

Data sheet

Atomizing Water Spray Nozzles Types M & MW

Application



Mini nozzle type M features our unique perfect solution where small size, accurate flow rates, very fine atomization and low cost are desired. Mini Wide nozzle type MW designates "wide angle" and provides a very fine atomization in low volume flow rates with a wide spray angle and large coverage area.

Hago Mini nozzles are widely used in both professional and home green houses for plant and seedling misting, in industry for process cooling or humidifying and in agriculture for livestock cooling. In recent years they have been used in dry climates for home patio cooling.

Application and Features

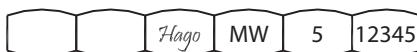
- Misting, cooling, humidifying
- Spraying light oils

Availability

- M: 80° sprayangle at 100psi (~ 7 bar)
- MW: 160° sprayangle at 100psi (~ 7 bar)
- Spray pattern: Semi solid cone
- Available in 12 pieces box single packed or 50 pieces blister pack.

Identification

The nozzles are marked with the following information:



Stamped on the flats		
MW	Water Spray Nozzle	M Mini
5	Capacity	MW Mini Wide
12345	Batch code	5 = 5 USgal/h at 100 psi (~ 7 bar) and 35 SSU (2.7 cSt)

Technical Data

Material and construction

Brass: Our common grade material of construction. Acceptable for most water based applications.

Type 416 stainless steel: Available on request.

Type 416 stainless steel shows good resistance to wear at higher water pressures. It is rust resistant as well, but not rust proof.

Filtration

120 µm stainless steel filter.

Recommended tightening torque

100-150 in-lbs (11-17 Nm).

Maximum tightening torque

150 in-lbs (17 Nm).

Pressure vs. Flow

For general purposes, changes in flow rate due to changes in pressure can be estimated as being approximately equal to the square root of the pressure ratio.

Therefore: Flow rate at the desired pressure =

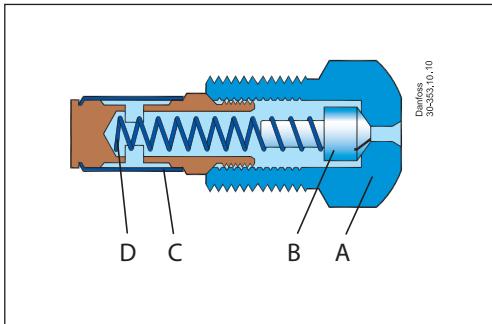
$$\text{RATED FLOW at 100 PSI}^* \sqrt{\frac{\text{DESIRED PRESSURE}}{100}}$$

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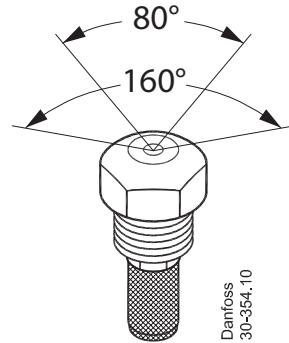
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Design

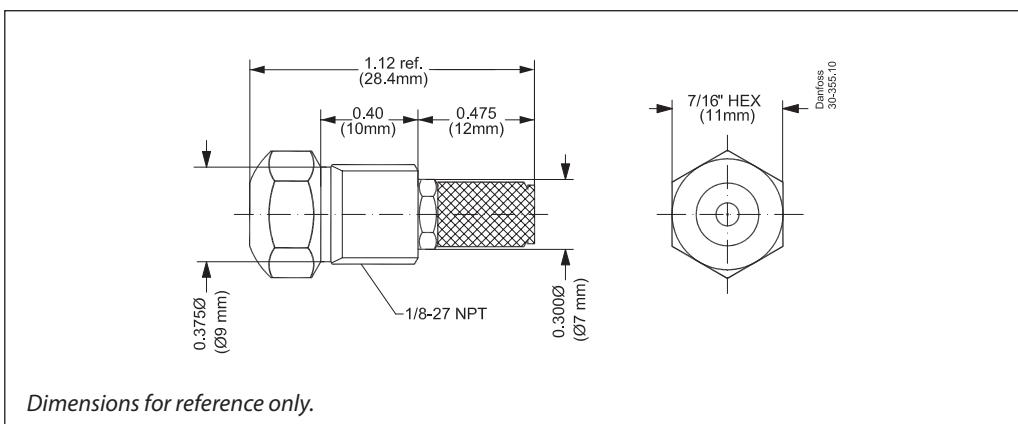
A: Tip
B: Disc
C: Filter
D: Spring



Spray angles



Dimensions



Program

Mini	Brass 12 pieces	Brass 50 pieces	Steel 12 pieces	Steel 50 pieces	Usgal/h at 100 psi
M1	030L4604	030L4654	030L4606	030L4656	1.00
M2	030L4608	030L4658	030L4609	030L4659	2.00
M3	030L4610	030L4660	030L4611	030L4661	3.00
M4	030L4612	030L4662	030L4613	030L4663	4.00
M5	030L4614	030L4664	030L4615	030L4665	5.00
M7	-	-	030L4619	-	7.00
M10	030L4616	030L4666	-	-	10.00
M15	030L4617	030L4667	030L4618	030L4669	15.00

Mini	Brass 12 pieces	Brass 50 pieces	Steel 12 pieces	Steel 50 pieces	Usgal/h at 100 psi
MW5	030L4602	030L4652	030L4601	030L4651	5.00
MW11	-	-	030L4621	030L4671	11.00
MW15	030L4603	030L4653	-	-	15.00

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