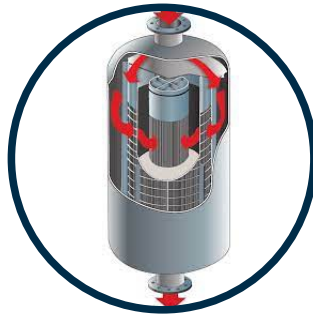
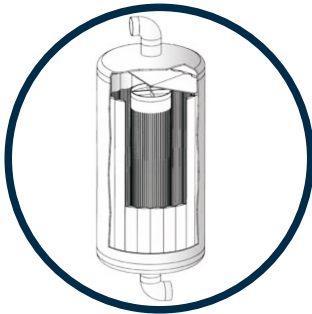


CENTER PIPE

Customized



OPERATING PRINCIPLE

The center pipe/inner screen is the central screening components in radial flow systems. Its general shape is a cylinder, where the outer surface delimits the inner side of the catalyst bed. It is usually installed inside vertical reactors and collects or distributes the flow.

PROCESS AND FEATURES

The connecting nozzle to the center pipe/inner screen is either the upper or the lower one. The flow direction can be inwards or outwards. Normally, the center pipe can be installed through the manhole in the top of the vessel. It stands on a support that holds it in position. Generally, the center pipe is on the high temperature or high concentration side of the process flow as there is less stress on the vessel shell when the high temperature and high concentration are in the middle. In addition, there is more room for thermal expansion along the vessel axis.

Application: Center Pipes find essential utility across various industrial domains, including catalytic reforming, styrene production, synthetic ammonia synthesis, propane dehydrogenation, and numerous other process units where radial flow reactors are employed.