

westrup

PRE- **CLEANING**

EQUIPPED FOR CHANGE



AIR SCREEN

PRE-CLEANERS

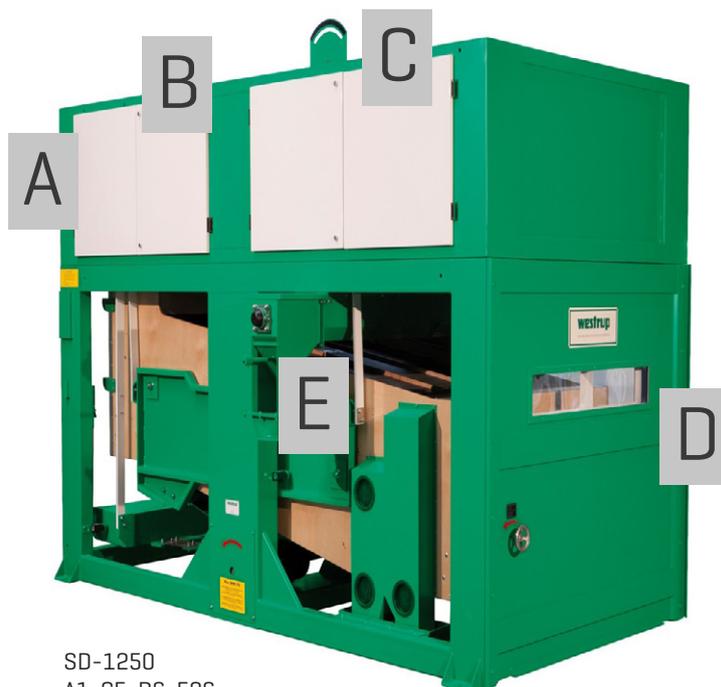
WHAT IS PRE-CLEANING?

PRE-CLEANING: Pre-cleaning is the first process after harvesting and is required to remove all unwanted product from the prime product. By removing the large impurities and dust, you prolong the storage time and reduce the risk of disease in the product.

For wheat, the capacity is set based on a maximum moisture content of 15% and maximum 15% impurities of incoming product. If the moisture content is higher a drying process is required prior to pre-cleaning.

MODULAR SOLUTIONS: Westrup's modular system offers you a choice of different modules. When choosing a modular solution we design the best cleaner for your specific capacity requirements and product. You can choose from the following modules, to create the machine that suits your purposes:

- A: Feeding module
- B: Pre-aspiration unit
- C: Pre- and final aspiration unit
- D: Final aspiration channel
- E: Screen module



SD-1250
A1-C5-D6-E26

YOUR SOLUTION

YOUR MODULAR SOLUTION OPTIONS:

BASIC: The basic unit has a separate pre-aspiration unit and a final aspiration channel, which are not connected. This solutions is well suited for product where dust aspiration is enough.

