



Since 1956



## FLAT BOTTOM SILOS

*corrugated metal sheet*

a

Agro-Industry



# FLAT BOTTOM SILOS *corrugated metal sheet*

Utilizzato per stoccaggio di vari tipi di cereali, il carico avviene per caduta, tramite un cupolino posizionato sul tetto del silos, attraverso vari sistemi di trasporto, mentre per lo scarico vengono utilizzati tunnel sotterranei o cunicoli ricavati sul basamento.



## MANUFACTURING

**Cylinder:** The cylinder is formed by galvanised structural steel sheet ferrules with Sendzimir 450 gr/m<sup>2</sup> procedure, which ensures excellent resistance to bad weather. The external uprights are reinforcement to the cylinder and held together by high mechanical strength bolts and treated with Geomet procedure. Sealing of the ferrules is ensured by plastic material gaskets, which maintain over time the characteristics of impermeability. A manhole is mounted on the second ferule of the cylinder to access the interior of the silos for maintenance.

**Roof:** The roof is formed by fretted galvanised steel sheet trapezoidal elements, calculated for supporting snow and loading and control structures. The roof is constructed with variable slopes to the diameter of the models from 25° and 30° of slope fixed to the cylinder with special brackets. On the centre of the roof is mounted a closure front fairing, while in the lower part of the roof there is a control porthole.



01



02



03



04



05



06



07



## DETAILS

1. Battery of silos
2. Garret with special loading conveyor
3. Roof assembly for high capacity silos
4. Roof support structure
5. Uprights
6. Corrugated metal sheet with junction
7. Detail of corrugation wave

01



## OPTIONALS

- Min-max. level indicators
- Vertical step ladder.
- Inclined ladder on roof with handrail.
- Conveyors and control support overhead galleries.
- Galleries support structures
- Air extractors.
- Thermometer plant.
- Emptying rotation extractors

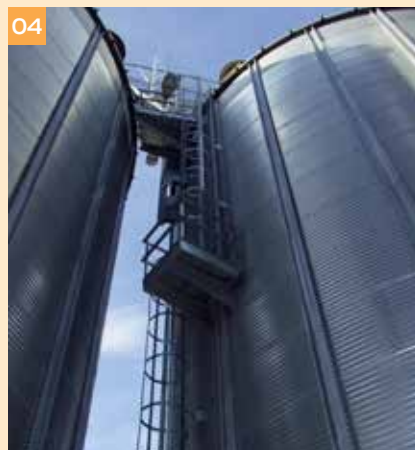
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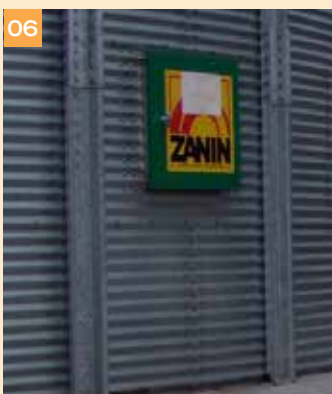
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07



