★ BAILIFF ENTERPRISES, INC. ★

STRAPPING CHART

7,500 GALLON HDPE CONE BOTTOM TANK · CBTN07500-141

Listed capacity	Diameter	Cone depth	Sidewall top	Gallons per inch	Resin
7,500 gal	141"	37"	128.37"	67.11	HDPE

Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
1	1	**33**	672	**65**	2,797	**97**	4,945
2	2	**34**	729	**66**	2,864	**98**	5,012
3	3	**35**	789	**67**	2,931	**99**	5,079
4	5	**36**	852	**68**	2,998	**100**	5,146
5	8	**37**	918	**69**	3,065	**101**	5,213
6	11	**38**	985	**70**	3,133	**102**	5,280
7	16	**39**	1,052	**71**	3,200	**103**	5,347
8	21	**40**	1,119	**72**	3,267	**104**	5,415
9	27	**41**	1,186	**73**	3,334	**105**	5,482
10	34	**42**	1,253	**74**	3,401	**106**	5,549
11	42	**43**	1,320	**75**	3,468	**107**	5,616
12	51	**44**	1,388	**76**	3,535	**108**	5,683
13	62	**45**	1,455	**77**	3,602	**109**	5,750
14	74	**46**	1,522	**78**	3,670	**110**	5,817
15	87	**47**	1,589	**79**	3,737	**111**	5,884
16	102	**48**	1,656	**80**	3,804	**112**	5,951
17	119	**49**	1,723	**81**	3,871	**113**	6,019
18	137	**50**	1,790	**82**	3,938	**114**	6,086
19	157	**51**	1,857	**83**	4,005	**115**	6,153
20	179	**52**	1,924	**84**	4,072	**116**	6,220
21	203	**53**	1,992	**85**	4,139	**117**	6,287
22	229	**54**	2,059	**86**	4,206	**118**	6,354
23	257	**55**	2,126	**87**	4,274	**119**	6,421
24	287	**56**	2,193	**88**	4,341	**120**	6,488
25	320	**57**	2,260	**89**	4,408	**121**	6,556
26	355	**58**	2,327	**90**	4,475	**122**	6,623
27	392	**59**	2,394	**91**	4,542	**123**	6,690
28	432	**60**	2,461	**92**	4,609	**124**	6,757
29	474	**61**	2,529	**93**	4,676	**125**	6,824
30	520	**62**	2,596	**94**	4,743	**126**	6,891
31	567	**63**	2,663	**95**	4,810	**127**	6,958
32	618	**64**	2,730	**96**	4,878	**128**	7,025

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Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons	Depth (in)	Gallons
128.37	7,050						

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 37") and change little above it. The chart runs to the top of the straight sidewall (128.37", in red). The listed 7,500 gallons includes part of the dome; at the top of the straight sidewall the tank holds about 7,050 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 CBTN7500-141.pdf. All dimensions in inches.

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