



# PR-50 R4.2 & R6 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 & R6 encompass the core and a black polyethylene vapor barrier surrounds the entire duct.

### PRODUCT DATA

**Diameters: R4.2 & R6** 4",5",6",7",8",9",10"

**Length:** 50 feet

**Packaging:** 1 section per poly-bag or carton. May not be available in both cartons and poly-bags 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:** Air Tight 2-Ply Black Pigmented Polyester

### PERFORMANCE DATA

**Thermal Value: R4.2 & R6** 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:** 0 - 200° F

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

### FEATURES & BENEFITS

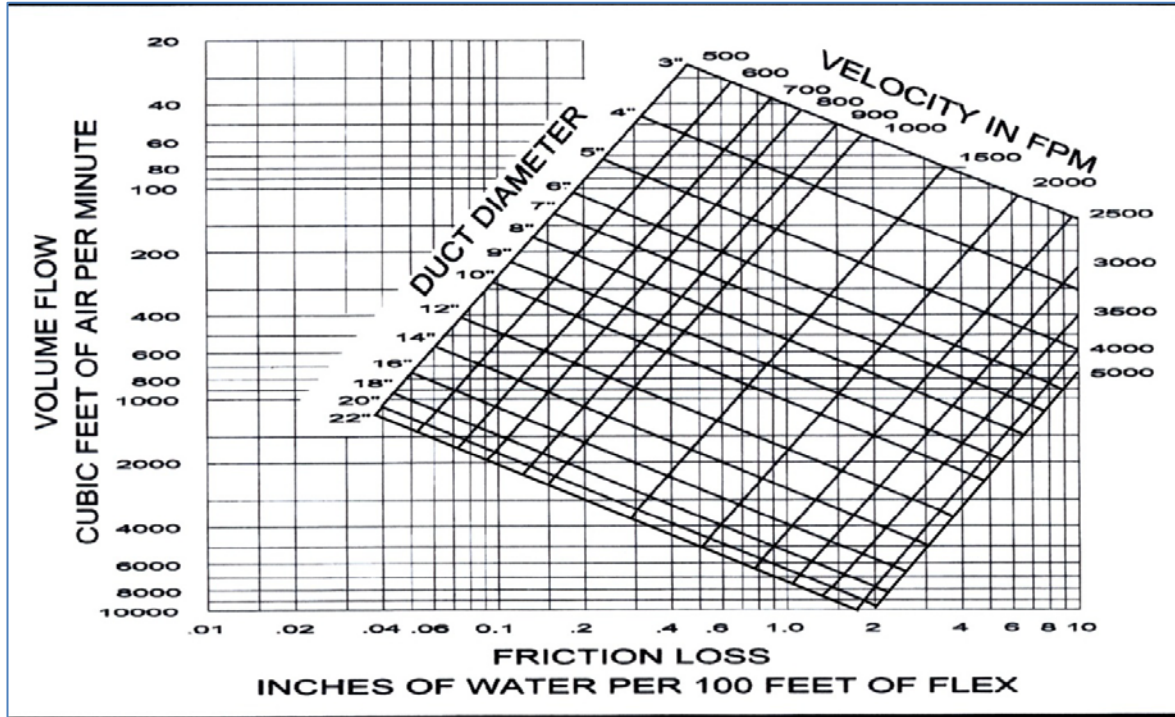
Reduces Flex Duct installed cost by 12%  
UL Listed & Labeled  
Guaranteed out of package lengths  
10 Year limited warranty  
GREENGUARD Gold Certification  
Formaldehyde free (see [www.jpflex.com](http://www.jpflex.com) for more info)  
3/8" oversize inner core  
Certified R-Values

### 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.