08



09



10



## DETAILS

1. Gallery with conveyor
2. Gallery

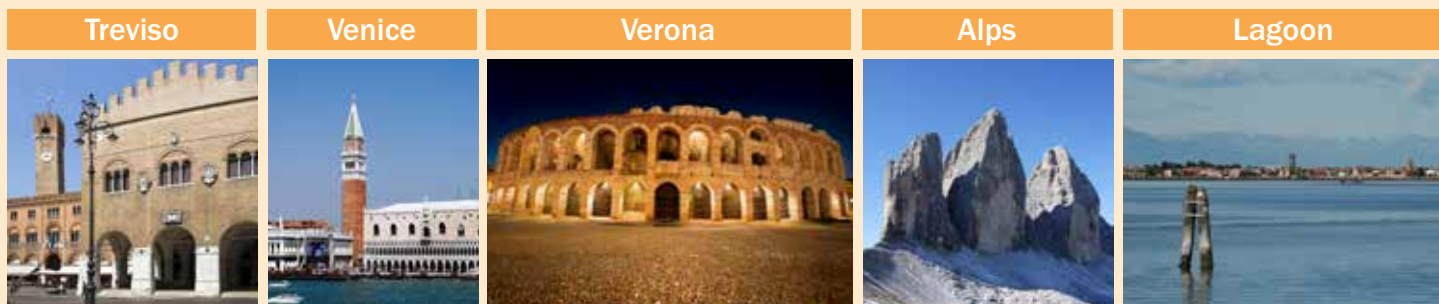
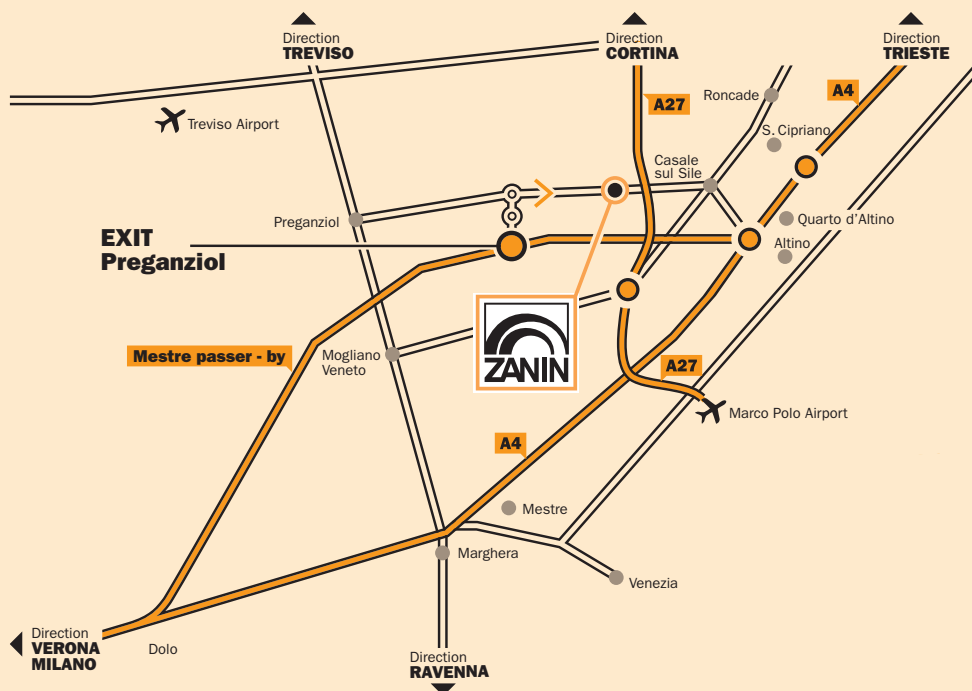
3. Door
4. Ladders
5. Battery for silos with conveyors
6. Door

