



ViscoMist™ Series 176

The ViscoMist™ series offers independent regulation of both atomising 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.

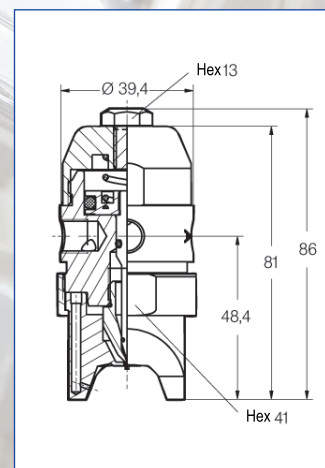
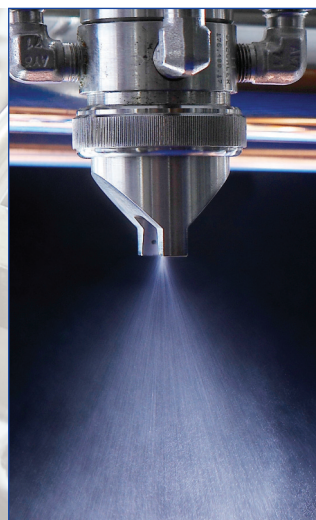
Increased hygienic requirements led to an improved smooth external nozzle design. The new design decrease the cleaning time for the body of the nozzle.

One nozzle – three spray characters

- - Solid stream
- Full cone
- Flat fan
- Independent regulation of liquid, atomising air and fan air
- Fluid circulation possible (Nozzle body with 5 connections)

Atomising Air / Fan Air / Signal Air

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



Outside mixing to spray viscous liquids, for example:

- Coating
- Moisturising
- Lubrication
- Glazing
- Sanitising

Technical data



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Fluid Cap Options

Ø 0.38 mm bis 2.54 mm

Valve position

- Normally closed,
Fail-safe with loss of
air

Signal air pressure

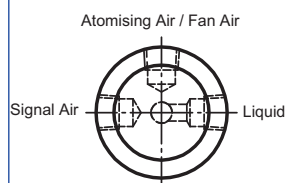
- Min. 1.5 bar
- Max. 3 bar

Cycles per minute (short term):

- 180 cycles / min

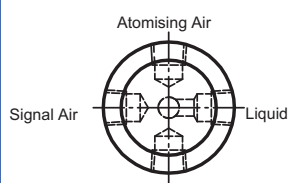
Nozzle body configurations

Nozzle body configuration 2



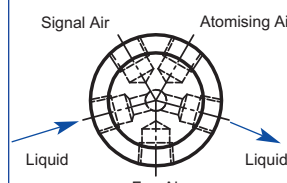
3 connections

Nozzle body configuration 4



4 connections

Nozzle body configuration 5



5 connections

Material

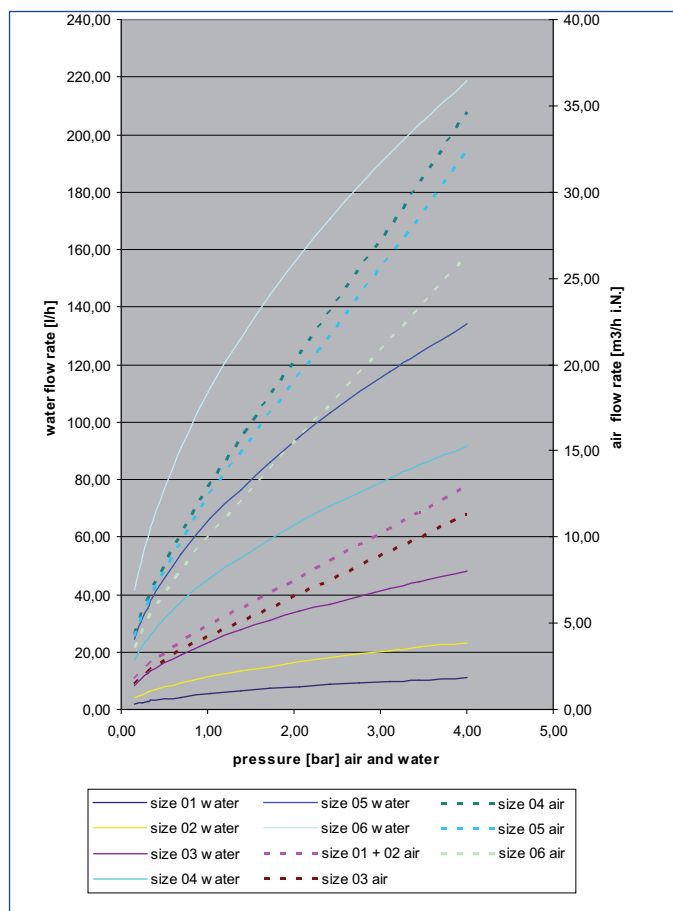
- 1Y (1.4404 (316 L))

Ports

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

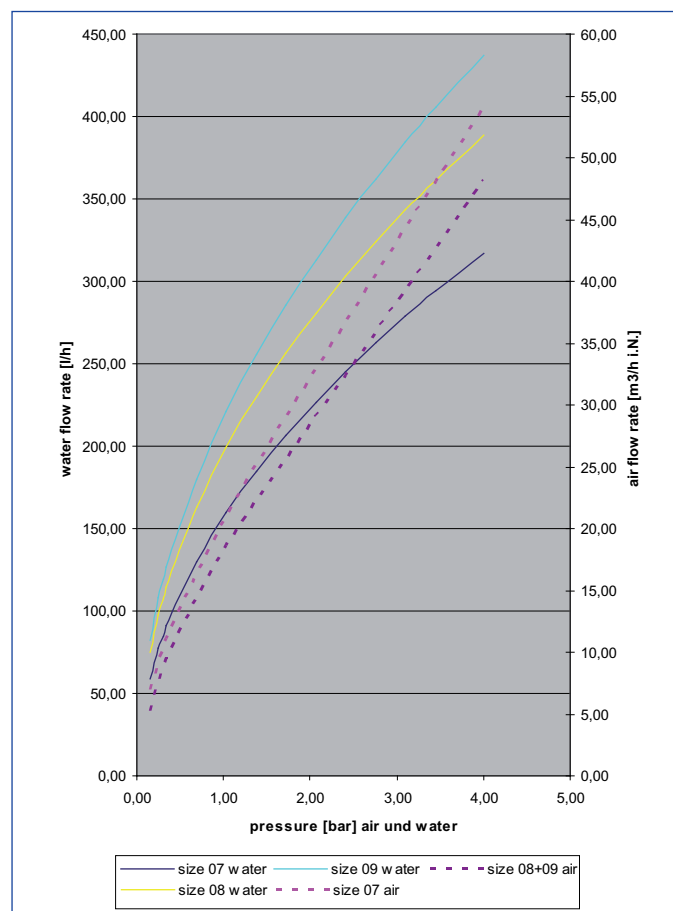
Pressure-flow rate diagram

Nozzle Size 01 to 06



Pressure-flow rate diagram

Nozzle Size 07 to 09



Ordering structure

176.XYY.1Y.ZZ.00.5

X = Nozzle body configuration (2,4,5)

YY = Nozzle size (01- 09)

ZZ = Port (01,11)