Fire tanks in accordance with EN 12845

KOHIMEX®

Height of shell (m)	3,67	4,24	4,87	5,44	6,07	6,64	7,27	7,84	8,47	9,04	9,67	10,24	10,87	11,44	12,07	12,64	13,27
Number of rows	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11

Tank diameter (m)	Number of sheets in row	Useable (pumpable) volume in m³															
3,01	4	22	26	31	35	39	43	48	52	56	60	65	69	73	77	82	86	90
3,76	5	35	41	48	54	61	68	75	81	88	95	102	108	115	121	128	135	142
4,52	6	50	59	70	79	89	98	108	117	127	136	146	156	166	175	185	194	204
5,27	7	69	81	95	107	121	133	147	160	173	186	200	212	226	238	252	264	278
6,02	8	88	104	122	138	156	172	190	207	225	241	259	275	293	309	327	343	361
6,78	9	111	132	155	175	198	218	241	262	284	305	328	348	371	391	414	435	457
7,53	10	131	156	184	209	238	263	291	316	344	370	398	423	451	477	505	530	558
8,28	11	159	190	224	255	289	319	353	384	418	449	483	513	547	578	612	642	677
9,03	12	192	228	269	305	346	382	423	459	499	536	576	613	653	690	730	767	807
9,79	13	225	268	315	358	406	448	496	539	586	629	676	719	767	809	857	900	947
10,54	14	261	311	366	415	471	520	575	625	680	729	785	834	889	939	994	1 044	1 099
11,29	15	289	346	409	466	529	586	649	706	770	827	890	947	1 010	1 067	1 130	1 187	1 250
12,05	16	330	395	467	531	603	668	740	805	877	942	1 014	1 078	1 150	1 215	1 287	1 352	1 424
12,80	17	373	446	527	600	681	754	836	909	990	1 063	1 144	1 217	1 299	1 372	1 453	1 526	1 607
13,55	18	412	494	585	667	758	840	931	1 013	1 104	1 186	1 277	1 359	1 450	1 532	1 623	1 705	1 796
14,30	19	461	552	653	745	846	938	1 039	1 130	1 232	1 323	1 425	1 516	1 617	1 709	1 810	1 902	2 003
15,06	20	493	594	706	807	920	1 021	1 134	1 235	1 347	1 448	1 561	1 662	1 775	1 876	1 988	2 089	2 202
15,81	21	559	670	794	906	1 030	1 142	1 266	1 377	1 501	1 613	1 737	1 848	1 972	2 084	2 208	2 319	2 443
16,56	22	607	729	866	988	1 124	1 246	1 383	1 505	1 641	1 763	1 900	2 022	2 158	2 281	2 417	2 539	2 675

Notes:
1. The tanks's basic rows are designed in accordance with the EN 12845 norm and the series of standards EN 1990, EN 1991 and EN 1993.
2. The useable volume of the tank is the net pumpable volume of fire water without the bottom low level and the steel construction of the roof prevents flooding.
3. Tanks are designed for wind loads according to EN 1991-1-4 according to the given locality of the construction, or if the location of the construction is not stated, a wind speed of 25 m/s (wind area II) in terrain III is taken into consideration.
4. The tank roof is designed individually according to the customer's requirements and takes into consideration snow load in accordance with EN 1991-1-3.
5. The tank height is calculated from the concrete foundation (anchor angle) to the upper edge angles.
6. Tanks exceeding the above stated capacities can also be installed.
7. Tanks can also be designed in accordance with different fire safety standards as standard (VdS, NFPA, FM Global, etc.) and atypical tanks can also.