COMMERCIAL GAS-SEALED GRAIN SILOS

APPLICATION

- Commercial Grain Storage
- Long term Grain Storage with phosphine or controlled atmosphere insect control.
- Ask for further information on the importance of sealed silos in the drive to control insects and maintain grain free of chemical residue.

ENGINEERING STANDARDS & DESIGN REFERENCES

- AS 3774 Loads on Bulk Solids Containers (Equivalent to Eurocode 1, Part 4 Silos and Tanks)
- AS 1170.2 Wind Actions
- AS 1170.4 Earthquake Actions
- AS 4100 Steel Structures
- AS 2628 Sealing Grain Silos for Fumigation
- Design of Steel Bins for Storage of Bulk Solids – Gaylord and Gaylord
- AWRA Technical Note 14 – Design and Construction of Welded Steel Bins
- Structural Design of Steel Bins for Bulk Solids – Trahair et. al.

FEATURES

- All galvanized construction.
- Pest eradication without chemical residue and risk of insect resistance.
- Bin is protected with high capacity of oil bath relief valve.
- Clean Design – no internal stiffeners.
- All structural seals use high quality, long lasting materials.
- Sight glass level indication (one in each 1100mm wall strake).
- Range of unload and sweep auger combinations to suit each application.
- Kotzur 5 year warranty.

See over for specifications….

56-60 Commercial Street, Walla Walla NSW 2659
T (02) 6029 4700 F (02) 6029 2307
E info@kotzur.com www.kotzur.com

SPECIFICATIONS

GP 15 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 15-13	1583	1314	1456	11.4	17.7	14.8
GP 15-14	1696	1408	1560	11.4	18.8	15.9
GP 15-15	1809	1502	1664	11.4	19.9	17.0
GP 15-16	1922	1595	1768	11.4	21.0	18.1
GP 15-17	2035	1689	1872	11.4	22.1	19.2
GP 15-18	2148	1783	1976	11.4	23.2	20.3

GP 18 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 18-10	1829	1518	1683	13.7	15.2	11.5
GP 18-11	1991	1653	1832	13.7	16.3	12.6
GP 18-12	2153	1787	1981	13.7	17.4	13.7
GP 18-13	2315	1921	2130	13.7	18.5	14.8
GP 18-14	2477	2056	2279	13.7	19.6	15.9
GP 18-15	2639	2190	2428	13.7	20.7	17.0
GP 18-16	2801	2325	2577	13.7	21.8	18.1

GP 20 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 20-10	2258	1874	2077	15.2	16.0	11.5
GP 20-11	2457	2040	2261	15.2	17.1	12.6
GP 20-12	2657	2205	2444	15.2	18.2	13.7
GP 20-13	2856	2370	2628	15.2	19.3	14.8
GP 20-14	3055	2536	2811	15.2	20.4	15.9
GP 20-15	3255	2701	2994	15.2	21.5	17.0
GP 20-16	3454	2867	3178	15.2	22.6	18.1
GP 20-17	3653	3032	3361	15.2	23.7	19.2
GP 20-18	3853	3198	3545	15.2	24.8	20.3
GP 20-19	4052	3363	3728	15.2	25.9	21.4
GP 20-20	4251	3529	3911	15.2	27.0	22.5

1. Wheat capacity based on typical consolidated/compacted bulk density in silo.
2. Max. Load based on engineering design for wheat at 920kg/m³ - this load will vary for products with differing properties.

56-60 Commercial Street, Walla Walla NSW 2659
T (02) 6029 4700 F (02) 6029 2307
E info@kotzur.com www.kotzur.com

A family owned Australian business

GP 22 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 22-10	2777	2304	2555	16.7	16.4	11.5
GP 22-11	3020	2506	2778	16.7	17.5	12.6
GP 22-12	3262	2707	3001	16.7	18.6	13.7
GP 22-13	3505	2909	3224	16.7	19.7	14.8
GP 22-14	3747	3110	3447	16.7	20.8	15.9
GP 22-15	3990	3311	3670	16.7	21.9	17.0
GP 22-16	4232	3513	3893	16.7	23.0	18.1
GP 22-17	4475	3714	4117	16.7	24.1	19.2
GP 22-18	4717	3915	4340	16.7	25.2	20.3
GP 22-19	4960	4116	4563	16.7	26.3	21.4
GP 22-20	5202	4318	4786	16.7	27.4	22.5
GP 22-21	5445	4519	5009	16.7	28.5	23.6
GP 22-22	5687	4720	5232	16.7	29.6	24.7

