

# FRP Duct

## FRP Pipe

- Ershings' FRP duct can be provided with contact molded or filament wound construction.
- Thicknesses shown include a 100 mil structural corrosion liner.
- Pressure ratings for contact molded duct are based on a 10 to 1 safety factor.
- Pressure ratings for filament wound duct are based on a strain of .001 in/in.
- Vacuum ratings are based on a 5 to 1 safety factor.
- Thicknesses shown are recommended minimums. Systems should be designed for actual operating conditions.

### Contact Molded Duct

Dia	Thk	Wt	Vac	Press
4	.14	1.3	329	1744
6	.14	1.9	97	1162
8	.14	2.6	41	872
10	.14	3.2	21	697
12	.14	3.8	12	581
14	.14	4.5	7	498
16	.14	5.1	5	436
Stiffeners on 10 ft centers are placed on 18 in. dia and larger duct.				
18	.14	5.7	6	732
20	.14	6.4	5	658
24	.18	9.8	7	705
26	.18	10.7	7	651
28	.18	11.5	6	605
30	.18	12.3	5	564
36	.18	14.7	5	470
42	.22	21.0	6	493
48	.22	24.0	5	431
54	.22	27.0	4	383
60	.22	30.0	3	345

Dimensions are in inches.  
 Pressure and vacuum ratings are in inches water gauge.  
 Weights are in lb per ft and are based on a laminate density of .06 lb/in.<sup>3</sup>.

### Filament Wound Duct

Dia	Thk	Wt	Vac	Press
4	.21	2.3	3394	4941
6	.21	3.4	1005	3294
8	.21	4.5	424	2470
10	.21	5.7	217	1976
12	.21	6.8	125	1647
14	.21	7.9	79	1411
16	.21	9.0	53	1235
Stiffeners on 10 ft centers are placed on 18 in. dia and larger duct.				
18	.21	10.1	54	1098
20	.21	11.2	46	988
24	.21	13.4	35	823
26	.21	14.5	31	760
28	.21	15.6	28	705
30	.21	16.7	25	658
36	.21	20.1	19	549
42	.26	29.0	26	582
48	.26	33.1	21	585
54	.26	37.2	18	453
60	.26	41.3	15	407

Dimensions are in inches.  
 Pressure and vacuum ratings are in inches water gauge.  
 Weights are in lb per ft and are based on a laminate density of .07 lb/in.<sup>3</sup>.

