

# 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.

#### Novaflex TPUW offers

- Maximum abrasion resistance
- Superior tear resistance and high tensile strength
- Clear construction for visual monitoring
- Excellent low temperature flexibility
- Good chemical resistance, food grade

#### Specifications

Temperature range: -65°F to +200°F

Lengths: 25 & 50 ft

Sizes: 2" to 12" (larger sizes available on request)

Half inch sizes: 1½", 2½", 3½", 4½" and 5½".

Compression ratio: 2:1

Clear with clear helix. FDA material

(Available with and without encapsulating 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.

All hose and duct manufactured by Novaflex are warranted to be free from all defects in material and workmanship. It is impossible to test Novaflex hose and duct 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 Novaflex hose and duct under conditions that duplicate the service conditions prior to installation.

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