

# Flexible duct connection **UNI EN 1751:2003**



The APS Arosio flexible duct connection is a system designed to be attached between the fan/blower and the discharge flange in the AHU to isolate vibration and noises to the source.

The air tight flexible joint is attached to the frame using Arosio stopper systems which is screwless. The fabric is joint together with electrical sealer which prevent leakage and fabric tearing off. Available in 30 mm and 45 mm aluminium frame to cater different opening sizes and different choices of fabric.

## **Construction:**

- Frame - Extruded aluminum profiles with standard mill finishing in 30 mm / 45 mm width
- Corners - Natural finished in ZAMA
- Fabric - PVC in grey colour and joint

## **Design:**

- Temperature - working condition range of -25°C / +70°C
- Materials according to ROHS / PAK

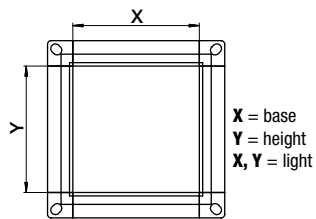
## **Options:**

- Anodized aluminium profiles
- Painted aluminium profiles
- Choise of different fabrics and width
- Value added services on frame (ex pre-drilled holes etc.)
- Certified silicon and halogen agents free
- Materials according to VDI6022

*All stated specifications are subject to change without notice or obligation*

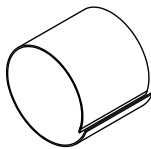
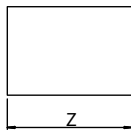
## Dimensional details

### 30 mm frame



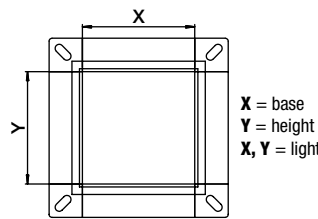
$$Z = 2X + 2Y + 93\text{mm}$$

X = base  
Y = height  
X, Y = light



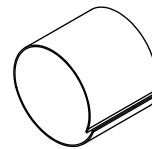
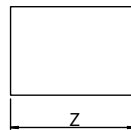
External dimension =  $X + 60\text{ mm}$   
External dimension =  $Y + 60\text{ mm}$

### 45 mm frame



$$Z = 2X + 2Y + 93\text{mm}$$

X = base  
Y = height  
X, Y = light



External dimension =  $X + 89,2\text{ mm}$   
External dimension =  $Y + 89,2\text{ mm}$

## Fabric dimensions



171 mm / 6.73 in



121 mm / 4.76 in



71 mm / 2.79 in

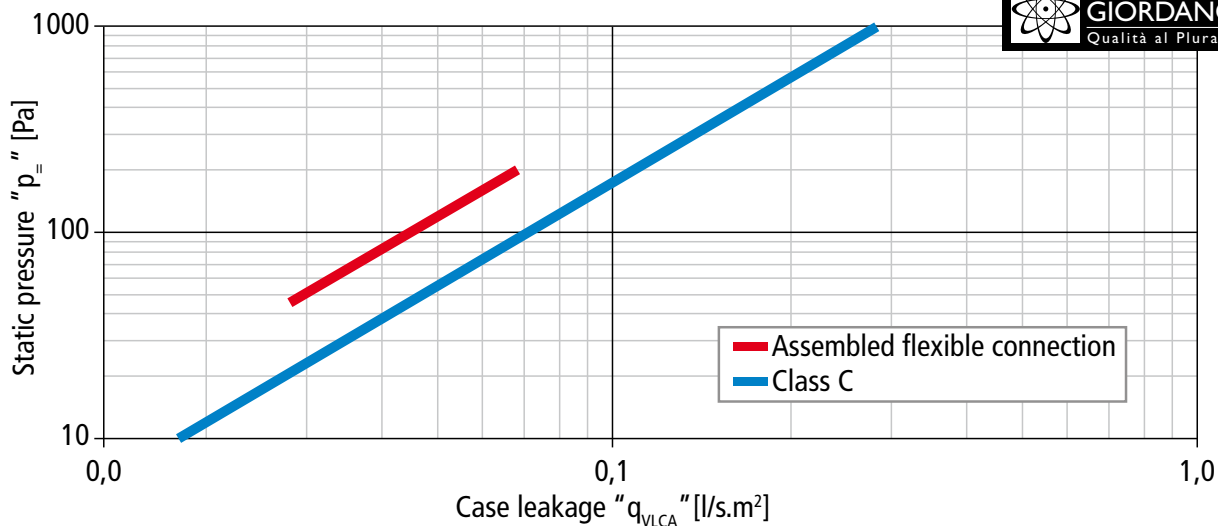
## TECHNICAL DATA

Material	PVC
Heat resistance	+70°C
Cold resistance	-25°C
Color	Grey

Other colors and special materials on request

## Leakage diagram test in accordance to EN 1751 / Istituto Giordano

Test report No. 263123 dated 30.11.2009



Characteristic leakage "qVLCA" - Static pressure "ps" curve