

# Novaflex®

# Thermoplastic Urethane Duct

## TPUW

This duct's special molecular bonded construction means less turbulence for maximum flow efficiency. This lightweight, flexible duct will perform under the toughest conditions including low temperatures, oil and ozone and fungus. It is extremely flexible with excellent shape retention and is highly compressible for easier storage and transportation. Manufactured with FDA approved materials.

### Applications

Sawdust collection  
Latory waste  
Pellet, material transfer  
Excellent low temperature flexibility  
Abrasion, oil and ozone and fungus resistant

### Construction

Product code: 9SFTPUW  
9SFTPUW (with wire)  
Material: 0.030" clear extruded urethane  
Diameters: 1.5" to 24"  
Wweight: 6" I.D.= 0.84 lbs/ft  
Lengths: 25 & 50 ft. to 8" diam., 25'-10" diam. and up  
Compression Ratio: 2:1  
Temperature range: -65°F (-54°C) to +200°F (+93°C)  
Colour: Clear with clear helix

\*(Available with and without encapsulated wire)



Size ID (in)	Min in. for 90° Bend	Bend Radius	Friction Loss Straight Run 100' (in Wg)	Friction Loss 90° 100' (in Wg)	Positive W. P. (PSIG)	Neg. W.P. (vacuum rating in Hg)	Wgt (per foot)	Crush Tests ½ ID (lbs per foot)
2"	9.5"	3.0"	1.72	1.84	22	29	0.44	780
3"	10.0"	3.5"	1.62	1.74	20	29	0.47	660
4"	11.5"	4.0"	1.29	1.42	18	26	0.56	510
5"	13.5"	5.0"	1.19	1.3	18	21	0.7	400
6"	14.5"	5.5"	1.17	1.28	16	16	0.84	350
8"	19.0"	7.0"	0.74	0.75	16	6	1.12	310
10"	21.0"	8.5"	0.71	0.73	14	5	1.24	270
12"	23.0"	9.5"	0.68	0.7	14	4.5	1.37	265

The above data is provided as a general guide only. Friction loss through flexible ducting is dependent on the diameter, length, values, inner wall surface, general duct construction and number of bends. Friction loss values were obtained using 100 ft straight runs with an air velocity of 3,500 FPM.

The information provided within is for informational purposes only. We have made every effort to ensure the accuracy of the provided information and assume no responsibility for any loss or damage due to errors or omissions or to the use or misuse of any information supplied. It is impossible to test all products under all conditions to which they might be subjected in the field. It is therefore the buyer and/or end users' responsibility to test all products under the conditions that duplicate the service conditions prior to installation. All improvements, all specifications are subject to change without prior notice. It is the buyer and/or end users' responsibility to review our complete Terms and Conditions of Sale located on our web sites at: [www.novaflex.com](http://www.novaflex.com) | [www.z-flex.com](http://www.z-flex.com) | [www.flexmaster.com](http://www.flexmaster.com).

10.2020

## IN USA

### North Carolina

449 Trollingwood Road  
Haw River, NC 27258  
tel (336)578-2161  
fax (336)578-5554  
800-334-4270

### New Jersey

1024 Industrial Drive  
West Berlin, NJ 08091  
tel (856)768-2275  
fax (856)768-2385  
800-225-0215

### Indianapolis

7812 Moller Road  
Indianapolis, IN 46268  
tel (317)334-1444  
fax (317)334-1535  
800-526-6288

## IN CANADA

### Ajax, Ontario

555 Beck Crescent  
Ajax, ON L1Z 1C9  
tel (905)686-5200  
fax (905) 686-8349  
800-563-3539

## IN U.K.

### Bromborough, Wirral

18 Plantation Park 2, Power Road  
Bromborough, Wirral UK CH62 3QT  
tel 44(0)151-334-0873  
fax 44(0)151-334-7145  
www.novaflex.co.uk Email: sales@novaflex.co.uk