★ BAILIFF ENTERPRISES, INC. ★

STRAPPING CHART

8,400 GALLON HDPE VERTICAL TANK · VTN08400-120-TX-AL

Listed capacity	Diameter	Straight sidewall	Overall height	Gallons per inch	Resin
8,400 gal	120"	167.44"	184"	48.55	HDPE

Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
1	49	**41**	1,991	**81**	3,933	**121**	5,875
2	97	**42**	2,039	**82**	3,981	**122**	5,923
3	146	**43**	2,088	**83**	4,030	**123**	5,972
4	194	**44**	2,136	**84**	4,078	**124**	6,021
5	243	**45**	2,185	**85**	4,127	**125**	6,069
6	291	**46**	2,233	**86**	4,176	**126**	6,118
7	340	**47**	2,282	**87**	4,224	**127**	6,166
8	388	**48**	2,331	**88**	4,273	**128**	6,215
9	437	**49**	2,379	**89**	4,321	**129**	6,263
10	486	**50**	2,428	**90**	4,370	**130**	6,312
11	534	**51**	2,476	**91**	4,418	**131**	6,360
12	583	**52**	2,525	**92**	4,467	**132**	6,409
13	631	**53**	2,573	**93**	4,515	**133**	6,458
14	680	**54**	2,622	**94**	4,564	**134**	6,506
15	728	**55**	2,670	**95**	4,613	**135**	6,555
16	777	**56**	2,719	**96**	4,661	**136**	6,603
17	825	**57**	2,768	**97**	4,710	**137**	6,652
18	874	**58**	2,816	**98**	4,758	**138**	6,700
19	923	**59**	2,865	**99**	4,807	**139**	6,749
20	971	**60**	2,913	**100**	4,855	**140**	6,797
21	1,020	**61**	2,962	**101**	4,904	**141**	6,846
22	1,068	**62**	3,010	**102**	4,952	**142**	6,894
23	1,117	**63**	3,059	**103**	5,001	**143**	6,943
24	1,165	**64**	3,107	**104**	5,049	**144**	6,992
25	1,214	**65**	3,156	**105**	5,098	**145**	7,040
26	1,262	**66**	3,204	**106**	5,147	**146**	7,089
27	1,311	**67**	3,253	**107**	5,195	**147**	7,137
28	1,359	**68**	3,302	**108**	5,244	**148**	7,186
29	1,408	**69**	3,350	**109**	5,292	**149**	7,234
30	1,457	**70**	3,399	**110**	5,341	**150**	7,283
31	1,505	**71**	3,447	**111**	5,389	**151**	7,331
32	1,554	**72**	3,496	**112**	5,438	**152**	7,380
33	1,602	**73**	3,544	**113**	5,486	**153**	7,429
34	1,651	**74**	3,593	**114**	5,535	**154**	7,477
35	1,699	**75**	3,641	**115**	5,584	**155**	7,526
36	1,748	**76**	3,690	**116**	5,632	**156**	7,574
37	1,796	**77**	3,739	**117**	5,681	**157**	7,623
38	1,845	**78**	3,787	**118**	5,729	**158**	7,671
39	1,894	**79**	3,836	**119**	5,778	**159**	7,720
40	1,942	**80**	3,884	**120**	5,826	**160**	7,768

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STRAPPING CHART

8,400 GALLON HDPE VERTICAL TANK · VTN08400-120-TX-AL

Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
161	7,817	**163**	7,914	**165**	8,011	**167**	8,108
162	7,866	**164**	7,963	**166**	8,060	**167.44**	**8,130**

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 (167.44", in red). The listed 8,400 gallons includes part of the dome; at the top of the straight sidewall the tank holds about 8,130 gallons.

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 VTN08400-120-TX-AL.pdf. All dimensions in inches.

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