



FM Blanket Approval

Project ID: 3028871

Approved: 21/11/2007

The sizes of tanks covered in this Approval range in diameter from 15-60ft and in height from 12-40ft.

The roofs are designed to withstand a live load (snow load) of 15psf (0.75kNm^{-2}) and the tank shell designed to withstand a wind load of 100mph in a non-seismic zone (FM Approvals Earthquake Zone > 500).

The range of tanks and their capacities can be seen on the chart overleaf. Intermediate capacities are available when a half height top sheet is provided.

Any tank outside this range – comprehensive details are shown in Appendix B – will not be covered by this Approval and must therefore apply for an individual FM Approval at an addition cost.

Vulcan Tanks Ltd

Cotes Park Lane, Cotes Park Industrial Estate, Alfreton, Derbyshire, DE55 4NJ, UK

T: + 44 (0) 1773 835321 F: + 44 (0) 1773 836578 W: www.cstvulcan.com E: info@cstvulcan.com

Registered Office as above. Company Registration: 2212454 VAT Registration: GB 127 4980 50



FM TANKS - 'BLANKET' APPROVAL - TANK MODEL RANGE - CAPACITY CHART												
No. OF PLATES ROUND			6	7	8	9	10	11	12	13	14	15
ACTUAL DIAMETER (M)			4.650	5.425	6.200	6.975	7.750	8.525	9.300	10.075	10.850	11.625
DIAMETER REF.			15	17	20	22	25	27	30	33	35	38
No. OF RINGS	ACTUAL HEIGHT	HEIGHT REF.	(M³)									
3	3.662	12	57	79	103	130	161	195	231	272	315	362
4	4.862	16	78	107	139	176	217	263	313	368	426	488
5	6.062	20	98	135	175	222	274	332	394	463	536	616
6	7.262	24	118	162	212	268	330	400	476	559	648	744
7	8.462	28	140	190	248	314	387	468	557	655	758	877
8	9.662	32	160	219	285	360	444	537	638	751	869	1005
9	10.862	36	180	248	322	406	501	606	719	847	980	1133
10	12.062	40	200	277	359	452	558	675	800	943	1091	1261

Model Size & Capacity

Examples: Tank Model - 1512
Capacity = 57m³

Tank Model - 4832
Capacity = 1604m³

No. OF PLATES ROUND			16	17	18	19	20	21	22	23	24
ACTUAL DIAMETER (M)			12.400	13.175	13.950	14.725	15.500	16.275	17.050	17.825	18.600
DIAMETER REF.			40	43	45	48	50	53	56	58	60
No. OF RINGS	ACTUAL HEIGHT	HEIGHT REF.	(M³)								
3	3.662	12	410	463	520	578	641	707	775	847	921
4	4.862	16	555	627	703	783	861	956	1049	1146	1247
5	6.062	20	700	790	886	987	1094	1205	1322	1444	1572
6	7.262	24	845	955	1070	1192	1320	1455	1546	1744	1898
7	8.462	28	990	1117	1253	1396	1547	1705	1870	2042	2223
8	9.662	32	1135	1280	1437	1604	1773	1954	2140	2341	2548
9	10.862	36	1280	1443	1621	1812	1999	2204			
10	12.062	40	1425	1606	1805	2020					

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APPROVAL REPORT

APPROVAL OF A RANGE OF BOLTED STEEL SUCTION TANKS

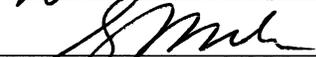
Prepared for:

**Vulcan Tanks Ltd.
Cotes Park Lane
Cotes Park Industrial Estate
Alfreton, Derbyshire
England DE55 4NK**

Project ID: 3028871

Class: 4021

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Authorized by: 

George A. Smith, Assistant Vice President
Director, Materials Group

FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102
Norwood, MA 02062