

FLOMAX® ECO NOZZLES

HIGH-EFFICIENCY AIR ATOMIZING
NOZZLES FOR OPTIMIZED GAS COOLING



Spraying Systems Co.®

Experts in Spray Technology



MORE EFFICIENT GAS COOLING TO LIMIT YOUR COSTS AND MEET SUSTAINABILITY GOALS

Gas cooling is a challenging stage in many industrial and chemical processes. It also plays a vital role in meeting the sustainability goals of your organisation. With the patented design of the FloMax® ECO we have created a hollow-cone air atomizing nozzle that's unparalleled in terms of efficiency. The unique multi-stage atomization process delivers finer droplets and needs 20% less compressed air than the previous generation of FloMax® nozzles. The result will transform the efficiency of your gas cooling process and significantly decrease your impact on the environment.

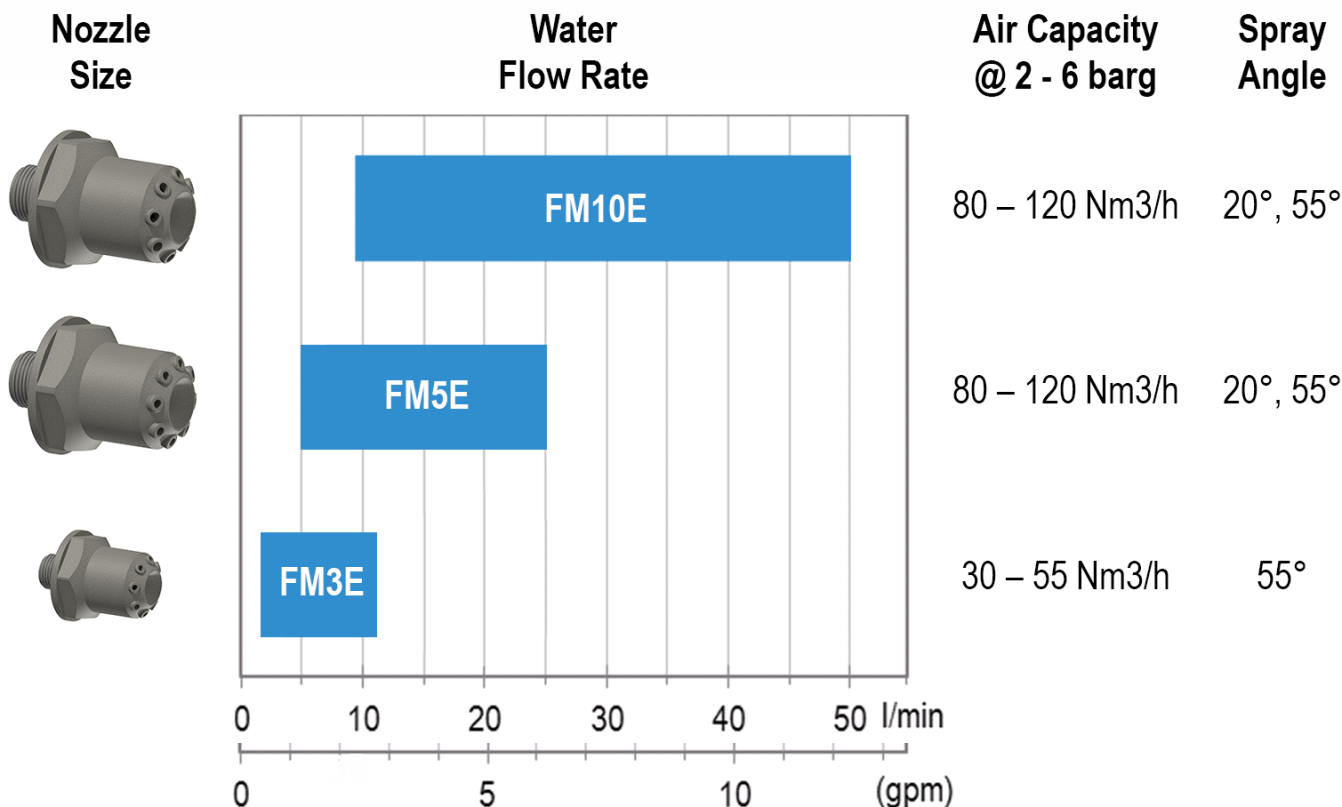
ADVANTAGES

- More efficient use of compressed air
- Finer droplets for better cooling
- Less impact on the environment
- Compact size
- Same mounting connection as standard FloMax®

