

IN-LINE VACUUM CONVEYING CENTRIFUGAL SIFTERS**PROBLEM**

Conventional sifters are normally provided one for each storage silo, usually sited within the skirt, and installed between the outlet valve and the pneumatic conveying system which it feeds via a rotary valve.

This means that a sifter has to be provided for

**REQUIREMENTS**

- To check sift (or police) product as it is conveyed from storage to process to remove any agglomerated lumps (either by the gentle 'milling' action of the sifter itself or, failing that, by discarding them as oversize) or extraneous material.
- To reduce process capital expenditure and running costs.
- To locate the sifter within the process area.

SOLUTION

A KEK Centrifugal Sifter with its casing, inspection hatches and seals all designed to withstand the differential pressure created by the internal vacuum of the conveying line of which it becomes an integral part.

BENEFITS

- One sifter can serve several silos or other supply points.
- Sifter can be located at any position in the conveying line for easy inspection and as close as required to the next processing application.
- Eliminates the need to break the conveying process, filter the air and the cost of a second conveying system to carry product from the sifter.
- Lower running and maintenance of one conveying system, not two.
 - Saves space.
 - Reduces, environmental problems.

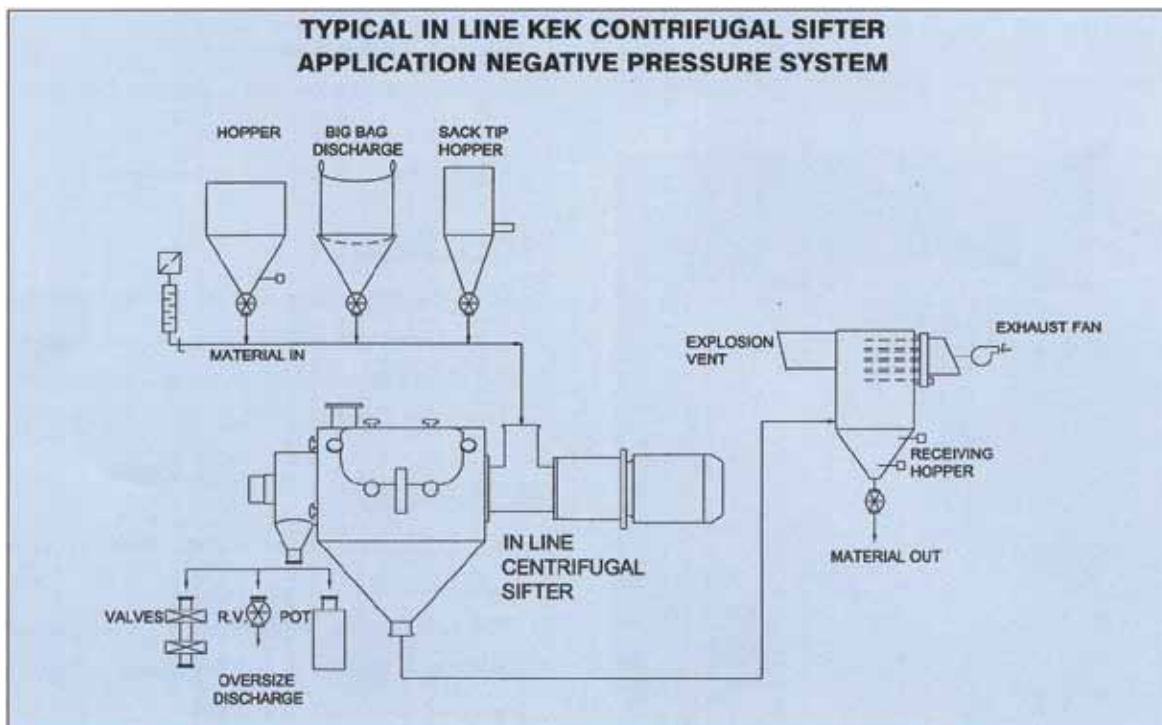


REFERENCES

- Reckitt and Colman .
- Elkes Biscuits
- Peter Black Heathcare
- Geest .

APPLICATIONS

- Policing of flour from storage silos en route to the process area.
- Scalping of oversize from an in-line milling system.



TEST REPORTS

See test report numbers

0015135

0015076

0015095

0015171

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