



**ENGINEERING AND TECHNICAL DATA**  
**Flex-Tube® PU**  
**March 2011**

**Construction:** Medium weight coextruded thermoplastic ether based polyurethane hose with a rigid external ABS helix



**Product Features:**

- “ Ultra smooth interior assures efficient airflow
- “ Great abrasion resistance
- “ Excellent wear performance
- “ Puncture & tear resistant with high tensile strength
- “ Good low temperature flexibility
- “ Crush resistant
- “ Spiral co-extruded engineered construction
- “ Helix acts as a wearstrip
- “ Excellent hydrolysis & microbial resistance
- “ Wall Thickness = .032+(2+), .033" (3" to 5+), .035+(6" to 8+), .040+(9+to 10+)
- “ OEM lengths & colors available

**Applications:** Recommended for dust control and light bulk material handling applications.

**Temperature Range:** -40°F to 200°F

**Diameter Range (Inches I.D.):** 2.50-10.00 Inch I.D.

**Standard Length:** 12 & 25 Feet

**I.D. Tolerances (Inches):** To 10 Inch: -0.00 to +0.125 Inch

**Standard Color:** Clear with yellow helix

**End Finish:** Plain Cut

**Markets:** “Abrasion Resistance “Cotton Pickers “Dust Collection “Exhaust Systems “Foundry Sand Transfer “Fume Exhaust “Lawn & Leaf Collection “Material Handling “Peat Moss Vacuum “Pharmaceutical “Plastics Industry “Plastic Pellet Transfer “Sand & Gravel Suction “Sand Blasting “Straw Blowing “Street & Parking Lot Sweepers “Ventilation “Woodworking/Furniture Industries



A **SCHAUBURG** HOSE TECHNOLOGY COMPANY

1510 Armstrong Road, P.O. Box 4275  
Warsaw, IN 46581-4275

Telephone 574-267-7909 • Toll Free 800-343-0428 • Fax 574-269-7491 • Toll Free Fax 800-382-8464  
sales@flexaust.com • www.flexaust.com



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<b>SIZE INSIDE DIMENSION (INCHES)</b>	<b>APPROXIMATE WEIGHT (LBS./FT.)</b>	<b>MINIMUM CENTERLINE BEND RADIUS (INCHES)</b>	<b>COMPRESSION RATIO</b>	<b>MAXIMUM RECOMMENDED NEGATIVE PRESSURE (IN./HG.)</b>	<b>MAXIMUM RECOMMENDED POSITIVE PRESSURE (PSI)</b>
2.5	.4	3.7	1.5:1	28	35
3	.46	3.7	1.7:1	26	32
4	.75	6	1.5:1	20	28
5	.83	5.5	2:1	16	23
6	.92	6.5	2:1	10	24
7	1.16	7.5	2:1	9	21
8	1.32	8.5	2:1	8	22
9	1.53	9.25	2:1	7	20
10	1.65	9.5	2.25:1	6	16

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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