



**PR-50**

**R4.2**

## **Insulated Class 1 Flexible Air Duct**

### **PRODUCT DATA & SUBMITTAL**

#### **PHYSICAL DESCRIPTION**

**PR-50** (50' length) flexible duct is constructed with a spring steel wire helix, encapsulated in a 2-ply, air-tight inner core. Fiberglass insulation choices of R4.2 encompass the core and a black polyethylene vapor barrier surrounds the entire duct.

#### **PRODUCT DATA**

**Diameters: R4.2** 4",5",6",7",8",9",10"

**Length:** 50 feet.

**Packaging:** 1 section per polybag or carton. May not be available in both cartons and polybags in all regions. To meet thermal properties, packaging complies with recommended 12:1 or less compression ratio.

**Vapor Barrier:** Black Polyethylene.

**End Treatments:** Raw Ended.

**Inner Core:** Airtight 2-Ply Black Pigmented Polyester.

#### **PERFORMANCE DATA**

**Thermal Value: R4.2** Classified by Underwriters Laboratories, Inc. and bears the ADC Thermal Certification Mark.

**Maximum Positive Pressure:** 6" W.G. determined per ADC Test FD-72R1 at 180° F temperatures in a 90° elbow .

**Maximum Negative Pressure:** 1" W.G.

**Vapor Barrier:** Flexible air ducts are for indoor applications and should not be exposed to direct ultraviolet light.

**Maximum Velocity:** 5,000 FPM.

**Operating Temperatures:** -20°F to 140°F Continuous, -20°F to 200°F Intermittent.

**Permeance:** (Vapor – Barrier) 0.19 US Perms per ASTM E96A – 94.

#### **FEATURES & BENEFITS**

Reduces Flex Duct installed cost by 12%

UL Listed & Labeled

Guaranteed out of package lengths

10 Year limited warranty

GREENGUARD Gold Certification

Formaldehyde free (see [www.jplflex.com](http://www.jplflex.com) for more info)

3/8" oversize inner core

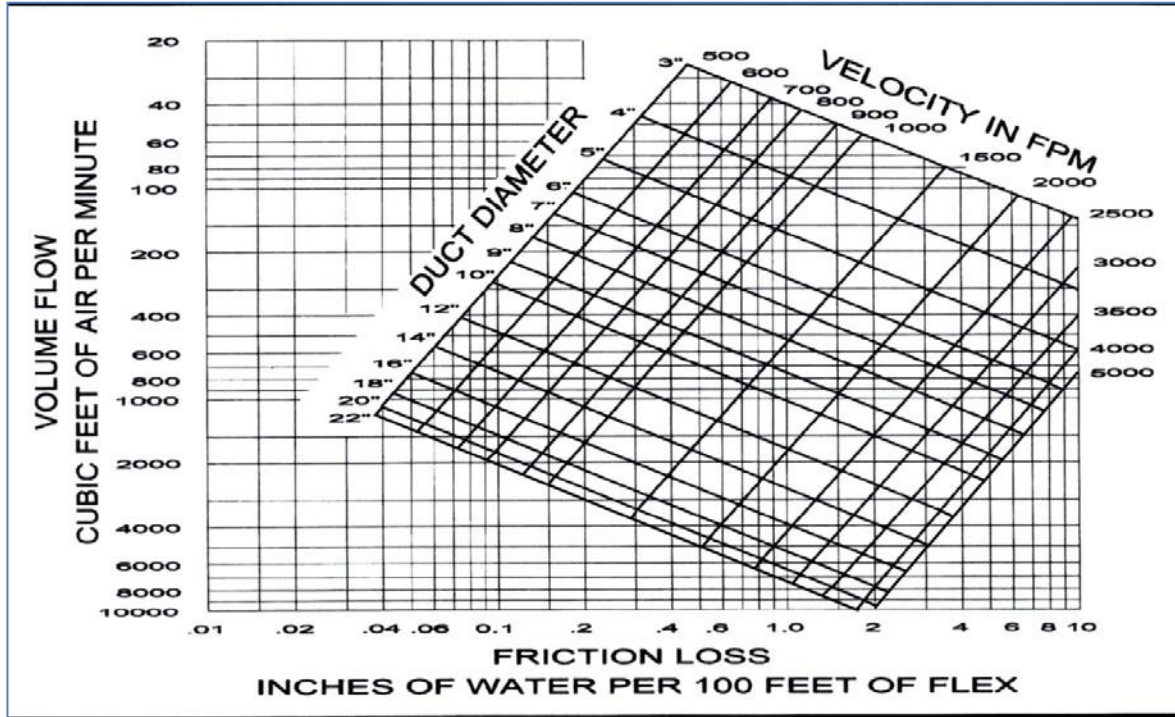
Certified R-Values

#### **CODE COMPLIANCE & APPROVALS**

Listed & Labeled Underwriters Laboratories, Inc. File # MH11637 UL-181 Class 1 Air Duct, Flame Spread 25 or Less / Smoke Developed 50 or Less. Meets the requirements of NFPA 90A & 90B, UMC & IMC and most model codes California Insulation Manufacturer #TD-1092.



# AIR FRICTION LOSS DATA



Friction Loss Slide Chart Calculators are available at a minimum cost



## TEN YEAR LIMITED WARRANTY

**JPL** warrants that all of its UL-181 Flexible Air Ducts & Thermal Sleeves (the "Product") will be free from defects in materials and workmanship under normal use for a period of ten (10) years from date of manufacture.\* This warranty shall apply only to the Product when installed in the U.S.A. in accordance with **JPL** written installation instructions and within the conditions and limitations of the published performance data.

*\*Contact Company for details and limitations*



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◆ Specifications subject to change without notice. ◆

Proper use and installation of these products shall be in accordance with UL-181 and ADC recommended installation instructions in each package.