

# Effectiveness of F2D Silencer

Test report number: 003 version 01 URL: <http://www.f2d.dk/noise/test/003-01.pdf>

## Test:

Test by: Henning Forbech  
Data: 27-02-2011  
Place: Bülowsgade 36  
DK-8000 Århus  
Denmark  
Temperature: 21 °C  
Air pressure: 1016 hPa  
Humidity: - %

## Silencer:

Manufacturer: Arifof (?)  
Designer: Arifof (?)  
Owner: Håkan Östman  
Type: Simple chamber  
Outlet: ø8 mm (2009 rules)  
Inlet: ø14 mm  
Internal volume: 12.5 ml  
Total length: 55.0 mm  
Max outside diameter: ø19.0 mm  
Comment:

## Sound Pressure Level meter:

Type: ISO-TECH SLM-1352N  
Serial No: 100305521  
Classification: IEC 61672-1: 2002 Class 2  
Frequency weighting: A  
Mode (smoothing): Slow  
Measuring range: 70-120 dB(A)

## Noise generator:

Pink noise generator: Welleman Kit: K4301  
Audio amplifier: Welleman Kit: K4001  
Loudspeaker: PASO SM35  
Adapter: ø 14 mm  
Noise frequency spectrum: Pink Noise

## Result:

Background noise: < 30 dB (A)  
Measuring distance: 100 mm  
Noise level without silencer: 105.3 dB(A)  
Noise level with silencer: 104.0 dB(A)  
Silencer effectiveness: 1.3 dB

