

*Sarala*



SUBURBAN INDUSTRIAL WORKS PVT. LTD.

# SARALA CYCLONE SEPERATORS

COMPACT EFFICIENT DUST COLLECTORS

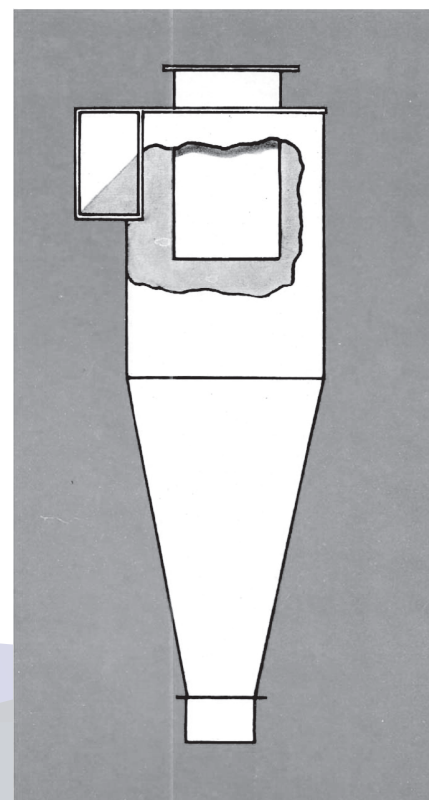
# SARALA CYCLONE SEPARATORS



Cyclone collectors are simple, reliable, efficient and compact unit for the collection of particulate matter from manufacturing processes, and other duct generating sources. Dust-laden air enters tangentially into the upper part of the cyclone which separates particulate matter from the air/gas stream by transforming the velocity of an inlet stream to a descending outer vortex and ascending inner vortex, both confined within the upper cylinder and lower cone of the cyclone.

The rapidly rotating descending vortex holds the heavier particulate against the walls of the cyclone by centrifugal force and throws it out through the bottom cone of the cyclone. The ascending inner vortex of cleaned air/gas leaves the cyclone through a central pipe at the top of the cyclone.

Cyclones can be used on dry dust but is not suitable for sticky materials, fumes, or dust with high proportions of very fine particles. SARALA Cyclone sizes cover a range from 2000m<sup>3</sup> / HR to 50000m<sup>3</sup> / HR. When the material of construction is suitably selected, these Cyclone Collectors are able to withstand rugged service conditions including (moderately) heavy loadings of abrasive dust and high temperature. SARALA can also offer a large diameter Cyclone Collectors which operate on the same principle as high efficiency collectors. These cyclones are suitable for collection of chips, husk, etc. It is available in standard sizes.



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