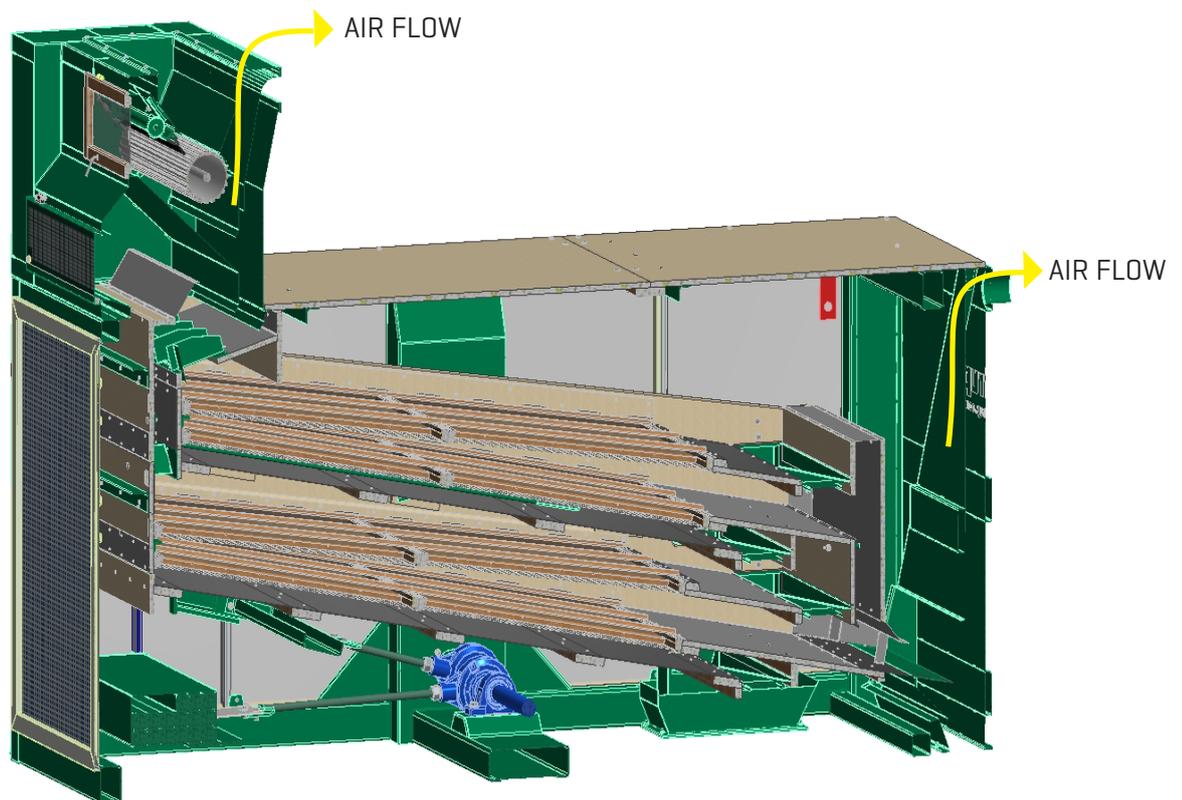
ADVANCED: The advanced unit consists of one common aspiration chamber, which in one end is connected directly to the feeding apparatus to complete pre-aspiration of the incoming product before the product enters into the screen section. In the other end the unit is connected to the air channel for final aspiration. This solution is suited for product, where removal of impurities is important.

CAPACITY*	BASIC	ASPIRATION	ADVANCED	CYCLONE	FAN
50 t/h	SD-1000 A1-B5-D8-E26	1000 m ³ /h	SD-1000 A1-C5-D6-E26	CY-950 up to 3,700 m ³ /h	3 kW
60 t/h	SD-1250 A1-B5-D8-E26	1000 m ³ /h	SD-1250 A1-C5-D6-E26	CY-950 up to 3,700 m ³ /h	3 kW
75 t/h	SD-1500 A1-B5-D8-E26	1000 m ³ /h	SD-1500 A1-C5-D6-E26	CY-1200 up to 5,000 m ³ /h	4 kW
94 t/h	SD-1250 A1-B5-D8-E28	1000 m ³ /h	SD-1250 A1-C5-D6-E28	CY-1400 up to 8,000 m ³ /h	5.5 kW
113 t/h	SD-1500 A1-B5-D8-E28	1000 m ³ /h	SD-1500 A1-C5-D6-E28	CY-1400 up to 8,000 m ³ /h	5.5 kW
131 t/h	SD-1750 A1-B5-D8-E28	1000 m ³ /h	SD-1750 A1-C5-D6-E28	CY-1600 up to 10,500 m ³ /h	7.5 kW
150 t/h	SP-1500 A2-B1-D7-E1	1000 m ³ /h	SP-1500 A2-C2-D10-E1	CY-1850 up to 13,000 m ³ /h	11 kW
175 t/h	SP-1750 A2-B1-D7-E1	1000 m ³ /h	SP-1750 A2-C2-D10-E1	CY-1850 up to 13,000 m ³ /h	11 kW
200 t/h	SP-2000 A2-B1-D7-E1	1000 m ³ /h	SP-2000 A2-C2-D10-E1	2 x CY-1400 up to 19,000 m ³ /h	18.5 kW

*Capacity based on incoming product [wheat]

