

t-max

CYCLONE DUST COLLECTORS

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CYCLON DUST COLLECTORS (ZYKLON) TTZ50

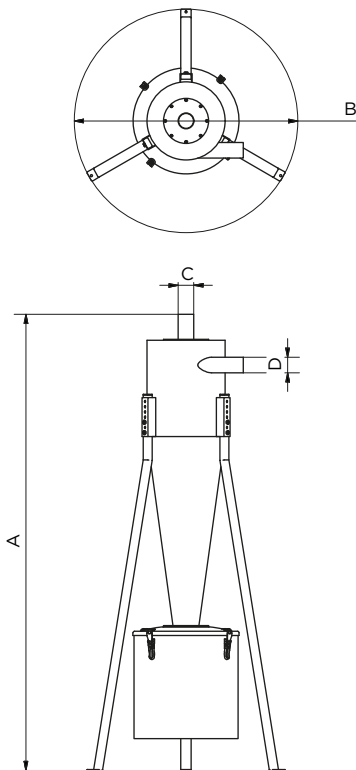
TTZ-50

T-Max/TEPRO with its experience in the designing and installation of central feeding systems over 20 years, has started a solution-oriented study to extend the service life of vacuum, filter, and fan lines by the users' feedback.



TTZ-50

- » Raw material loading in the plastic compounding process has evolved in time from manual to fully automatic systems by central feeding.
- » Standard investment units like the main machinery in today's almost all of new set up facilities have a general problem in the vacuum lines and loading systems due to dust.
- » There are too many various reasons for dust pollution. Dust and particulates may be caused by movement inland or sea transport, it may occur while internal convey from warehouse to machines site too
- » It's can be due to the compound structure of the raw material (high calcite and titanium additives) or may occur while the crushing process of the raw materials or with environmental causes.



- » The biggest detrimental effect of dust and similar particle pollution while in loading may damage the elements that form the system.
- » The foremost of these is the fan filters. irregular maintenances and non-replacement filters may lead the major damages to the centerpiece of the system as fan.
- » These failures lead to heavy stress for the processes and maybe running losses due to a total down of the system with the raw material cut-off from hours to days.
- » To avoid potential risks, the system needs routine maintenances and new filter or spare part replacements with high cost and time losses.

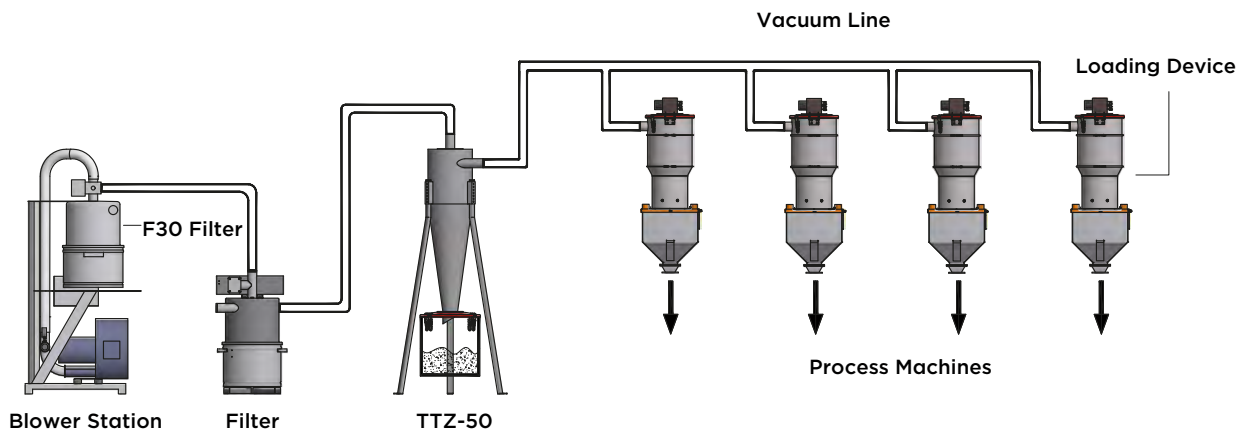
TECHNICAL FEATURES

A	B	C	D
1574 mm	Ø860 mm	Ø45 mm	Ø45 mm
1574 mm	Ø860 mm	Ø60 mm	Ø60 mm

ADVANTAGES

- » Reduces dust pollution by collecting up to 99% of dust
- » Extends to the service life of filters by 10 times with the mechanic separation unit.
- » Extends to filter treat and replacement period.
- » Increases vacuum efficiency.
- » Reduces electricity consumption least 30%
- » Purifies internal flap and keeps clean against dust and particle pollution.
- » Saves time and budget by the minimum maintenance costs.

T-Max/TEPRO proudly presents one of the results for extending the service life of the vacuum, filter, and fan lines by its experience and solution-oriented studies from users' feedback in the designing and installation of central feeding systems over 20 years. First prototype was designed in 2011 and the same year was launched as a result of all these long-term experiments. The unit called "TTZ-50" has reduced the mentioned problems and maintenance costs and extended the Fan Filter service life. Besides, frequent blade failures in the fan have been eliminated and it has become an essential part of central feeding systems. Due to its cyclonic design, the "TTZ-50" unit enables the collection of dust and particles smaller than the granule size filtered from the raw material with the vacuum.



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