



New FloMax® X Series Air Atomizing Nozzles



Outperforms all other small capacity air atomizing nozzles:

Better atomization, smaller drops, operates at lower air pressures.

Benefits

- New patent-pending, multi-stage, cross-hole nozzle design provides superior atomization by shearing the liquid prior to mixing with the high velocity air stream. Better atomization means smaller drops, shorter dwell times and more complete reactions
- Operating at lower air pressures lowers air consumption, extends compressor life and may allow the use of a smaller compressor. FloMax X Series nozzles use less air than other air atomizing nozzles
- Narrow 20° spray is ideal for applications where tight control of drop size and spray precision is critical. Multiple nozzles can be configured on a lance in a duct or vessel to deliver very precise, targeted sprays to critical processes. FloMax X Series nozzles provide a narrower Relative Span Factor (RSF)* than other air atomizing nozzles at all pressures
- Larger operating range than conventional air atomizing nozzles yields more flexibility. Higher turndown is possible without choking off air or liquid supplies
- Comprehensive drop size data to assist with nozzle selection and compressor sizing: D_{32} , D_{Max} and $D_{V0.9}$

*Relative Span Factor (RSF) is a single number that is indicative of the uniformity of the drop size distribution

Specifications

Flow rate ranges:

FMX015: 0.03 to 0.25 gpm (0.11 to 0.94 l/min)

FMX030: 0.05 to 0.5 gpm (0.19 to 1.89 l/min)

FMX090: 0.5 to 1.5 gpm (1.89 to 5.67 l/min)

Patent-pending design

High turndown ratio

Large free passage

Materials: 310 stainless steel and 316 stainless steel.
Other materials available upon request

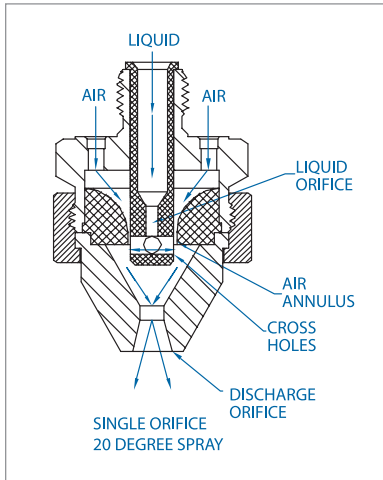
Standard and custom spray lances available in a wide range of materials and configurations

FloMax® X Series Air Atomizing Nozzles



Description

FloMax X Series Air Atomizing Nozzles



Data sheets and performance information for the FMX015, FMX030 and FMX090 can be found at www.spray.com/gasconditioning or requested from your Spraying Systems Co. sales engineer.

Performance data, based on both constant air pressure and constant air volume, includes:

D₃₂: Sauter Mean Diameter (SMD). This expresses the fineness of a spray in terms of the surface area produced by the spray. The SMD is the diameter of a drop having the same volume to surface area ratio as the total volume of all the drops to the total surface area of all the drops.

D_{Max}: This is the maximum drop size by volume present in the spray. This diameter is also used when complete evaporation of the spray is required.

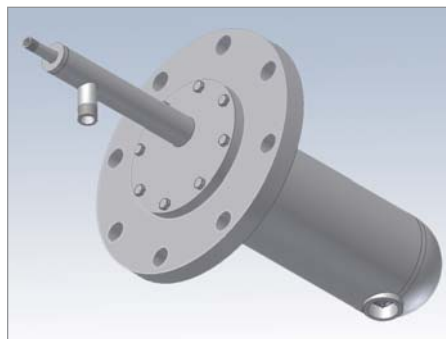
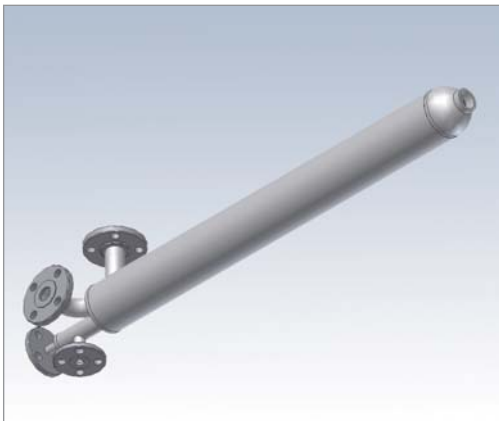
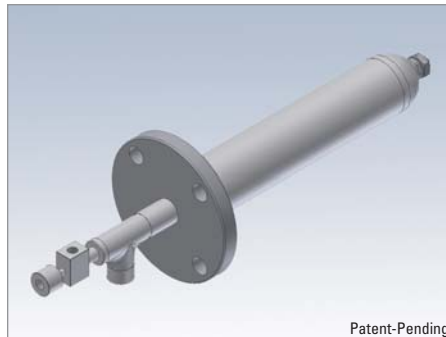
D_{0.9}: This is the value where 90% of the total volume of liquid sprayed is made up of drops with diameters smaller or equal to this value.

Ordering Information

FMX015	—	20	—	316SS
Model		Spray		Material
Number		Angle		

Full line of spray lances available for FloMax X Series nozzles

In addition to our FloMax X Series nozzles, we design and manufacture a wide variety of standard and custom spray lances. Options include purge, water-jacketed, insulated, retractable, flexible, recirculation, multiple nozzle and long kiln lances.



Spraying Systems Co.®
Experts in Spray Technology

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