ENGINEERING
TOMORROW

Data sheet

Anti-Drip Spray Nozzles Type 4023

Application

Many nozzles are satisfactory for spraying liquids, but for a positive cut-off ask for the Hago type 4023 nozzle. Our exclusive design produces a precisely controlled flow rate and spray angle and includes a liquid cut-off near the orifice. Fluid cut-off near the orifice can be very important in situations where excessive after drip can damage or destroy things located beneath the nozzle.

Chemicals, insecticides, and even plain water, if allowed to drip, can foul the environment or injure livestock, seedlings and industrial materials.

With the type 4023 anti-drip nozzles, operators can achieve fluid cut-off near the orifice while maintaining pressure within the nozzle supply system.
The type 4023 nozzle emits a finely atomized spray mist suitable for nearly all humidifying, light wetting and evaporative cooling application. This nozzle has become a nozzle of choice for the insect spray system industry.

Application and Features

- Insect control
- Odor control chemicals
- Green houses
- Agriculture, farms, livestock, barns
- Environmentally hazardous chemicals
- Reduces undesirable nozzle after-drip
- Field proven performance for over 40 years
- Accurate, flow rate and spray angle
- Produces a finely atomized mist

Availability

- Standard flow rate: 0.75 GPH at 160 psi (11bar), water.
- Spray angle: 70 Degrees at 160 psi, water.
- Spray pattern: Semi solid cone.

Available Accessories

- Adapters

Identification

The nozzles are marked with the following information:

Stamped on the flats	
4023	Anti-Drip spray nozzle
HP	High Pressure
NSB	Nickel Silver tip and Brass disc
▭	Batch code for internal use

Data sheet **Anti-Drip Spray Nozzles Type 4023**

Technical Data

Material and construction
Our nozzle with nickel silver tip and brass disc is our most popular and corrosion resistant offering for water applications. Nickel Silver is a trade name for a non-magnetic copper nickel alloy. This also includes a stainless steel spring.

Performance
Minimum recommended operation pressure is 160 psi (11 bar).
The nozzle is rated 0.75 gph (water) at 160 psi (11bar) where it delivers a semi solid spray pattern.

Cut off valve
The cut off valve has a closing pressure between 40-70 psi (~3 to 5 bar)

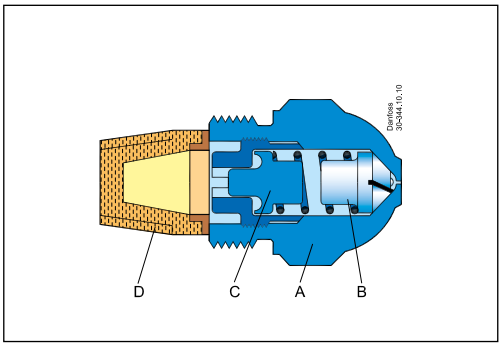
Filtration
30-40 µm sintered bronze filter

Recommended tightening torque
130 to 180 in-lbs (15 to 20 Nm).

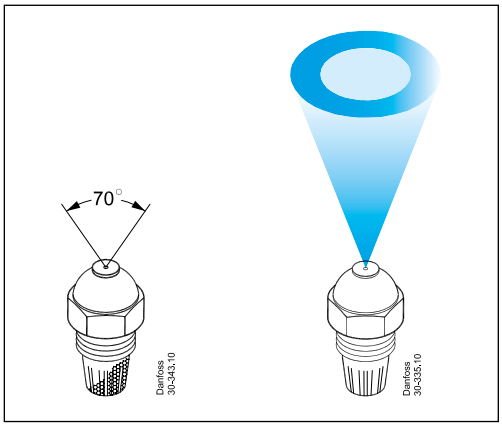
Maximum tightening torque
180 in-lbs (20 Nm).

Design

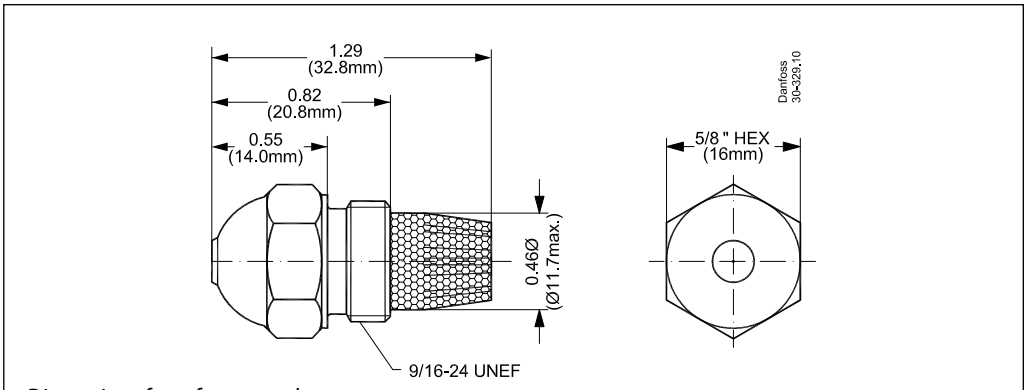
A: Tip
B: Disc
C: Cut-off valve
D: Sintered filter



Spray angle and pattern



Dimensions



Dimensions for reference only.

Program

Standard flow rate	Semi Solid	Remarks
Usgal/h	70°	-
0.75	**030L4501**	-
0.75	**030L4502**	With O-ring

Danfoss
Toronto, ON/Baltimore, MD
Toll Free: 888-DANFOSS (326-3677) Option #3 for Heating
heating.danfoss.us
heating.cs.na@danfoss.com