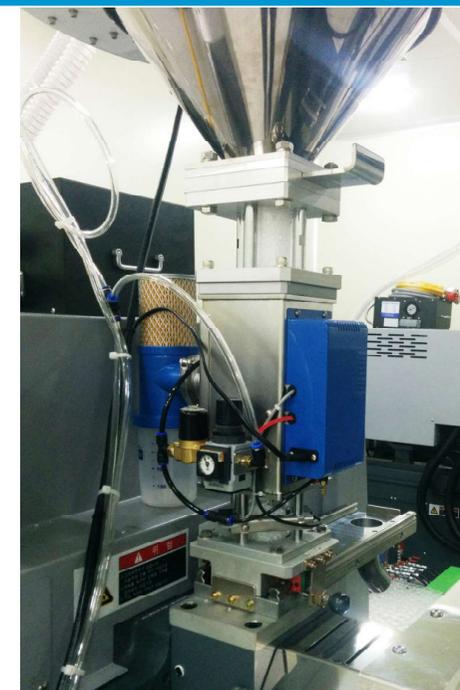
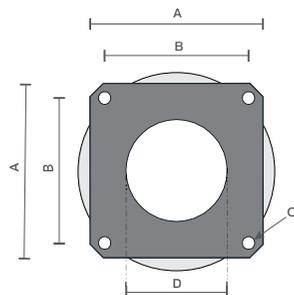
## INSTALLATION

The dust remover should always be installed directly on the processing machine in order to be totally sure that the material is completely dust free.

Any further transport of the material after the dust separator could create dust again.

Some customer prefer to install the dust remover centrally or before the material is packed or stored.

DIMENSIONS						
MODEL		A x A [mm]	B x B [mm]	D [mm]	C [mm]	hopper compatibility
DR 40	top flange	150 x 150	100 x 100	-	4 x M8	MH (I) 5 - 15
	bottom flange	120 x 120	100 x 100	d50	4 x d8,5	-
DR 100	top flange	150 x 150	100 x 100	-	4 x M8	MH (I) 5 - 50
	bottom flange	150 x 150	120 x 120	d70	4 x d8,5	-
DR 300	top flange	150 x 150	100 x 100	-	4 x M8	MH (I) 5 - 50
	bottom flange	150 x 150	120 x 120	d70	4 x d8,5	-





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