★ BAILIFF ENTERPRISES, INC. ★

STRAPPING CHART

20,000 GALLON HDPE VERTICAL TANK · VTN20000-165

Listed capacity	Diameter	Straight sidewall	Overall height	Gallons per inch	Resin
20,000 gal	165"	216"	239"	92.00	HDPE

Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
1	92	**41**	3,772	**81**	7,452	**121**	11,133
2	184	**42**	3,864	**82**	7,544	**122**	11,225
3	276	**43**	3,956	**83**	7,636	**123**	11,317
4	368	**44**	4,048	**84**	7,728	**124**	11,409
5	460	**45**	4,140	**85**	7,820	**125**	11,501
6	552	**46**	4,232	**86**	7,912	**126**	11,593
7	644	**47**	4,324	**87**	8,004	**127**	11,685
8	736	**48**	4,416	**88**	8,096	**128**	11,777
9	828	**49**	4,508	**89**	8,188	**129**	11,869
10	920	**50**	4,600	**90**	8,280	**130**	11,961
11	1,012	**51**	4,692	**91**	8,372	**131**	12,053
12	1,104	**52**	4,784	**92**	8,464	**132**	12,145
13	1,196	**53**	4,876	**93**	8,556	**133**	12,237
14	1,288	**54**	4,968	**94**	8,648	**134**	12,329
15	1,380	**55**	5,060	**95**	8,740	**135**	12,421
16	1,472	**56**	5,152	**96**	8,832	**136**	12,513
17	1,564	**57**	5,244	**97**	8,924	**137**	12,605
18	1,656	**58**	5,336	**98**	9,016	**138**	12,697
19	1,748	**59**	5,428	**99**	9,108	**139**	12,789
20	1,840	**60**	5,520	**100**	9,200	**140**	12,881
21	1,932	**61**	5,612	**101**	9,292	**141**	12,973
22	2,024	**62**	5,704	**102**	9,384	**142**	13,065
23	2,116	**63**	5,796	**103**	9,476	**143**	13,157
24	2,208	**64**	5,888	**104**	9,568	**144**	13,249
25	2,300	**65**	5,980	**105**	9,660	**145**	13,341
26	2,392	**66**	6,072	**106**	9,752	**146**	13,433
27	2,484	**67**	6,164	**107**	9,844	**147**	13,525
28	2,576	**68**	6,256	**108**	9,937	**148**	13,617
29	2,668	**69**	6,348	**109**	10,029	**149**	13,709
30	2,760	**70**	6,440	**110**	10,121	**150**	13,801
31	2,852	**71**	6,532	**111**	10,213	**151**	13,893
32	2,944	**72**	6,624	**112**	10,305	**152**	13,985
33	3,036	**73**	6,716	**113**	10,397	**153**	14,077
34	3,128	**74**	6,808	**114**	10,489	**154**	14,169
35	3,220	**75**	6,900	**115**	10,581	**155**	14,261
36	3,312	**76**	6,992	**116**	10,673	**156**	14,353
37	3,404	**77**	7,084	**117**	10,765	**157**	14,445
38	3,496	**78**	7,176	**118**	10,857	**158**	14,537
39	3,588	**79**	7,268	**119**	10,949	**159**	14,629
40	3,680	**80**	7,360	**120**	11,041	**160**	14,721

BAILIFF ENTERPRISES, INC. ♦ 305 E. Rogers Road ♦ Willis, TX 77378
Contact Dan Miller ♦ 936-228-1520 ♦ dmiller@plasticstoragetanks.com

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STRAPPING CHART

20,000 GALLON HDPE VERTICAL TANK · VTN20000-165

Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
161	14,813	**175**	16,101	**189**	17,389	**203**	18,677
162	14,905	**176**	16,193	**190**	17,481	**204**	18,769
163	14,997	**177**	16,285	**191**	17,573	**205**	18,861
164	15,089	**178**	16,377	**192**	17,665	**206**	18,953
165	15,181	**179**	16,469	**193**	17,757	**207**	19,045
166	15,273	**180**	16,561	**194**	17,849	**208**	19,137
167	15,365	**181**	16,653	**195**	17,941	**209**	19,229
168	15,457	**182**	16,745	**196**	18,033	**210**	19,321
169	15,549	**183**	16,837	**197**	18,125	**211**	19,413
170	15,641	**184**	16,929	**198**	18,217	**212**	19,505
171	15,733	**185**	17,021	**199**	18,309	**213**	19,597
172	15,825	**186**	17,113	**200**	18,401	**214**	19,689
173	15,917	**187**	17,205	**201**	18,493	**215**	19,781
174	16,009	**188**	17,297	**202**	18,585	**216**	**19,873**

How to read it: measure the liquid depth straight down from the surface to the inside bottom of the tank, in inches, and read the gallons beside it. The chart runs to the top of the straight sidewall (216", in red).

Above the sidewall: the dome above the straight wall holds more, and the tank may be filled "brim full" with care. That extra volume is not charted.

Accuracy: calculated from the tank's dimensions with a nominal 1/4" wall. HDPE can expand or contract up to 3% (mostly with temperature), and wall thickness varies from tank to tank, so actual volume can differ from this chart by a few percent. The first inch near the bottom corner holds slightly less than shown. Use the chart as a close guide, not for custody transfer or billing.

Dimensions from the Norwesco drawing VTN20000-165.pdf. All dimensions in inches.

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