

# Arctic Duct III

Specifications

June 2007

**Construction:** Two single-ply PVC vinyl coated yellow polyester fabric plies protecting an insulation barrier with a black external wearstrip reinforced with a spring steel wire helix.

**Product Features:**

- \* Ideal use for permanent and mobile air conditioning units
- \* PVC material resists ozone, UV rays, and moisture
- \* Compressibility allows for convenient storage
- \* Wearstrip offers additional external abrasion & drag resistance
- \* Other Arctic Duct construction available with different materials
- \* Manufactured with flame retardant materials
- \* Made with sewn cuff on each end

**Applications:** Recommended for industrial air movement applications.

**Temperature Range:** - 20 F to + 180 F

**Sizes I.D. (inches):** 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, and 24 Inch I.D.  
Custom ID sizes 26, 28, 30, 32, 34, and 36

**ID Tolerances:** - 0.00 to + 0.250 Inch

**Standard Length:** 25 Feet

**Standard Colors:** Yellow with black wearstrip  
Custom colors: Olive Drab, Desert Tan, Blue, White

**End Finish:** Cuffs standard on each end

**Markets:** A/C Ventilation, Chiller, Function Tent HVAC, HVAC, Plastic Bag Machines, Shipyards, Thermo Insulated Hose

Rubber-Cal, Inc.  
3012 S. Croddy Way,  
Santa Ana, CA 92704  
800-370-9152

[www.ducting.com](http://www.ducting.com)



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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)
6	0.585	3.57	5 to 1	5.5	3.3
8	0.91	4.7	5 to 1	6	2.47
10	1.12	6	5 to 1	3	1.98
12	1.34	8	5 to 1	1.8	1.66
14	1.518	8.5	5 to 1	1.17	1.42
16	1.727	9.6	5 to 1	0.8	1.25
18	1.936	11	5 to 1	0.6	1.11
20	2.145	12	5 to 1	0.4	1
24	2.564	14	5 to 1	0.25	0.85

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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