



AIR ATOMIZING NOZZLE

Siddharth air atomizing nozzle is a unique two-substance nozzle used where very large and high viscous quantities of liquid and pastes have to be turned to mists or fine atomized. Highly atomized sprays can be obtained at comparatively low flow rates. Liquids can be fed under principles of gravity, suction or by pressure. These nozzles provide an independent passage for liquid and air whose flow can also be controlled allowing accurate metering.

The mixing in these nozzles takes place in 2 different ways.

1. Internal mixing. 2. External mixing.

Internal mixing is used where low viscous fluids absent from impurities need to be sprayed. External mixing is preferred for atomizing viscous fluids thereby avoiding clogging. All individual components are available as spare parts.

i.e. : nozzle bodies, liquid inserts, Air caps, needle and needle related spares etc. The precise manufacturing of replacement parts ensures interchangeability and retains the desired performances.

End connections: End connections for Air, Liquid and Auto shut off can be provided at 180° apart from each other or all 3 ports in line whichever requested. Standard connections for Air and Liquid are 1/4" BSP (F) and 1/8" BSP (F).for Auto shut off

Material of construction is usually S.S.316 , but can also be made available in S.S.304, Brass, P.V.C., P.T.F.E. etc. And all wetted parts used are S.S.316, P.T.F.E, Viton or any food grade material



CONVENTIONAL FULL CONE AIR ATOMIZING

This 2 fluid nozzle is used to atomize liquids with the help of air or steam. These nozzles are made available with different spray set ups, which can be altered by just changing the air cap or liquid nozzle. Different desired flow rates and spray coverage can be achieved by interchanging these. Depending on the type of liquid the mixing set up is selected.



FLAT FAN AIR ATOMIZING WITH LIQUID REGULATOR

Internal mixing is used where low viscous fluids absent from impurities need to be sprayed. This is the conventional nozzle design with a modified set of needle assembly. This needle ensures that the needle orifice does not clog. The adjusting screw provided with the needle controls the liquid flow. The entire assembly is operated manually.