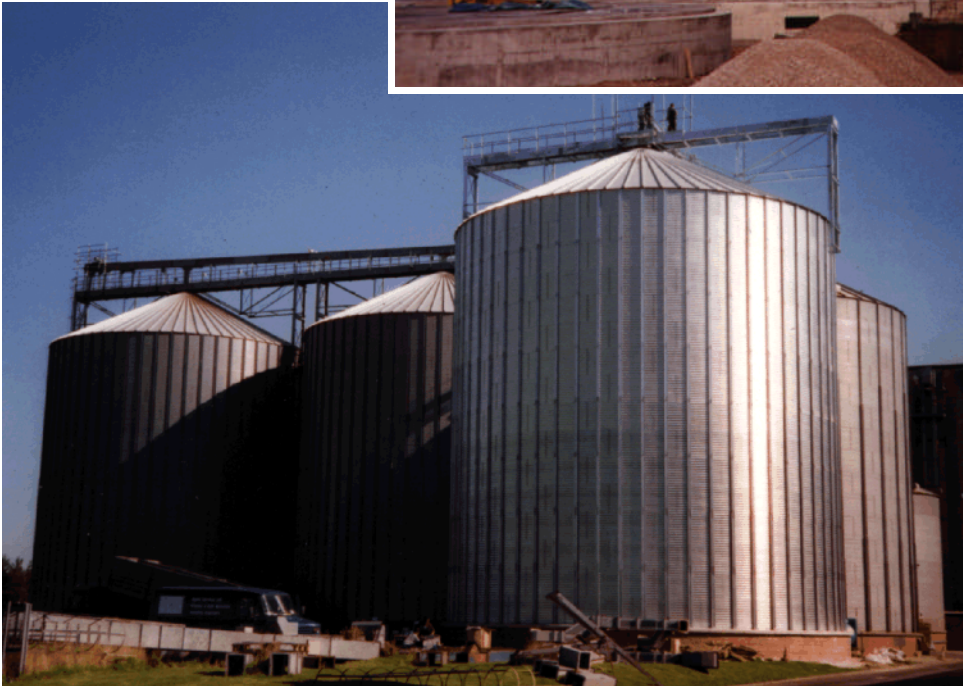


CORRUGATED SILOS



Agora Services Limited



CORRUGATED SILOS

Silos from 6 - 11,370 tonne capacity at 0.8 density.

Standard features

- Galvanised corrugated steel sheets (450 g/m²).
- Shallow corrugation - pitch 104 x 12mm.
- Sheet thickness 0.75 to 3.0mm.
- Pressed vertical posts.
- Posts located externally.
- Roof segments pressed in one piece.
- Galvanised gantry, integrated with silo or free standing.
- Silo access doors.
- Access Ladders.
- Aeration equipment.
- Unloading and sweep augers.
- Temperature monitoring equipment.

Design Note

Calculation of internal pressures is carried out in accordance with DIN 1055 and BS 5061 as appropriate. Steelwork is designed in accordance with BS 449, plastic theory being avoided for all primary structures.

At a high anticipated number of loading cycles, fatigue is taken into account, in particular the performance of joints under cyclic loading is given special attention. External loading is calculated to CP3 Chapter V, Part 2, reference being made to other codes as necessary for wind drag coefficients.

Capacity Table in Cubic Metres

Height	Diameter																				
	3.57	3.87	4.46	4.75	5.34	6.23	7.12	8.00	8.90	9.80	10.66	11.55	12.45	13.33	15.10	16.00	17.77	21.32	23.98	28.43	31.98
1.21	15	16	24	28	35	55	78	94	119	150	183	221	267	319	431	508	-	-	-	-	-
2.35	27	30	42	48	61	89	121	151	190	236	285	341	406	478	635	738	-	-	-	-	-
3.50	38	44	60	69	87	123	164	208	261	322	387	461	545	637	839	967	-	-	-	-	-
4.64	49	58	78	89	113	157	207	265	332	408	489	581	684	797	1043	1197	-	-	-	-	-
5.78	60	72	96	109	139	191	250	322	403	494	591	701	823	956	1247	1427	1778	2659	3456	5225	6866
6.93	72	85	114	130	164	226	298	380	474	580	693	821	962	1115	1452	1656	2062	3067	3973	5951	7785
8.07	84	99	132	150	190	261	344	437	545	667	795	940	1101	1275	1657	1886	2346	3475	4490	6676	8703
9.22	95	112	150	170	216	296	389	495	616	753	897	1060	1240	1434	1862	2116	2630	3884	5007	7402	9621
10.36	106	126	168	190	241	331	435	552	688	839	999	1180	1380	1594	2066	2345	2913	4292	5523	8127	10540
11.50	118	139	185	211	267	366	480	610	759	926	1101	1300	1519	1753	2271	2575	3197	4701	6040	8853	11458
12.65	129	152	203	231	292	401	526	667	830	1012	1203	1420	1658	1913	2476	2805	3481	5109	6556	9579	12376
13.79	141	166	221	251	318	436	571	725	901	1098	1305	1540	1798	2072	2681	3035	3764	5517	7073	10304	13295
14.94	152	179	239	271	344	470	617	782	972	1184	1408	1660	1937	2232	2886	3264	4048	5926	7590	11030	14213
16.08	-	-	-	-	370	505	662	840	1044	1271	1510	1779	2076	2391	3091	3494	4332	6334	8107	11755	-
17.23	-	-	-	-	396	540	708	897	1115	1357	1612	1899	2215	2551	3296	3724	4616	6743	8623	12481	-
18.36	-	-	-	-	421	575	754	955	1186	1443	1714	2019	2355	2710	3500	3953	4900	7151	9140	13207	-
19.52	-	-	-	-	-	-	-	1012	1257	1530	1816	2139	2494	2870	3705	4183	5183	7559	9657	-	-
20.66	-	-	-	-	-	-	-	-	1328	1616	1918	2259	2633	3029	3910	4413	5467	7968	10173	-	-
21.80	-	-	-	-	-	-	-	-	1399	1702	2020	2379	2772	3189	4115	4643	5751	8376	-	-	-
22.95	-	-	-	-	-	-	-	-	-	1788	2122	2499	2911	3348	4320	4872	6035	-	-	-	-
24.09	-	-	-	-	-	-	-	-	-	-	2224	2619	3050	3507	4525	5102	-	-	-	-	-
25.94	-	-	-	-	-	-	-	-	-	-	2326	2739	3189	3667	4730	-	-	-	-	-	-
26.38	-	-	-	-	-	-	-	-	-	-	2428	2859	3328	3826	-	-	-	-	-	-	-
27.53	-	-	-	-	-	-	-	-	-	-	-	2979	3467	3986	-	-	-	-	-	-	-
28.67	-	-	-	-	-	-	-	-	-	-	-	-	3608	-	-	-	-	-	-	-	-
29.81	-	-	-	-	-	-	-	-	-	-	-	-	3747	-	-	-	-	-	-	-	-

Capacities have been determined with the inclusion of cylinder, and a surcharge cone sloped at 28° to the horizontal.

Other products in the Agora Services range:

Plate Silos

Powder Silos

Square Silos

Planetary Screw Dischargers

Conveyors

Screw Conveyors

Liquid Storage Tanks