TECHNICAL DATA

- Water Capacity: 2 – 50 l/min (0.5 – 13.2 gpm)
- Spray Pattern: Hollow cone
- Wide Spray Angle: 20° - 55°
- Small Droplet Size: 5 – 250 µm
- One piece design

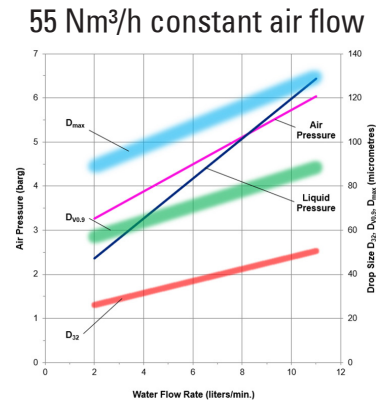
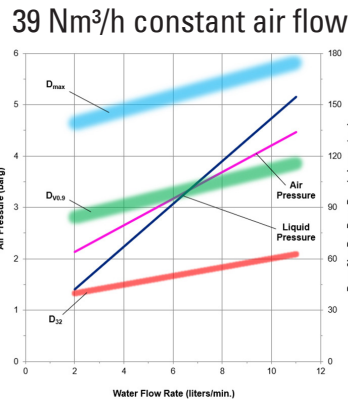
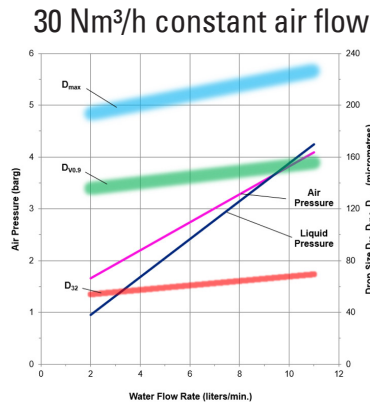
CAPACITY



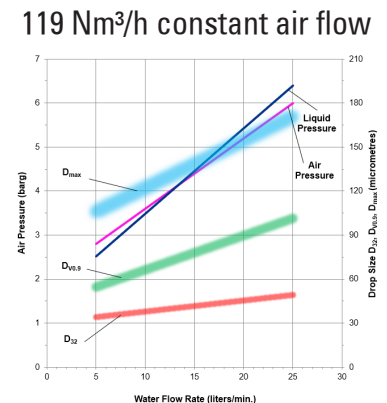
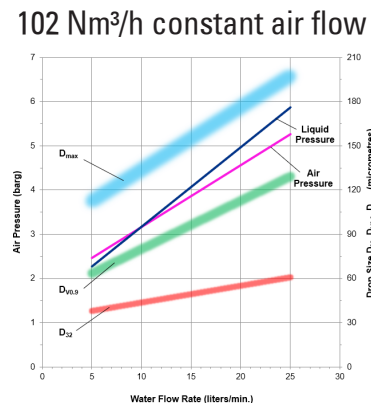
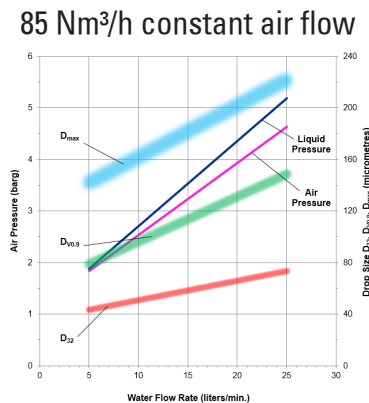
NOZZLE OPERATION

Air/Water pressures should not exceed 8 barg. For long lifetime use particle filters of < 500 microns. Drop size measurements are based on laboratory conditions using air as atomizing gas and pure water as liquid. Application of other non-condensing atomizing gases (e.g. nitrogen) as well as other liquids is possible, but droplet size distribution might change significantly.

