

# Engineering Specs

## Pressure Equivalents

1 psi = 27.7 inches w.g.

1 psi = 2.04 inches of mercury (Hg)

1 inch of mercury (Hg) = 13.6 inches w.g.

1 inch of mercury (Hg) = 0.491 psi

## Temperature Conversion

$^{\circ}\text{F} = (^{\circ}\text{C} \times 1.8) + 32$

$^{\circ}\text{C} = 0.555 (^{\circ}\text{F} - 32)$

## Inch/Metric Size Conversion Table

Inches	cm	mm
1.00	2.5	25.4
1.25	3.2	31.8
1.50	3.8	38.1
2.00	5.1	50.8
2.36	6.0	60.0
2.50	6.4	63.5
2.95	7.5	75.0
3.00	7.6	76.2
3.94	10.0	100.0
4.00	10.2	101.6
4.72	12.0	120.0
5.00	12.7	127.0
6.00	15.2	152.4
6.30	16.0	160.0
7.00	17.8	177.8
7.09	18.0	180.0
8.00	20.3	203.2
10.00	25.4	254.0
12.00	30.5	304.8
14.00	35.6	355.6
16.00	40.6	406.4
18.00	45.7	457.2

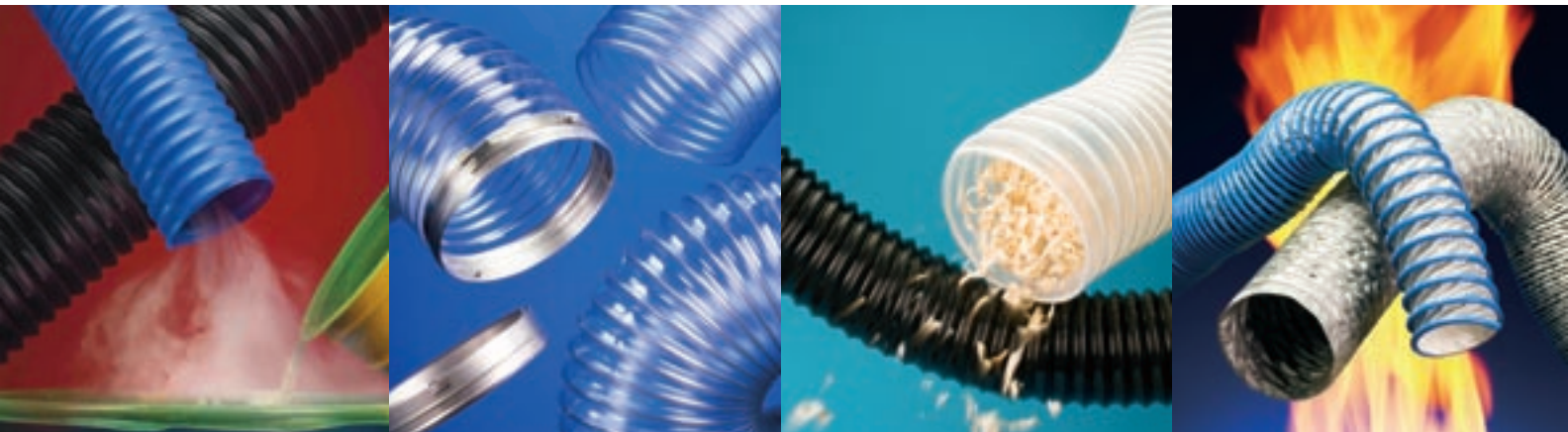
## Temperature Conversion Table

$^{\circ}\text{F}$	$^{\circ}\text{C}$
-65	-53.9
-40	-40.0
-20	-28.9
0	-17.8
20	-6.7
32	0.0
40	4.4
60	15.6
80	26.7
100	37.8
125	51.7
150	65.6
175	79.4
200	93.3
212	100.0
225	107.2
250	121.1
300	148.9
325	162.8
350	176.7
400	204.4
450	232.2
500	260.0
550	287.8

Inches Mercury	Inches Water	Lbs. Per Square In.
29	394.4	14.2
26	353.6	12.7
24	326.4	11.8
22	299.2	10.8
20	272.0	9.8
18	244.8	8.8
16	217.6	7.8
14	190.4	6.9
12	163.2	5.9
10	136.0	4.9
8	108.8	3.9
6	81.6	2.9
4	54.4	2.0
2	27.2	1.0
1	13.6	0.5
0.5	6.8	0.25

Inches Water	Inches Mercury	Lbs. Per Square In.
100	7.35	3.61
90	6.62	3.25
80	5.88	2.89
70	5.15	2.53
60	4.41	2.17
50	3.68	1.81
40	2.94	1.44
30	2.21	1.08
20	1.47	0.72
10	0.74	0.36
0	0.00	0.00

All data based on average approximation.



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