

### Medical Grade Noise Attenuator

#### Description:

**Ventflex ASPGA** is a C-UL S110 (AIR DUCT) certified insulated flexible air connection. This semi-rigid ventilation duct is lightweight and is available with R4.2, R6 and R8.4 insulation.

**Ventflex ASPGA** Ventflex ASPGA is manufactured from aluminum or thick stainless steel type 316 (0.005"). The ventflex ASPGA is manufactured using a mechanical process without any added adhesive.

**Ventflex ASPGA** is perforated on 20% of its surface in order to act as an acoustic attenuator thus helping to reduce the noise level generated by moving air as well as by the mechanical system.

**Ventflex ASPGA** has an additional layer of thick polyethylene (0.003" /0.0762mm) designed to prevent any contact between the air in the duct and the non-hazardous fibers of the insulation.

**Ventflex ASPGA** is corrosion resistant, completely water repellent and withstands high operating pressures. Resistance to high operating pressures is made possible by a unique jointing process. The large wall thickness (0.005"/0.95mm) of the internal duct allows for high operating pressures (12 in. H<sub>2</sub>O (3 kPa)).

**Ventflex ASPGA** offers the best flame resistance in the industry since no combustible material is visible at the outer wall of the duct. The internal wall of the Ventflex is made of pure non-combustible aluminum. In addition, no adhesive is used in the manufacture of the duct.

**Ventflex ASPGA** features a much lower internal coefficient of friction than regular flexible ductwork made from fabric reducing the energy required by the system to move air.

**Bending diameter:** 1-1.5 times the diameter of the duct

**Insulation:** John Manville Flex-Glass certified formaldehyde-free and non-hazardous to health (see technical sheet)

**Available diameter:** 3" - 4" - 5" - 6" - 7" - 8" - 9" - 10" - 12" - 14" - 16" - 18" - 19" - 20" - 22"

Standard length of 10'

<b>Flame spread</b>	< 25
<b>Fume development</b>	< 50
<b>Maximum air velocity</b>	4000 ft/min
<b>Maximum continuous positive pressure</b>	15 in. H <sub>2</sub> O (3 kPa)
<b>Maximum continuous negative pressure</b>	6" H <sub>2</sub> O (0.37 kPa)
<b>Temperature range</b>	-40°F to 250°F (-40°C to 121°C)
<b>Maximum operating temperature</b>	-30°F to 140°F continuously (at 4" WC) -30°F to 180°F continuously (at 2" WC) -30°F to 250°F continuously (at ½" WC)
<b>R coefficient of insulation</b>	4.2 - 6 - 8.4
<b>Vapor barrier material</b>	Metallic polyester
<b>Duct wall thickness</b>	0.005" /0.127mm
<b>Vapor barrier thickness</b>	0.0037" /0.095mm



**This product is listed  
C-UL-S110 – US-UL-181  
Flexible air duct  
Class 1**



**This product meets the  
standards  
NFPA 90A  
NFPA 90B**



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