★ BAILIFF ENTERPRISES, INC. ★

STRAPPING CHART

10,000 GALLON HDPE CONE BOTTOM TANK · CBTN10000-142

Listed capacity	Diameter	Cone depth	Sidewall top	Gallons per inch	Resin
10,000 gal	142"	19.5"	154.03"	68.07	HDPE

Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
1	1	**33**	1,417	**65**	3,596	**97**	5,774
2	3	**34**	1,485	**66**	3,664	**98**	5,842
3	6	**35**	1,553	**67**	3,732	**99**	5,910
4	10	**36**	1,622	**68**	3,800	**100**	5,978
5	17	**37**	1,690	**69**	3,868	**101**	6,046
6	25	**38**	1,758	**70**	3,936	**102**	6,114
7	36	**39**	1,826	**71**	4,004	**103**	6,183
8	50	**40**	1,894	**72**	4,072	**104**	6,251
9	66	**41**	1,962	**73**	4,140	**105**	6,319
10	86	**42**	2,030	**74**	4,208	**106**	6,387
11	110	**43**	2,098	**75**	4,276	**107**	6,455
12	137	**44**	2,166	**76**	4,345	**108**	6,523
13	169	**45**	2,234	**77**	4,413	**109**	6,591
14	205	**46**	2,302	**78**	4,481	**110**	6,659
15	246	**47**	2,370	**79**	4,549	**111**	6,727
16	292	**48**	2,438	**80**	4,617	**112**	6,795
17	344	**49**	2,506	**81**	4,685	**113**	6,863
18	401	**50**	2,575	**82**	4,753	**114**	6,931
19	464	**51**	2,643	**83**	4,821	**115**	6,999
20	532	**52**	2,711	**84**	4,889	**116**	7,068
21	600	**53**	2,779	**85**	4,957	**117**	7,136
22	668	**54**	2,847	**86**	5,025	**118**	7,204
23	737	**55**	2,915	**87**	5,093	**119**	7,272
24	805	**56**	2,983	**88**	5,161	**120**	7,340
25	873	**57**	3,051	**89**	5,230	**121**	7,408
26	941	**58**	3,119	**90**	5,298	**122**	7,476
27	1,009	**59**	3,187	**91**	5,366	**123**	7,544
28	1,077	**60**	3,255	**92**	5,434	**124**	7,612
29	1,145	**61**	3,323	**93**	5,502	**125**	7,680
30	1,213	**62**	3,391	**94**	5,570	**126**	7,748
31	1,281	**63**	3,460	**95**	5,638	**127**	7,816
32	1,349	**64**	3,528	**96**	5,706	**128**	7,884

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Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
129	7,953	**136**	8,429	**143**	8,906	**150**	9,382
130	8,021	**137**	8,497	**144**	8,974	**151**	9,450
131	8,089	**138**	8,565	**145**	9,042	**152**	9,518
132	8,157	**139**	8,633	**146**	9,110	**153**	9,586
133	8,225	**140**	8,701	**147**	9,178	**154**	9,654
134	8,293	**141**	8,769	**148**	9,246	**154.03**	**9,656**
135	8,361	**142**	8,838	**149**	9,314		

How to read it: measure the liquid depth straight down from the surface to the lowest point inside the cone (the outlet), in inches, and read the gallons beside it. Gallons per inch grow quickly through the cone (the first 19.5") and change little above it. The chart runs to the top of the straight sidewall (154.03", in red). The listed 10,000 gallons includes part of the dome; at the top of the straight sidewall the tank holds about 9,656 gallons.

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

Accuracy: calculated from the tank's shape 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, most of all in the first inches of the cone. Use the chart as a close guide, not for custody transfer or billing.

Shape from the tank's 3D model; dimensions as on the Norwesco drawing CBTN10000-142-15deg.pdf. All dimensions in inches.

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