The ViscoMist™ series offers independent regulation of both atomizing air and fan air, which provides the user with infinite control over the viscous fluid’s spray pattern and droplet size.

The ViscoMist™ nozzle features a standard ‘Liquid Shut-Off/ Clean-Out Needle’ function. This design element activates and deactivates the liquid supply, while simultaneously removing excess fluid from the fluid nozzle preventing clogging. This feature is especially vital when the viscous liquids are being applied in continuous process environments.

The modular design of the ViscoMist™ allows maximum flexibility to meet the exact spray requirements.

Interchangeable air caps and various flow capacities are available to suit any spraying application needs.

**One nozzle – three spray characters**

- Solid stream
- Full cone
- Flat fan

**Fluid regulation**

Independent regulation of liquid, atomizing air and fan air

**Fluid circulation possible**

(Nozzle body with 5 connections)

**Outside mixing to spray viscous liquids, for example:**

- Coating
- Moisturising
- Lubrication
- Glazing
- Sanitising

**Fluid cap options**

Ø 0.38 mm to 2.54 mm

**Valve position**

Normally closed, fail-safe with loss of air

**Signal air pressure**

Min. 2 bar
Max. 3 bar

**Cycles per minute (short term)**

180 cycles/min

**Material**

1Y (316L SS)

**Ports**

01 (1/8 NPT (F))
11 (1/8 BSPP (F))

**Flow rate range**

Water: 7.8 to 307 l/h, at 2 bar
Air: 7.5 to 32 m³/h i.N., at 2 bar

Further information and ordering data on request.

**Atomizing air / Fan air / Signal air**

The atomizing air causes the liquid to atomize at the nozzle orifice. The spray character can be adjusted with the fan air to suit the application. The signal air activates the nozzle.

**Nozzle body configurations**

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Pneumatic atomizing nozzles, for atomizing viscous media
Series 176 ViscoMist™