



## ENGINEERING AND TECHNICAL DATA

Flexadux® PV R-3

October 2008

**Construction:** Heavy weight PVC hose reinforced with a coated spring steel wire helix (sizes 14" I.D. & above not available with a coated wire)



### **Product Features:**

- Excellent internal & external abrasion resistance
- Good chemical & moisture resistance
- Excellent choice for ventilation applications, dust & fume removal
- Blue is listed as UL 94V-0 flame retardant
- Clear is manufactured with FDA acceptable materials
- Wall Thickness = .035" (1 1/4" to 3 1/2"), .045" (4" & above)
- Available in metric sizes, consult sales team on pricing & minimums

**Applications:** Recommended for light bulk material handling applications.

**Temperature Range:** 20°F to 160°F

**Diameter Range (Inches I.D.):** 1.25-16.00 Inch I.D., Custom to 24.00 Inch I.D.

**Standard Length:** 25 & 50 Feet

**I.D. Tolerances (Inches):** To 8 Inch: -0.00 to +0.125 Inch  
8 Inch and over: -0.00 to +0.250 Inch

**Standard Color:** Blue and Clear

**End Finish:** Plain Cut

**Markets:** •Abrasion Resistance •Aluminum Refractory •Chemical Fumes •Dust Collection •Flame Retardant •Food Grade •Granule Transport •Landfill Venting •Lawn & Leaf Collection •Meat Packing •Pharmaceutical •Powder & Bulk •Sand & Gravel Suction •Shipyards •Shredders •Starch Transfer •Suction Hose •Textile Mills •Wave Pool Blowers •Welding •Woodworking/Furniture Industries



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SIZE INSIDE DIMENSION (INCHES)	APPROXIMATE WEIGHT (LBS./FT.)	MINIMUM CENTERLINE BEND RADIUS (INCHES)	COMPRESSION RATIO	MAXIMUM RECOMMENDED NEGATIVE PRESSURE (IN./HG.)	MAXIMUM RECOMMENDED POSITIVE PRESSURE (PSI)
1.25	.3	1.4	2:1	29	30
1.5	.36	1.5	2:1	29	30
2	.46	2.42	2:1	29	30
2.5	.54	2.84	2:1	29	30
3	.65	3.25	2:1	28	20
4	.91	4.42	2:1	29	20
5	1.13	5.53	2:1	16	17
6	1.36	6.63	2:1	8	15
7	1.58	7.17	2:1	5	13
8	1.8	7.7	2:1	3	11
10	2	9.92	2.5:1	3	8
12	2.4	12	2.5:1	2	7
14*	2.9	14	2.5:1	1.27	6
16*	3.3	16	2.5:1	.70	5

\*Wire not coated

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

Disclaimer: The proper use and maintenance of hose and/or duct manufactured by Flexaust 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 Flexaust products and we welcome comments and suggestions from our customers.



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