



# MHP-45R8

## Insulated Class 1 Flexible Air Duct

### PRODUCT DATA & SUBMITTAL

#### PHYSICAL DESCRIPTION

**MHP-45** (45' length) flexible duct is constructed with a spring steel wire helix, encapsulated in a 2-ply, air-tight inner core. Fiberglass R8 insulation encompasses the core and a unique metalized, reinforced vapor barrier surrounds the entire duct.

#### PRODUCT DATA

**Diameter: R8** 4",5",6",7",8"

**Length:** 45 feet.

**Packaging:** 1 Section per package. To meet thermal properties, packaging complies with recommended 12:1 or less compression ratio. West coast customers will be shipped in cartons. Central customers will be shipped in cartons or polybags. East coast customers will be shipped in polybags only.

**Vapor Barrier:** 2-Ply Reinforced Metalized Polyester.

**End Treatments:** Raw Ended.

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

#### PERFORMANCE DATA

**Thermal Value: R8** 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 Temperature:** -20°F to 140°F Continuous, -20°F to 200°F Intermittent.

**Permeance:** (Vapor – Barrier) 0.01 US Perms per ASTM E96A – 94.

#### FEATURES & BENEFITS

Reduces Flex Duct installed cost by 11%

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

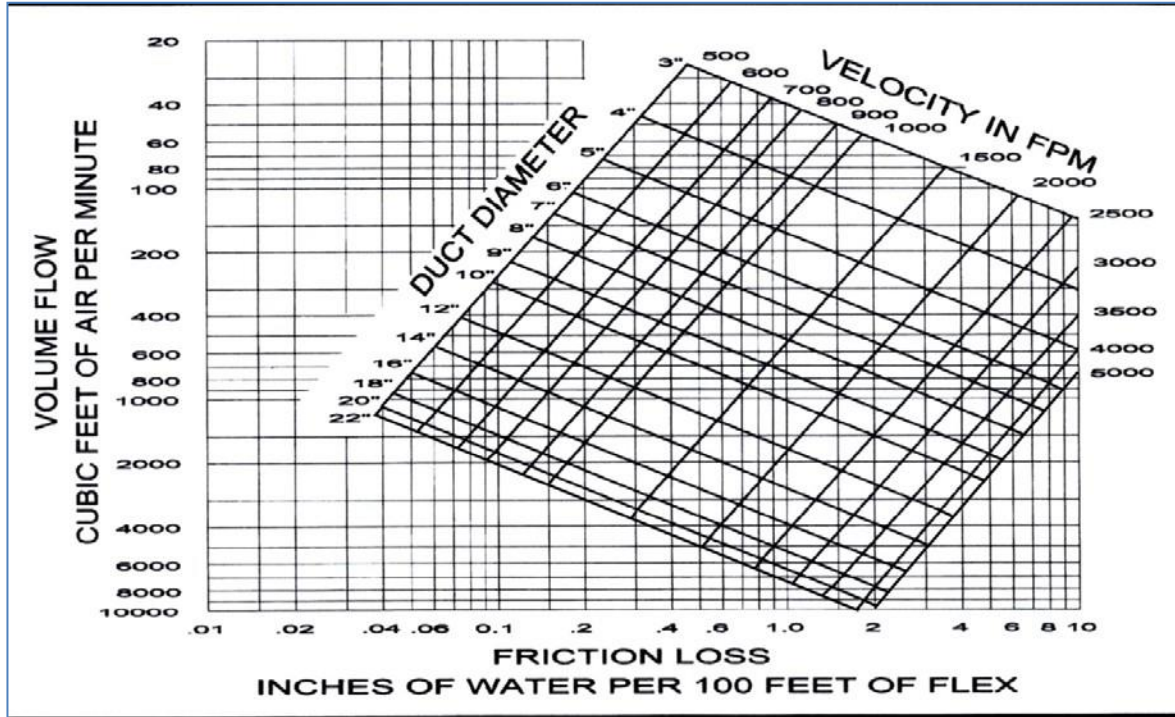
Certified R-Values

#### 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.