MODULAR SOLUTION

BASIC



MODEL: SD-A1-B5-D8-E26

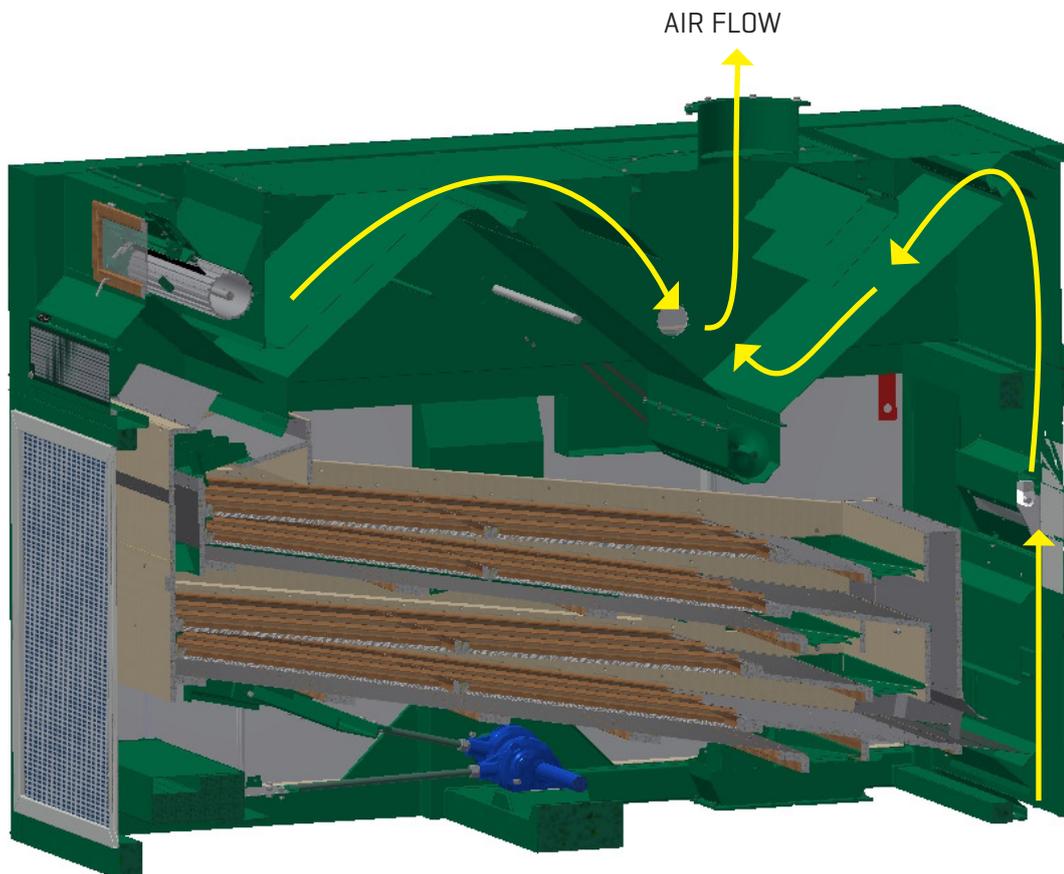
BASIC: The basic modular solution has a pre-aspiration unit and a final aspiration unit - the units are not connected. This model is primarily used to keep the machine dust-free, and it is well suited for product where the removal of dust and large impurities is enough before storing the grain.

You have an option of connecting both the pre-aspiration unit and the final aspiration unit to an external aspiration fan [2 x 500 m³/h].



MODULAR SOLUTION

ADVANCED



MODEL: SD-A1-C5-D6-E26

ADVANCED: The advanced model connects the pre-aspiration unit and final aspiration unit. The unit is with false air valve to regulate the aspiration and two valves for regulation of both the pre-aspiration and final aspiration. All three valves have their own servomotor.

This setup is well suited for processing product where it is important to remove light impurities, light product as well as large impurities before storing.

You have an option of connecting the unit to an external aspiration system [cyclone or filter].

