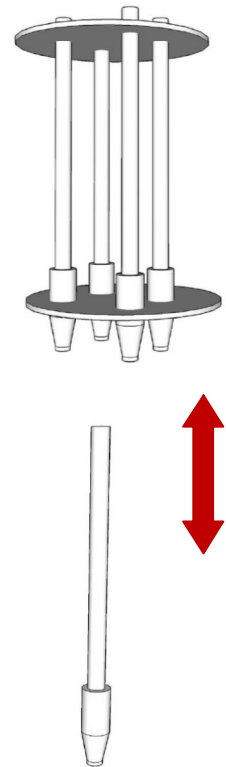
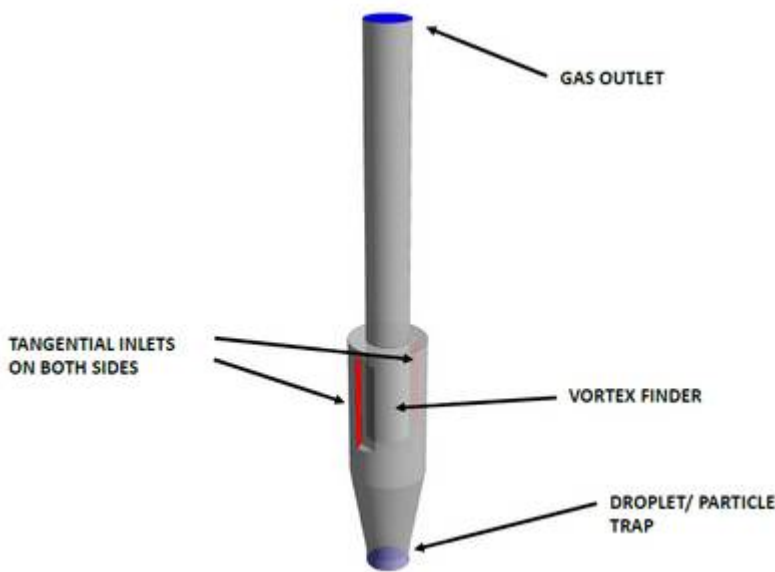


Revolutionary Separation

K-SEP® Removable Multi-Cyclones

Developed as a cost effective alternative to traditional, welded-for-life designs, our KMCE units can be easily installed and removed for maintenance, inspection or cleaning



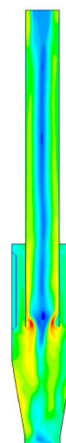
Technology

The KMCE multi-cyclone features twin, opposing inlet ports to boost the capacity of the cyclone and offer improved vortex stability. This provides a high degree of separation of liquid droplets and solid particles even at high operating pressures. Tubes are positioned vertically within a separator vessel, between two seal plates.

Our unique quick-install design means that the KMCE tubes can be fitted later in the manufacturing phase, either in the workshop or at site. They are easily removed for inspection, cleaning or replacement. They can also be welded-in if preferred.

Multi-cyclones are ideal for applications where gas flow is relatively constant, but contamination maybe either liquids and/or solids, such as may occur in long pipelines. Also they are used widely as pre-separators before cartridge filter-coalescers.

The KMCE multi-cyclone is very efficient, usually removing over 99% of contaminants above particle sizes of 8-10 microns at a pressure drop around 0.5% of the inlet pressure at design conditions.



CFD Study