

# Flex-Vest

Specifications

June 2007

**Construction:** Inner Layer: Double-ply silicone coated woven fiberglass fabric hose construction with a spring steel wire helix.

Outer Layer: Single-ply neoprene impregnated polyester fabric hose construction reinforced with a spring steel wire helix.

Insulation 1-inch fiberglass insulation (R-value=4)

## Product Features:

- \* Insulated Industrial dryer hose
- \* Combines flexibility with minimal heat loss
- \* Suited for air handling applications at low positive and low negative pressures
- \* Good flexibility
- \* Excellent external abrasion and chemical resistance

**Applications:** Recommended for industrial air movement & fume control applications.

**Temperature Range:** Inner layer: - 65 F to + 550 F, intermittent to 600 F  
Outer layer - 40 F to + 250 F

**Sizes I.D. (inches):** 1, 1.5, 2, 3, 4, 6, and 8 Inch I.D.

**ID Tolerances:** -0.00 to + 0.125 Inch

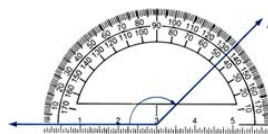
**Standard Length:** 12 Feet, custom to 25 Feet

**Standard Colors:** Inner layer: Iron Oxide Red, Outer Layer: Black

**End Finish:** Plain Cut

**Markets:** Aerospace, Aluminum Refractory, Brick Kilns, Chemical Plants, Cold Air Supply, Diesel/Engine Exhaust, Dryer Hose, Exhaust Systems, Foundries, Fume Exhaust, Garage Exhaust, Glass Drying, Heater, High Temperature Applications, Plastic Bag Machines, Plastics Industry, Safety Equipment, Ventilation

Rubber-Cal, Inc.  
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Engineering & Technical Data  
June 2007

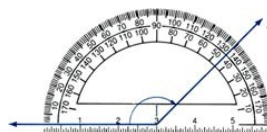
Size Inside Diameter (Inches)	Approximate Weight Lbs./ft.	Min Centerline Bend Radius (Inches)	Compression Ratio	Max Recommended Negative Pressure (IN./HG)	Max Recommended Positive Pressure (PSI)
1	0.12	1.2	3 to 1	29	30
1.5	0.17	1.8	3 to 1	29	30
2	0.25	2	3 to 1	29	30
2.5	0.3	2.3	3 to 1	29	30
3	0.33	2.5	3 to 1	29	30
3.5	0.4	2.5	3 to 1	29	30
4	0.48	3	5 to 1	27	30
4.5	0.54	3.2	5 to 1	20	30
6	0.62	4	5 to 1	9	19
8	0.79	4	5 to 1	9	14

Note: Technical data based on 2 ft. straight lengths of hose 72 F.

**Disclaimer:** The proper use and maintenance of the hose and/or duct is the sole responsibility of the purchaser and ultimate user of the product. This information is presented as a general guide only. The number of variables which can be present in any application make firm recommendations impossible. Adequate testing under actual service conditions is necessary to properly establish suitability. We take pride in the quality of all of our products and we welcome comments and suggestions from our customers.

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