7. Check porthole
8. Ventilation conduits
9. Unloading system
10. Total emptying auger

MODEL	DIAMETER Ø m	CYLINDER HEIGHT m	TOTAL HEIGHT m	CAPACITY m³	CAPACITY t (sw 0.78 t/m³)
FPO-03/3	2,78	2,51	3,41	17	13
FPO-03/4	2,78	3,34	4,24	22	17
FPO-03/5	2,78	4,18	5,08	27	21
FPO-03/6	2,78	5,01	5,91	32	25
FPO-03/7	2,78	5,85	6,75	37	29
FPO-03/8	2,78	6,68	7,58	42	33
FPO-03/9	2,78	7,52	8,42	47	37
FPO-03/10	2,78	8,35	9,25	52	41
FPO-03/11	2,78	9,19	10,09	57	45
FPO-03/12	2,78	10,02	10,92	62	49
FPO-03/13	2,78	10,86	11,76	67	53
FPO-03/14	2,78	11,69	12,59	73	57
FPO-03/15	2,78	12,53	13,43	78	61
FPO-04/3	3,70	2,51	3,71	31	24
FPO-04/4	3,70	3,34	4,54	40	31
FPO-04/5	3,70	4,18	5,38	49	38
FPO-04/6	3,70	5,01	6,21	58	45
FPO-04/7	3,70	5,85	7,05	67	52
FPO-04/8	3,70	6,68	7,88	75	59
FPO-04/9	3,70	7,52	8,72	84	66
FPO-04/10	3,70	8,35	9,55	93	73
FPO-04/11	3,70	9,19	10,39	102	80
FPO-04/12	3,70	10,02	11,22	111	87
FPO-04/13	3,70	10,86	12,06	120	94
FPO-04/14	3,70	11,69	12,89	129	101
FPO-04/15	3,70	12,53	13,73	138	108
FPO-05/3	4,64	2,51	4,01	49	39
FPO-05/4	4,64	3,34	4,84	64	50
FPO-05/5	4,64	4,18	5,68	78	61
FPO-05/6	4,64	5,01	6,51	92	72
FPO-05/7	4,64	5,85	7,35	106	83
FPO-05/8	4,64	6,68	8,18	120	94
FPO-05/9	4,64	7,52	9,02	134	105
FPO-05/10	4,64	8,35	9,85	148	116
FPO-05/11	4,64	9,19	10,69	162	127
FPO-05/12	4,64	10,02	11,52	176	138
FPO-05/13	4,64	10,86	12,36	191	149
FPO-05/14	4,64	11,69	13,19	205	160
FPO-05/15	4,64	12,53	14,03	219	171
FPO-05/16	4,64	13,36	14,86	233	182
FPO-05/17	4,64	14,20	15,70	247	193
FPO-05/18	4,64	15,03	16,53	261	204
FPO-06/4	5,56	3,34	5,14	93	73
FPO-06/5	5,56	4,18	5,98	114	89
FPO-06/6	5,56	5,01	6,81	134	104
FPO-06/7	5,56	5,85	7,65	154	120
FPO-06/8	5,56	6,68	8,48	174	136
FPO-06/9	5,56	7,52	9,32	195	152
FPO-06/10	5,56	8,35	10,15	215	168
FPO-06/11	5,56	9,19	10,99	235	183
FPO-06/12	5,56	10,02	11,82	255	199
FPO-06/13	5,56	10,86	12,66	276	215
FPO-06/14	5,56	11,69	13,49	296	231
FPO-06/15	5,56	12,53	14,33	316	247
FPO-06/16	5,56	13,36	15,16	336	252
FPO-06/17	5,56	14,20	16,00	357	278
FPO-06/18	5,56	15,03	16,83	377	294
FPO-07/5	6,49	4,18	6,28	157	123
FPO-07/6	6,49	5,01	7,11	185	144
FPO-07/7	6,49	5,85	7,95	213	166
FPO-07/8	6,49	6,68	8,78	240	187
FPO-07/9	6,49	7,52	9,62	268	209
FPO-07/10	6,49	8,35	10,45	295	230
FPO-07/11	6,49	9,19	11,29	323	252
FPO-07/12	6,49	10,02	12,12	351	273
FPO-07/13	6,49	10,86	12,96	378	295
FPO-07/14	6,49	11,69	13,79	406	317
FPO-07/15	6,49	12,53	14,63	433	338
FPO-07/16	6,49	13,36	15,46	461	360
FPO-07/17	6,49	14,20	16,30	489	381
FPO-07/18	6,49	15,03	17,13	516	403