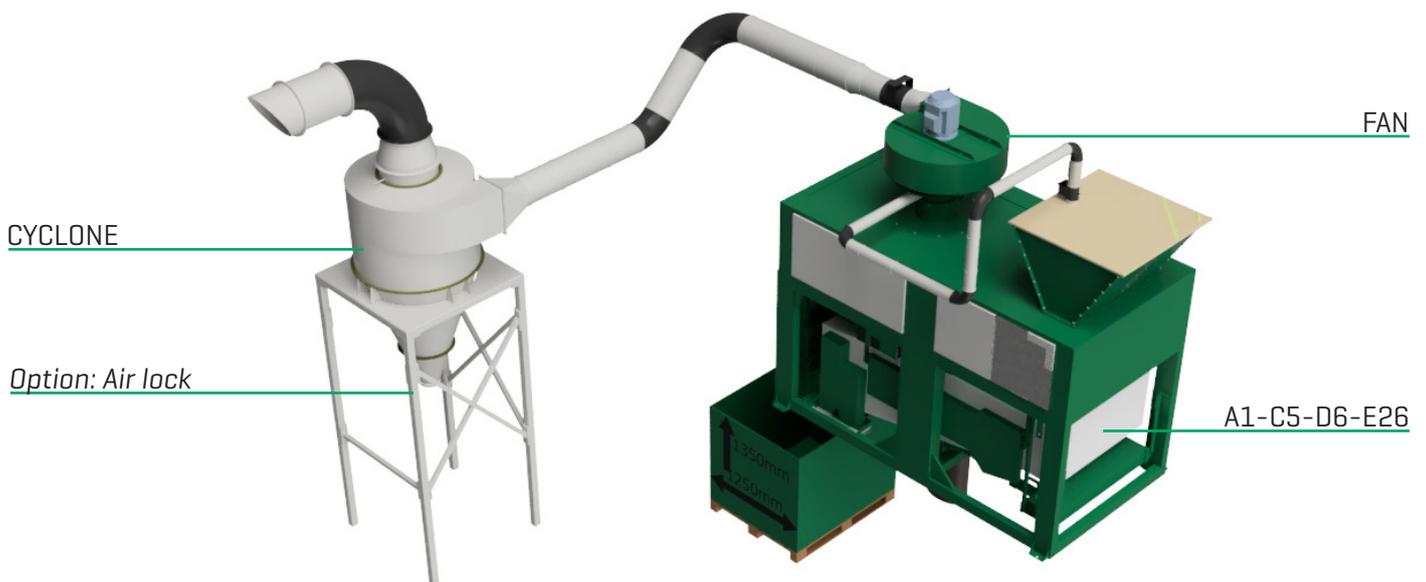


YOUR OPTIONS

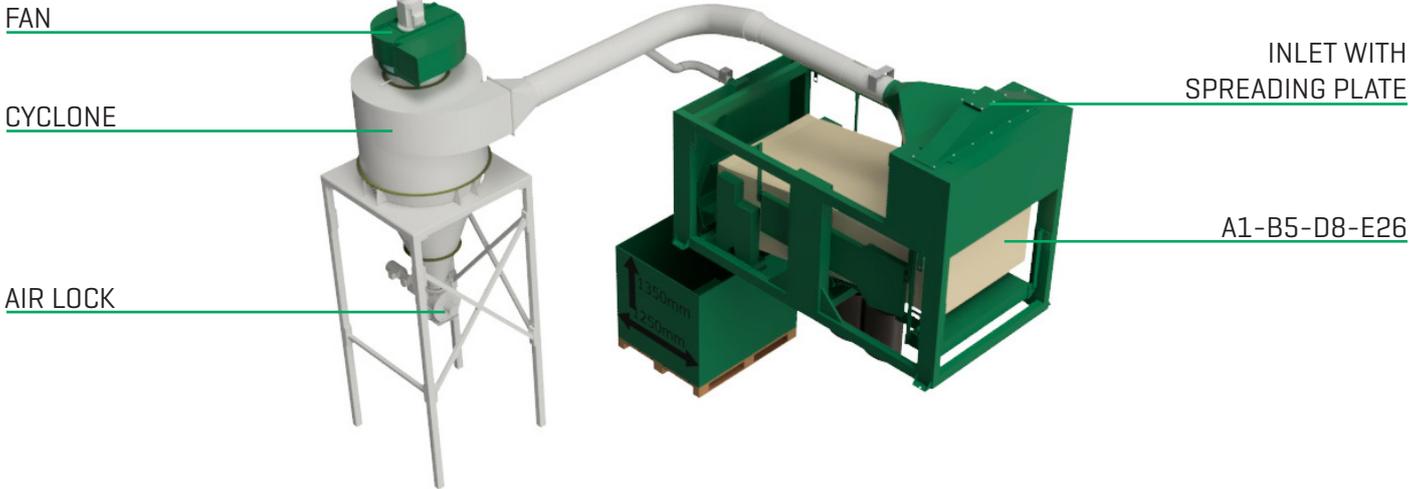
YOUR OPTIONS FOR FAN / CYCLONE:

