

Pneumatic atomizing nozzles

Series 150

Twin-fluid nozzles of the 150 series generate a particularly uniform full-cone jet with a spray angle of up to 30°. The nozzles feature external mixing, i.e. the gas and liquid are mixed outside the nozzle body. External mixing is particularly suitable for atomizing viscous media or media that have a tendency to crystallize.

The nozzle has optimum emergency operation characteristics in the event of failure of the atomizing gas and can also be operated with low liquid pressures. Steam can also be used as the atomizing medium. However, it is necessary to take into account the specific boundary conditions in this case. Please ask us for further information.

The droplet size is determined mainly by the gas-water ratio. The higher the gas share, the smaller the droplets.

Twin-fluid nozzles of the 150 series are available in all steel grades, chromium-nickel alloys and plastics (PVC, PVDF, PTFE).



The 150 series is available in the material stainless steel with various connections.

Properties:



Spray angle
20°–30°



Steam pressure
7.0–50.0 bar g



Gas pressure
1.0–10.0 bar g



Flow rate (water with steam)
0.65–140.9 l/min



Flow rate (water with gas)
0.15–140.9 l/min



Turn-down ratio
1 : 5

