

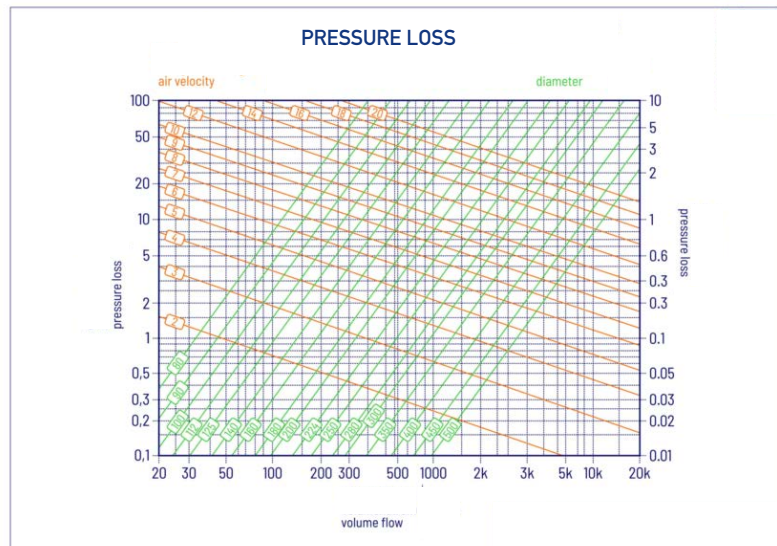
### Product



AL-U-FLEX®, SAGIS - Medical Grade model is a semi-rigid air duct made of aluminum with a fold. This duct is flame and smoke resistant for low, medium and high velocity ventilation.

Tested and catalogued according to the standards UL 181 / ULC S-110, Class 1 air duct

Flame spread: < 25  
Smoke spread: < 50



### Characteristics

- Colour: Aluminum
- Maximum positive static pressure: 3.75 kPa
- Maximum negative static pressure: 0.25 kPa
- Maximum velocity: 25.4 m/s
- Minimum diameter: 100 mm  $\varnothing$
- Maximum diameter: 457 mm  $\varnothing$
- Standard length: 3 m
- Operating temperature:  $-30^{\circ}$  @  $250^{\circ}\text{C}$
- Radius of curvature:  $0.54 \times$  diameter
- Total thickness: 153 microns

### Specification

Alloy 1100/3100. A tightly corrugated aluminum fold for added strength and flexibility. Interlocking joints folded flat and then rolled and Quadralock to ensure tightness. Perforated to resist vibration. Covered with non-carcinogenic Textrafine R4.2 (or R8 / R12) insulation with an overlap of two to four inches (5 to 10cm) which will in turn be covered with a second aluminum semi rigid pipe used as a vapour barrier. A grey poly-vinyl jacket is pulled over the inside duct to prevent particles from entering the duct. A special requirement for HVAC systems in medical buildings.

### Guarantee

Trans Continental Equipment products guarantees that all flexible ducts in the **AL-U-FLEX®** series, including the **SAGIS** model, will be free from defects in materials and workmanship for a period of ten (10) years from date of purchase only. Conditional on our instructions for installation, use, operation and cleaning. Materials and technical specifications may be changed without notice.

PROJECT	# PROJECT
ARCHITECT	ENGINEER
SUBMITTED BY	DATE