



eliminates unwanted oil mist and reduces exhaust noise

from pneumatic valves, cylinders and air motors.

Features:

- 99.97% oil removal efficiencies
- 25 dBA Noise attenuation
- 1/2" and 1" NPT
- Disposable Units
- Continuous or plugged drain option
- Metal retained UNI-CAST construction
- Fast exhaust time
- BSP (G) Thread option

Improve Overall Plant Environment

Exhaust oil mist and noise pollution have a direct impact on worker productivity and their environment.

Oil aerosol mist from lubricators and compressors is pervasive and enters the industrial plant environment through the exhaust ports of valves, cylinders and air motors. This rapidly expanding exhaust also produces sudden and excessive noise.

Finite's Exhaust Coalescing Silencer (ECS) is 99.97% efficient at removing the oil aerosols. The ECS also acts as a silencer to lower the dBA levels to below O.S.H.A. requirements.

The result is a cleaner, quieter, environment which equates to greater work productivity and safety.

Finite® Technology

ECS units are constructed from the same materials that go into our oil removal coalescing filter elements. Finite's UNI-CAST seamless design insures media uniformity and strength. This proven technology provides high coalescing efficiency with low pressure drop.

The filter media is supported by cylindrical perforated steel retainers both inside and out. These retainers, galvanized for excellent corrosion resistance, give Finite's ECS units high rupture strength in either flow direction. ECS units can also be used as high efficiency inlet or bypass filters for vacuum pumps, or breather elements to protect the air above critical process liquids.

Filter, Regulator,
Lubricator (FRL)

How It Works

Compressor oils and lubricating oils are exhausted from valves, cylinders and air motors into the ECS. Oil aerosols are coalesced into

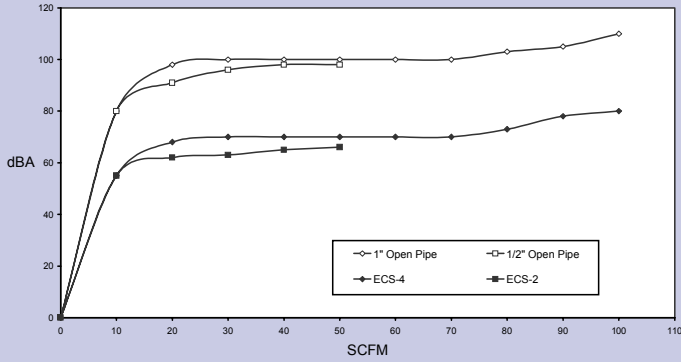
larger droplets and gravity pulls them into the attached drain sump. The sump can then be drained manually or by using a 1/4" ID plastic tube

drain. The air flowing into the ECS is also muffled or silenced as it enters the inside of the ECS and passes through the filter media into the atmosphere.

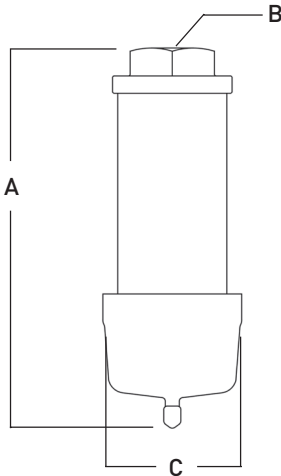
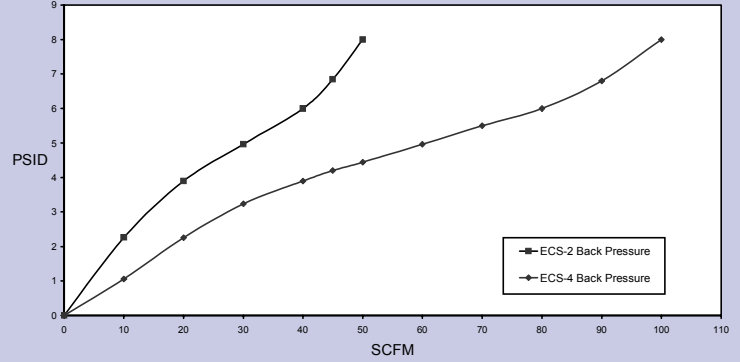
Finite®

Exhaust Coalescing Silencer

Flow vs. Noise Level



Flow vs. Back Pressure



Performance Specifications:

Maximum operating temperature: 125°F/52°C
 Maximum Line Pressure: 100 PSIG/7bar

Dimensions:

Model Number	A	B	C
ECS-2	5.3" (135mm)	1/2" NPT	2.57" (65mm)
ECS-4	7.3" (185mm)	1" NPT	2.57" (65mm)
ECSB-2	5.3" (135mm)	1/2" BSP	2.57" (65mm)
ECSB-4	7.3" (185mm)	1" BSP	2.57" (65mm)

Typical Applications:

- Valve Exhaust
- Cylinder Exhaust
- Air Motor Exhaust
- Noise Reduction
- Oil Mist Elimination
- Safer Work Environment
- Tank Vents
- Vacuum Exhaust

Ordering Information:

Use the following model numbers to place an order:

For NPT Porting:

- ECS-2 x 1 (1/2" NPT)
- ECS-4 x 1 (1" NPT)
- ECS-2 x 6 (1/2" NPT - Carton of 6)
- ECS-4 x 6 (1" NPT - Carton of 6)

For BSP Porting:

- ECSB-2 x 1 (1/2" BSP - Parallel (G))
- ECSB-4 x 1 (1" BSP - Parallel (G))
- ECSB-2 x 6 (1/2" BSP - Parallel (G) - Carton of 6)
- ECSB-4 x 6 (1" BSP - Parallel (G) - Carton of 6)

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