

# FLEXIBLE DUCT CONNECTOR



## General Description

ROCKAL® Flexible Duct Connector (High Quality ventilation product)

Designed to isolate equipment noise and vibration from the ductwork, ROCKAL® flexible duct connector consists of a fabric which is secured to sheet metal on both sides, the connector is inserted between the equipment and the ductwork, Flexible duct connectors are widely used in air conditioning systems for commercial, industrial and residential applications.

## Key features:

- Airtight and waterproof.
- Commercial or residential applications.
- Double-lock gripping fingers of metal to fabric adds to holding power.
- Designed to meet NFPA 90A & 90B specifications.
- Pre-assembled with sheet metal permanently secured to fabric.
- Available in a variety of fabrics.
- Fabrics are complying with NFPA 701.
- Heat resistant.
- Durable.
- Flexible.

## Duct Connector Fabric Types

### PU (Polyurethane)

Polyurethane fabric is fragile in construction but have a longer resistance period to high temperatures.

### PVC

is recommended for use in application where high mechanical strength is required, extremely resistant to most alkalies, gasoline and toxic fumes.

### SILICONIZED

Silicon fabric has a special silicon rubber coating that has excellent resistance to high and low temperatures. It is recommended for application where high temperature is of main concern in both indoor and outdoor installations.

## Application

All mechanical equipment like Air Handling Units, Fan Coil Units and Ventilation Fans generate noise and vibrations when used. To eliminate the noise and vibrations from transmitting through the air ducts, it is necessary to install an airtight flexible joint between the outlet of the equipment, and the inlet of the ducts. During manufacturing, the joint formed by attaching a layer of fabric to two strips of metal on either side is called a "Flexible Duct Connector". The most critical part of this Flexible Duct Connector is the fabric which has to be selected to suit the typical requirements of each installation.

# Size availability

Width:

Size	Sheet Metal	Fabric	Sheet Metal
Small size	45mm	75mm	45mm
Large size	70mm	100mm	70mm

Length:

Standard length: 25 m per cardboard Box.

# Packing and handling

- Small size: Cardboard Box 430mm x 180mm x 430mm.
- Large size: Cardboard Box 430mm x 250mm x 430mm.

## POWER LOCK



## SINGLE FOLD



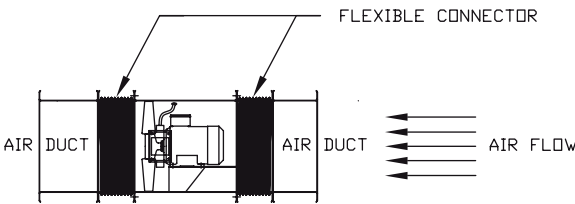
## SINGLE FOLD



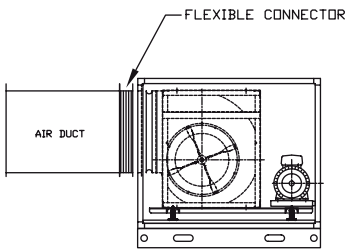
# Technical Parameters

TYPES	PU	PVC	SILICONIZED
Base Fabric	Fiberglass	Polyester	Fiberglass
Coating	PU (both sides)	PVC (both sides)	Rubbery surface for grip (both sides)
Color	Grey	Black or Grey	Grey
Temperature Range	-30 C ° up to 250 C °	-30 C ° up to 80 C °	-30 C ° up to 260 C °
Fire Resistance	Fabric: Non-combustible Coating: Fire retardant	Fabric: Limited-Combustibility Coating: Limited-Combustibility	Fabric: Non-combustible Coating: Fire retardant
Tensile Strength	W: 425 lbs F: 280 lbs	W: 280 lbs F: 220 lbs	W: 372 lbs F: 372 lbs
Tearing Strength	W: 65 lbs F: 70 lbs	W: 35 lbs F: 35 lbs	W: 90 lbs F: 90 lbs
Specifications	Strongest all-purpose fabric in the industry with excellent resistance to cuts, tears, and abrasion	Suitable for general applications economical choice	Resistant to weather, most chemicals, water, and oil
Fire performance	Comply with NFPA 90A & 90B Comply with NFPA 701	Comply with NFPA 90A & 90B Comply with NFPA 701	Comply with NFPA 90A & 90B Comply with NFPA 701
Sheet Metal	Galvanized	Galvanized	Galvanized

# Application Fingers



EXHAUST FANS



FAN COIL / AIR HANDLING UNITS