



EASYTRAP

Angel hair separator loader

EASYTRAP is the new hopper loader equipped with an automatic system for separating and removing angel hair from the material being conveyed. Particularly suitable for production lines sensitive to defects in the end products generated by angel hair such as gels and infusions.



OPERATING PRINCIPLE

The material is conveyed into the hopper loader, where it passes through a grid trap: the angel hairs remain trapped while the granules are discharged into the hopper. Once the loading is completed, a second automatic cycle begins, during which the trap opens, the free angel hairs are then conveyed to a storage unit where are stored. When the storage tank reaches its maximum level can be opened and cleaned manually.

MAIN FEATURES

HIGH CLEANING EFFICIENCY

EasYtrap can separate and remove most of the angel hairs present in a batch of raw material: cleaning efficiency average is about 70-80% and can go up to 100% of angel hairs removed.

AUTOMATIC SYSTEM

The system does not require any manual cleaning as the angel hairs are automatically separated and conveyed away every loading cycle.

SPECIAL CLEANING CYCLE

The loading cycle is unchanged from a normal hopper loader, as the cleaning cycle by which the angel hairs are conveyed to the storage station is handled by a second dedicated pump. In this way, productivity is not affected.

MODULARITY

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

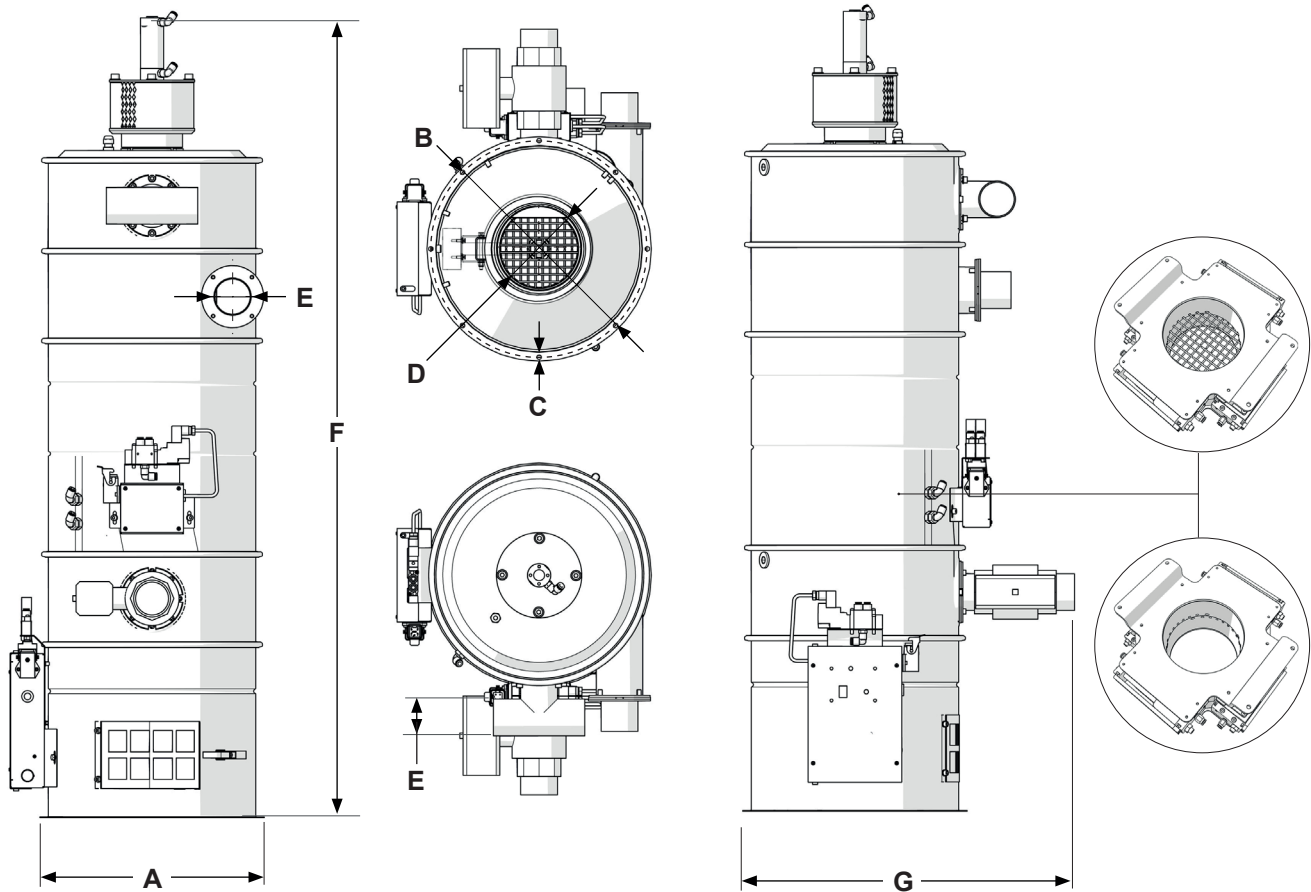
COMPATIBILITY

Designed for the SYncro F370 and F470 family of loaders, EasYtrap is compatible with any hopper loader of the same size, even pre-existing ones, with a quick adaptation procedure to the system already installed.

INDUSTRY 4.0 & IoT

All Syncro machines are ready to be integrated with third party supervisory controls and ERP systems using the latest generation of OPC-UA protocols as standard.

TECHNICAL DATA



Model		F370			F470		
Nominal volume	(L)	25	37	50	80	100	150
External diameter	Ø A (mm)	370			470		
Fixing holes diameter	Ø B (mm)	355			455		
Diameter and number of holes	C (mm)	7,5 x 8					
Discharge diameter	Ø D (mm)	100-150			150-200		
Flex hose diameter	Ø E (mm)	40-50-60-63,5-70-76					
Total height	F (mm)	1342	1487	1632	2180	2320	2670
Total width	G (mm)	550			600		
Weight	(kg)	28,5	42	56,5	33	47	64
Compressed air consumption (6 bar)	(NI/h)	360					