

## Abstract

A cyclone type cylindrical body 10 having a part whose diameter decreases in the direction toward a lower opening from an upper opening is used, and liquid is made fall in the inside of the cylindrical body 10 while swirling and thereby accelerated to form a vortex flow. Fine particles are charged into the center of the vortex flow so as to be wrapped by the vortex flow, and thereby the both are mixed. By this characteristic, the fine particles do not contact with an inner wall of the cylindrical body, and therefore clogging does not occur in the cylindrical body. Moreover, the pressure around the center of the vortex flow becomes negative, and the fine particles are aspirated. Therefore, dust is hardly generated. Thus, a mixing apparatus of a small size that can slurry fine particles without much maintenance cost can be provided.