MODEL	DIAMETER Ø m	CYLINDER HEIGHT m	TOTAL HEIGHT m	CAPACITY m³	CAPACITY t (sw 0.78 t/m³)
FPO-08/6	7,41	5,01	7,41	245	191
FPO-08/7	7,41	5,85	8,25	280	219
FPO-08/8	7,41	6,68	9,08	316	247
FPO-08/9	7,41	7,52	9,92	352	275
FPO-08/10	7,41	8,35	10,75	388	303
FPO-08/11	7,41	9,19	11,59	424	331
FPO-08/12	7,41	10,02	12,42	460	359
FPO-08/13	7,41	10,86	13,26	496	387
FPO-08/14	7,41	11,69	14,09	532	415
FPO-08/15	7,41	12,53	14,93	568	443
FPO-08/16	7,41	13,36	15,76	604	471
FPO-08/17	7,41	14,20	16,60	640	500
FPO-08/18	7,41	15,03	17,43	676	528
FPO-09/6	8,34	5,01	7,71	314	245
FPO-09/7	8,34	5,85	8,55	360	281
FPO-09/8	8,34	6,68	9,38	405	316
FPO-09/9	8,34	7,52	10,22	451	352
FPO-09/10	8,34	8,35	11,05	496	387
FPO-09/11	8,34	9,19	11,89	542	423
FPO-09/12	8,34	10,02	12,72	588	458
FPO-09/13	8,34	10,86	13,56	633	494
FPO-09/14	8,34	11,69	14,39	679	529
FPO-09/15	8,34	12,53	15,23	724	565
FPO-09/16	8,34	13,36	16,06	770	601
FPO-09/17	8,34	14,20	16,90	816	636
FPO-09/18	8,34	15,03	17,73	861	672
FPO-10/9	9,27	7,52	10,52	562	439
FPO-10/10	9,27	8,35	11,35	619	483
FPO-10/11	9,27	9,19	12,19	675	527
FPO-10/12	9,27	10,02	13,02	731	571
FPO-10/13	9,27	10,86	13,86	788	614
FPO-10/14	9,27	11,69	14,69	844	658
FPO-10/15	9,27	12,53	15,53	900	702
FPO-10/16	9,27	13,36	16,36	957	746
FPO-10/17	9,27	14,20	17,20	1013	790
FPO-10/18	9,27	15,03	18,03	1069	834
FPO-11/9	10,20	7,52	10,82	687	536
FPO-11/10	10,20	8,35	11,65	756	589
FPO-11/11	10,20	9,19	12,49	824	643
FPO-11/12	10,20	10,02	13,32	892	696
FPO-11/13	10,20	10,86	14,16	960	749
FPO-11/14	10,20	11,69	14,99	1028	802
FPO-11/15	10,20	12,53	15,83	1097	855
FPO-11/16	10,20	13,36	16,66	1165	909
FPO-11/17	10,20	14,20	17,50	1233	962
FPO-11/18	10,20	15,03	18,33	1301	1015
FPO-12/9	11,12	7,52	11,12	825	643
FPO-12/10	11,12	8,35	11,95	906	707
FPO-12/11	11,12	9,19	12,79	987	770
FPO-12/12	11,12	10,02	13,62	1068	833
FPO-12/13	11,12	10,86	14,46	1149	896
FPO-12/14	11,12	11,69	15,29	1230	959
FPO-12/15	11,12	12,53	16,13	1311	1023
FPO-12/16	11,12	13,36	16,96	1392	1086
FPO-12/17	11,12	14,20	17,80	1473	1149
FPO-12/18	11,12	15,03	18,63	1554	1212
FPO-14/9	12,98	7,52	11,72	1145	893
FPO-14/10	12,98	8,35	12,55	1255	979
FPO-14/11	12,98	9,19	13,39	1366	1065
FPO-14/12	12,98	10,02	14,22	1476	1152
FPO-14/13	12,98	10,86	15,06	1587	1238
FPO-14/14	12,98	11,69	15,89	1697	1324
FPO-14/15	12,98	12,53	16,73	1808	1410
FPO-14/16	12,98	13,36	17,56	1918	1496
FPO-14/17	12,98	14,20	18,40	2029	1582
FPO-14/18	12,98	15,03	19,23	2139	1668
FPO-16/12	14,83	10,02	14,79	1953	1524
FPO-16/13	14,83	10,86	15,63	2098	1636
FPO-16/14	14,83	11,69	16,46	2242	1749
FPO-16/15	14,83	12,53	17,30	2386	1861
FPO-16/16	14,83	13,36	18,13	2530	1973
FPO-16/17	14,83	14,20	18,97	2674	2086
FPO-16/18	14,83	15,03	19,80	2818	2198

