

SPRINKLER TANKS CAPACITY

„MOSTOSTALEX”

Several models of the tank are available for the capacity required. Extensive table of dimensions allow to match and select the tank suitable for the building architecture – fitting free ground area for tank accommodation, total height of the building or dimensions of pumping station.

Table of available storage capacities:

Type	H [m]																	
	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	
D [m]	2,4	3,0	3,6	4,2	4,8	5,4	6,0	6,6	7,2	7,8	8,4	9,0	9,6	10,2	10,8	11,4	12,0	
06	4,675	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
07	5,455	35	50	60	75	90	105	115	130	145	155	170	185	200	210	225	240	255
08	6,235	45	65	80	100	120	135	155	170	190	205	225	245	260	280	295	315	330
09	7,015	60	80	105	130	150	175	195	220	240	265	285	310	330	355	375	400	420
10	7,795	75	105	130	160	185	215	245	270	300	325	355	385	410	440	465	495	525
11	8,575	90	125	160	195	225	260	295	330	365	395	430	465	500	535	565	600	635
12	9,355	110	150	190	230	270	310	350	395	435	475	515	555	595	635	675	715	760
13	10,135	130	175	225	270	320	365	415	460	510	555	605	655	700	750	795	845	890
14	10,915	150	205	260	315	370	425	480	535	590	650	705	760	815	870	925	980	1035
15	11,695	170	235	300	365	425	490	555	615	680	745	810	870	935	1000	1060	1125	1190
16	12,475	195	270	340	415	485	560	630	705	775	850	920	995	1065	1140	1210	1285	1355
17	13,255	220	305	385	470	550	630	715	795	875	960	1040	1120	1205	1285	1370	1450	1530
18	14,035	250	340	435	525	615	710	800	890	985	1075	1170	1260	1350	1445	1535	1625	1720
19	14,815	280	380	485	585	690	790	895	995	1095	1200	1300	1405	1505	1610	1710	1815	1915
20	15,595	310	425	535	650	765	875	990	1105	1215	1330	1445	1555	1670	1785	1900	2010	2125
21	16,375	340	465	590	715	840	965	1090	1215	1345	1470	1595	1720	1845	1970	2095	2220	2345
22	17,155	375	515	650	790	925	1060	1200	1335	1475	1610	1750	1885	2025	2160	2300	2435	2575

Working capacity [m³]

D – diameter [m]

H – height [m]

(type 0807= V100m³, type 1216= V595m³, type 1811= V890m³)

For Customers' convenience, the capacities listed above are working capacities and are automatically reduced by the volume of:

- freeboard
- bottom dead water
- internal insulation (if used)

The tank can be equipped with combination of 2 suction pipes with different inlet level elevation, which configure and split tank capacity into two (or more) water zones of separated applications. In that case, bottom volume will be the master source of water. For example, sprinkler tank can be applied for technological water storage simultaneously.

In accordance to fire protection definitions and standards, working capacity is calculated excluding bottom dead-water, i.e. certain water column height counting from tank bottom. This volume is real water mass and for foundation base water weight loading design it has to be added to tabled working capacity.