

# Air Nozzles



Order no: **F 1**

## TECHNICAL DATA

Refrigeration	436
Air consumption (scfm)	10.0
Temperature reduction	68.4
Sound level (dB(A))	76
Material (nozzle)	ZYTEL
Connection	NPT 1/4"
Weight (lbs)	0.187
Max temp (°F)	248
Max op. pressure (psi)	145

**SILVENT F 1** is a cooling nozzle with FRIGUS technology that is especially designed for spot cooling where unwanted heat occurs, due to material milling, drilling, grinding, turning, etc.

Maintaining a reduced temperature during machining operations facilitates the process and extends tool life.

F 1 generates a low noise level.

Its revolutionary design is compact and the unit is simple to install. It is easy to replace your standard nozzle with a FRIGUS cooling nozzle.

F 1 cools the target while blowing away chips and enhancing quality.

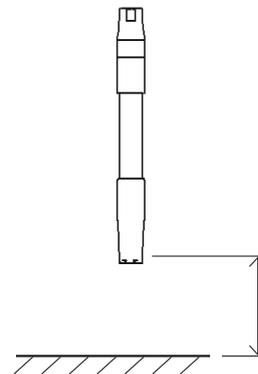
FRIGUS technology provides the possibility to quickly and easily adjust both the air consumption and cold fraction you need.

This simple, unique control design allows you to set air consumption in relation to your refrigeration requirements.

*Material specification: Zytel HTN54G3 5HSLR BK031, NBR, EN 1.4305, Cu, Sn, Elastollan c80a HPM, Polyster, Elastollan C60A HPM, Makrolon 8035*

*\*For further information, see page 150 or visit [silvent.com](http://silvent.com).*

To obtain best cooling effect from the cooling nozzle, use as short blowing distance as possible from the nozzle to the object. Recommended max blowing distance = 30 mm (1.18").



## ALTERNATIVES

### F 1-M2



SILVENT F 1-M2 - F 1-M4: nozzle mounted on a bendable 1/4" FlexBlow hose that maintains the desired position for quick and easy adjustment. Available in 3 different lengths and supplied with a magnetic base.

## Temperature and effect diagram: SILVENT F1

