



DYDUSTER

Dust collector loader for dosing units

DYDUSTER is the new feeder equipped with an automatic system for separating and removing dust from the granule feeding the feeder, helping prevent dust from entering the extruder. Particularly suitable for production lines that are sensitive to defects in the final product generated by dust such as frost and infusions.

OPERATING PRINCIPLE

The material is conveyed to the feeder via a circuit connected to the vacuum pump; after entry, a cyclonic motion is triggered within the unit. Thanks to the special aerodynamics of the system, the dust is separated and pulled towards the blower filter while the 'clean' granule is discharged into the hopper below. The filter fitted as standard on the blower collects and decants the dust. Once the maximum level has been reached, it can then be removed manually.



MAIN FEATURES

HIGH CLEANING EFFICIENCY

DYduster can separate and remove most of the dust, calculated by weight, present in a batch of material.

AUTOMATIC SYSTEM

DYduster does not require any manual cleaning as the dust is automatically separated and pulled out during the normal loading cycle. The cycle itself is unchanged compared to a normal loader.

CLEANING CYCLE UNCHANGED

The loading cycle does not change compared to a normal loader as the cleaning process by which the dust is transported to the storage station takes place at the same time as the material enters meaning productivity is not affected.

MODULARITY

DYduster is compatible with all storage and material handling options normally available for standard hopper loaders, making the final composition of the entire loader modular in its various areas.

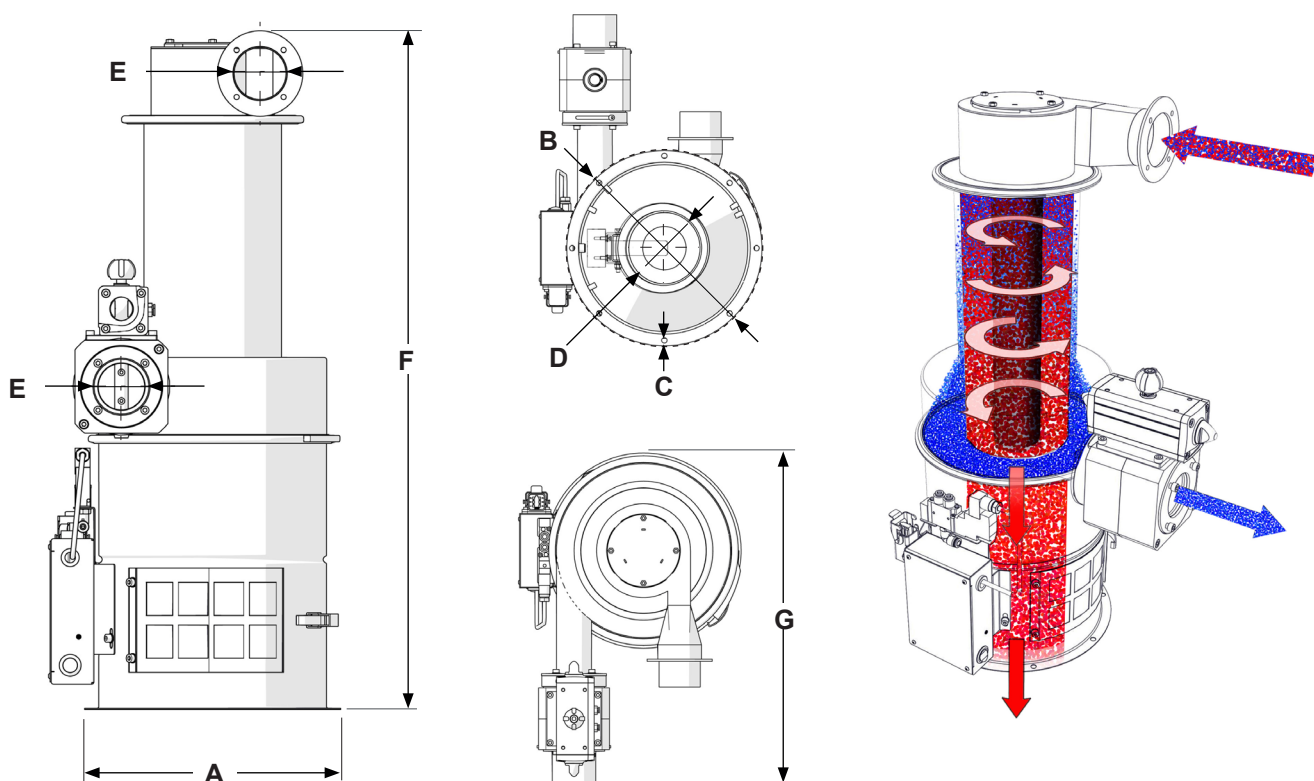
COMPATIBILITY

DYduster is compatible with any hopper loader in the SYNCRO family as well as all storage and material handling options normally available for standard hopper loaders.

DECANTATION VOLUME

The tank, where the powder removed from the granules is decanted and stored, has sufficient volume to last for many cycles before it fills up, so that the operator is not required to clean it frequently.

TECHNICAL DATA



Model		F270			F370			F470		
Nominal volume	(L)	13	19	25	25	37	50	80	100	150
External diameter	Ø A (mm)	270			370			470		
Fixing holes diameter	Ø B (mm)	255			355			455		
Diameter and number of holes	C (mm)	7,5 x 8								
Discharge diameter	Ø D (mm)	100			100-150			150-200		
Flex hose diameter	Ø E (mm)	40-50-60-63,5-70-76								
Total height	F (mm)	1030	1175	1320	1030	1175	1320	1280	1420	1770
Total width	G (mm)	450			500			550		
Weight	(kg)	16,5	17,5	18,5	24,5	26	27,5	40	42	46
Compressed air consumption (6 bar)	(NI/h)	180			360					