When deciding on your pre-cleaner, you have different options of machine and ventilation set-ups. Your options are with filter, with fan on cyclone and with fan on machine. Each has its own set of advantages.

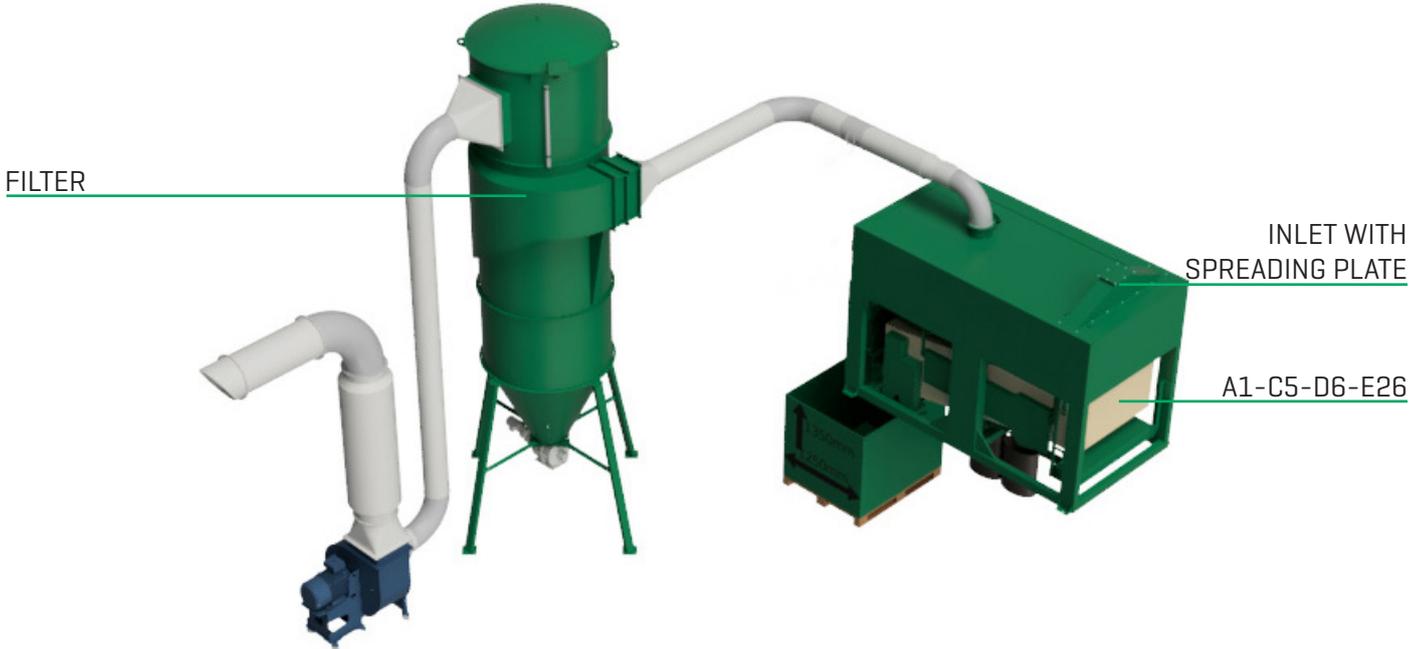
MODEL: WITH FAN ON MACHINE



MODEL: WITH FAN ON CYCLONE



MODEL: WITH FILTER



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