MODEL	DIAMETER Ø m	CYLINDER HEIGHT m	TOTAL HEIGHT m	CAPACITY m³	CAPACITY t (sw 0.78 t/m³)
FPO-17/12	15,75	10,02	15,09	2219	1731
FPO-17/13	15,75	10,86	15,93	2381	1858
FPO-17/14	15,75	11,69	16,76	2544	1984
FPO-17/15	15,75	12,53	17,60	2707	2111
FPO-17/16	15,75	13,36	18,43	2869	2238
FPO-17/17	15,75	14,20	19,27	3032	2365
FPO-17/18	15,75	15,03	20,10	3194	2492
FPO-18/12	16,31	10,02	15,27	2389	1864
FPO-18/13	16,31	10,86	16,11	2564	2000
FPO-18/14	16,31	11,69	16,94	2738	2136
FPO-18/15	16,31	12,53	17,78	2913	2272
FPO-18/16	16,31	13,36	18,61	3087	2408
FPO-18/17	16,31	14,20	19,45	3261	2544
FPO-18/18	16,31	15,03	20,28	3436	2680
FPO-20/15	17,52	12,53	18,17	3386	2641
FPO-20/16	17,52	13,36	19,00	3587	2798
FPO-20/17	17,52	14,20	19,84	3788	2955
FPO-20/18	17,52	15,03	20,67	3989	3112
FPO-20/19	17,52	15,87	21,51	4191	3269
FPO-20/20	17,52	16,70	22,34	4392	3426
FPO-20/21	17,52	17,54	23,18	4593	3583
FPO-22/15	19,27	12,53	18,73	4140	3229
FPO-22/16	19,27	13,36	19,56	4383	3419
FPO-22/17	19,27	14,20	20,40	4626	3609
FPO-22/18	19,27	15,03	21,23	4870	3798
FPO-22/19	19,27	15,87	22,07	5113	3988
FPO-22/20	19,27	16,70	22,90	5357	4178
FPO-22/21	19,27	17,54	23,74	5600	4368
FPO-24/15	21,02	12,53	19,29	4977	3882
FPO-24/16	21,02	13,36	20,12	5267	4108
FPO-24/17	21,02	14,20	20,96	5557	4334
FPO-24/18	21,02	15,03	21,79	5846	4560
FPO-24/19	21,02	15,87	22,63	6136	4786
FPO-24/20	21,02	16,70	23,46	6425	5012
FPO-24/21	21,02	17,54	24,30	6715	5238
FPO-26/17	22,77	14,20	21,52	6581	5133
FPO-26/18	22,77	15,03	22,35	6921	5398
FPO-26/19	22,77	15,87	23,19	7261	5663
FPO-26/20	22,77	16,70	24,02	7601	5928
FPO-26/21	22,77	17,54	24,86	7940	6194
FPO-26/22	22,77	18,37	25,69	8280	6459
FPO-26/23	22,77	19,21	26,53	8620	6724
FPO-28/17	24,52	14,20	22,09	7703	6009
FPO-28/18	24,52	15,03	22,92	8097	6316
FPO-28/19	24,52	15,87	23,76	8491	6623
FPO-28/20	24,52	16,70	24,59	8886	6931
FPO-28/21	24,52	17,54	25,43	9280	7238
FPO-28/22	24,52	18,37	26,26	9674	7546
FPO-28/23	24,52	19,21	27,10	10068	7853



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