



SprayMax Feed Nozzle

Indigenously developed feed nozzles for FCCU

Description:

Fluidized Catalytic Cracking Unit (FCCU) feed injection nozzles play a critical role of atomizing the dense and viscous FCC feed into fine droplets and spraying them over a hot stream of catalyst in the riser where catalytic cracking of large hydrocarbon molecules occurs.

FCC feed injection nozzles are proprietary devices and supplied by only a few Global Technology Licensors; which are not only costly but also have long delivery times. To reduce this dependence on foreign licensors and to achieve higher operational reliability, HPGRDC has developed cost-effective and efficient SprayMax FCC feed injection nozzles to promote the 'Make in India' initiative of Government of India.

Advantages:

One tenth the cost of commercially available nozzles. Design-to-Delivery period is less than three months. Excellent erosion resistance. Installed with minimum hardware changes and no modification in the riser.

Applications:

FCCU of Petroleum or Petrochemical Refineries