

FLAME-RETARDANT

ISODUC ALU-PES 368 Anti-Bacterial

Antibacterial HVAC hose for hospitals and laboratories



ISODUC ALU-PES 368 Anti-Bacterial is the antibacterially treated variant of ALU-PES 368, documented to ISO 22196. Designed for ventilation in hospitals, laboratories and other environments where microbial growth on duct surfaces must be avoided.

Media: Gas

Temp: -30 °C to 140 °C

✓ Cut to length

APPLICATIONS

- Supply and distribution of conditioned air in buildings and plants
- Extraction of process, kitchen and laboratory air
- Thermal insulation around hot media up to 140 C (ALU-PES)
- Acoustic damping at fans and cooling units
- Rapid flexible connection between components in compact plant rooms
- Refurbishment where high flexibility and low weight are advantages
- Marine ventilation and engine-room cooling

Technical specifications

Material	Aluminium-polyester laminate (ALU-PES) with antibacterial treatment
Colour	silver (antibacterial treatment)
Wall construction	Laminate with spring-steel reinforcement; surface treatment to ISO 22196
Spiral material	Spring-steel wire
Conveying media	Gas
Temperature range	-30 °C – 140 °C
Short-term peak	140 °C
Cut to length	Yes
Manufacturer SKU	3683501

Standards and compliance

en-13501-1, RoHS, REACH, iso-22196

Dimensions and ordering

The hose is supplied in 16 standard sizes from inner Ø 76.0 mm to 610.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Bend rad. [mm]	Max len. [m]	Article no.
76	76	10	36800763508
82	82	10	36800823508
102	102	10	36801023508
127	127	10	36801273508
152	152	10	36801523508
160	160	10	36801603508
180	180	10	36801803508
203	203	10	36802033508
254	254	10	36802543508
305	305	10	36803053508
315	315	10	36803153508
356	356	10	36803563508
406	406	10	36804063508
457	457	10	36804573508
508	508	10	36805083508
610	610	10	36806103508

ISODUC hoses are ventilation/low-pressure products; pressure values are reported as maximum H₂O pressure in mmH₂O, not as working pressure in bar. Compressibility and maximum air velocity are specified by the manufacturer at 20 C. Bend radius is measured along the inside of the hose bend.

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