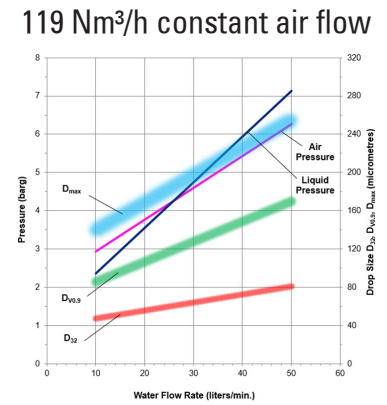
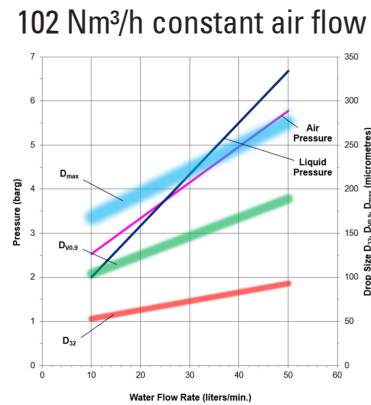
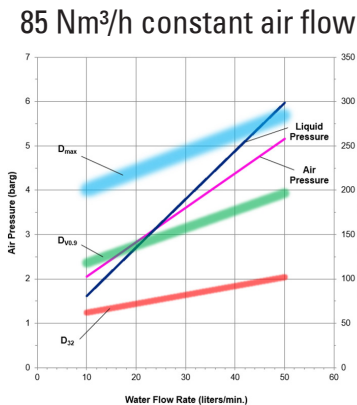
FloMax® FM3E



FloMax® FM5E



FloMax® FM10E



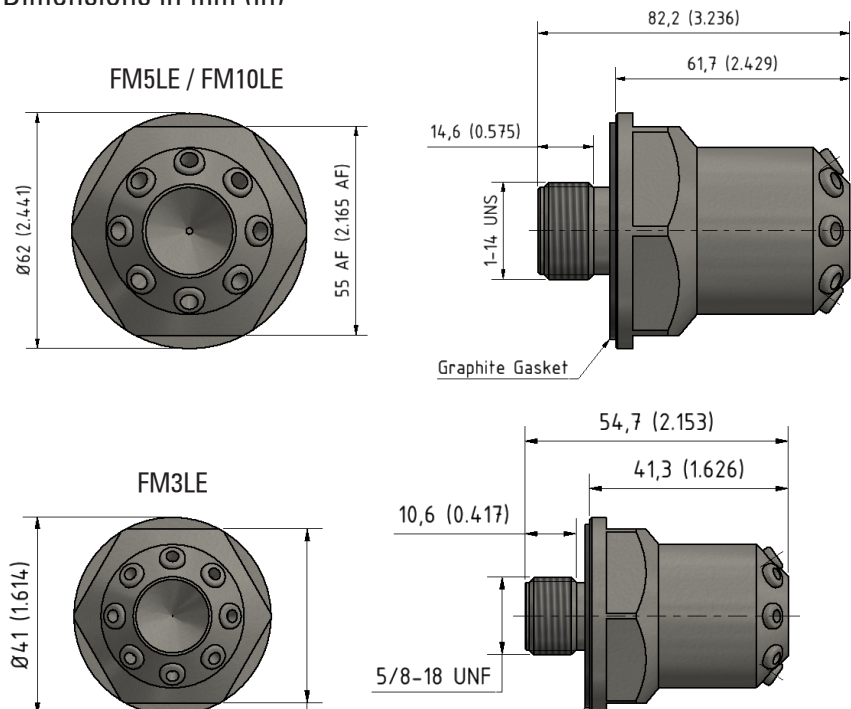
Data is based on spraying water under laboratory conditions. All values are to be computed utilizing the procedures for determining spray characteristics as outlined by ASTM (Standard E799).



FLOMAX® ECO NOZZLES

DIMENSIONS

Dimensions in mm (in)



MATERIAL

Stainless Steel 1.4404

(AISI 316L)

Other materials on request

OPTIONAL

Lances & Dosing Systems



ADVANTAGES OF USING FLOMAX® ECO NOZZLES

Innovative products for the perfect spray. Designed, manufactured and tested in Germany.

The new FloMax® nozzle series is the advancement of the previous design.

- Compact one piece design
- Maintenance is fast and easy

The new FloMax® ECO nozzles consist of only one piece and a gasket. No special tools are required.

APPLICATIONS

- Gas cooling at power plants or steel production plants (e.g. before an E-filter)
- Gas cooling at industrial or petro chemical process plants

ORDERING INFORMATION

FloMax® Nozzle Type	Water capacity in gpm	Code for ECO Series	Spray angle	Materialcode for stainless steel
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Example

FM	10	E	55	-1.4404
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