GP 24 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 24-12	3899	3236	3587	18.2	18.7	13.2
GP 24-13	4186	3474	3851	18.2	19.8	14.3
GP 24-14	4473	3712	4115	18.2	20.9	15.4
GP 24-15	4759	3950	4379	18.2	22.0	16.5
GP 24-16	5046	4188	4643	18.2	23.1	17.6
GP 24-17	5333	4426	4906	18.2	24.2	18.7
GP 24-18	5620	4664	5170	18.2	25.3	19.8
GP 24-19	5907	4902	5434	18.2	26.4	20.9
GP 24-20	6193	5141	5698	18.2	27.5	22.0
GP 24-21	6480	5379	5962	18.2	28.6	23.1
GP 24-22	6767	5617	6226	18.2	29.7	24.2
GP 24-23	7054	5855	6489	18.2	30.8	25.3
GP 24-24	7341	6093	6753	18.2	31.9	26.4
GP 24-25	7627	6331	7017	18.2	33.0	27.5
GP 24-26	7914	6569	7281	18.2	34.1	28.6

56-60 Commercial Street, Walla Walla NSW 2659
T (02) 6029 4700 F (02) 6029 2307
E info@kotzur.com www.kotzur.com

A family owned Australian business

GP 26 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 26-12	4626	3840	4256	19.7	19.4	13.2
GP 26-13	4913	4078	4520	19.7	20.5	14.3
GP 26-14	5200	4316	4784	19.7	21.6	15.4
GP 26-15	5486	4554	5047	19.7	22.7	16.5
GP 26-16	5773	4792	5311	19.7	23.8	17.6
GP 26-17	6060	5030	5575	19.7	24.9	18.7
GP 26-18	6347	5268	5839	19.7	26.0	19.8
GP 26-19	6634	5506	6103	19.7	27.1	20.9
GP 26-20	6920	5744	6367	19.7	28.2	22.0
GP 26-21	7207	5982	6631	19.7	29.3	23.1
GP 26-22	7494	6220	6894	19.7	30.4	24.2
GP 26-23	7781	6458	7158	19.7	31.5	25.3
GP 26-24	8068	6696	7422	19.7	32.6	26.4
GP 26-25	8354	6934	7686	19.7	33.7	27.5
GP 26-26	8641	7172	7950	19.7	34.8	28.6

GP 30 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 30-12	6297	5227	5793	22.8	20.0	13.2
GP 30-13	6747	5600	6207	22.8	21.1	14.3
GP 30-14	7197	5973	6621	22.8	22.2	15.4
GP 30-15	7647	6347	7035	22.8	23.3	16.5
GP 30-16	8096	6720	7449	22.8	24.4	17.6
GP 30.17	8546	7093	7863	22.8	25.5	18.7
GP 30-18	8996	7467	8276	22.8	26.6	19.8
GP 30-19	9446	7840	8690	22.8	27.7	20.9
GP 30-20	9896	8214	9104	22.8	28.8	22.0
GP 30-21	10346	8587	9518	22.8	29.9	23.1
GP 30-22	10796	8960	9932	22.8	31.0	24.2
GP 30-23	11245	9334	10345	22.8	32.1	25.3
GP 30-24	11695	9707	10760	22.8	33.2	26.4
GP 30-25	12145	10080	11173	22.8	34.3	27.5
GP 30-26	12595	10454	11587	22.8	35.4	28.6

56-60 Commercial Street, Walla Walla NSW 2659
T (02) 6029 4700 F (02) 6029 2307
E info@kotzur.com www.kotzur.com

A family owned Australian business

GP 32 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 32-18	10269	8523	9447	24.3	27.1	19.8
GP 32-19	10779	8947	9917	24.3	28.2	20.9
GP 32-20	11289	9370	10386	24.3	29.3	22.0
GP 32-21	11800	9794	10856	24.3	30.4	23.1
GP 32-22	12310	10217	11325	24.3	31.5	24.2
GP 32-23	12820	10641	11795	24.3	32.6	25.3
GP 32-24	13330	11064	12264	24.3	33.7	26.4
GP 32-25	13841	11488	12733	24.3	34.8	27.5
GP 32-26	14351	11911	13203	24.3	35.9	28.6
GP 32-27	14861	12335	13672	24.3	37.0	29.7
GP 32-28	15371	12758	14142	24.3	38.1	30.8
GP 32-29	15882	13182	14611	24.3	39.2	31.9
GP 32-30	16392	13605	15080	24.3	40.3	33.0

GP 36 Series	Capacity M³	Capacity Tonnes	Max Load	Diameter M	Height to Centre	Height to Eave
GP 36-18	13168	10929	12115	27.4	28.0	19.8
GP 36-19	13814	11466	12709	27.4	29.1	20.9
GP 36-20	14460	12002	13303	27.4	30.2	22.0
GP 36-21	15106	12538	13897	27.4	31.3	23.1
GP 36-22	15752	13074	14491	27.4	32.4	24.2
GP 36-23	16398	13610	15086	27.4	33.5	25.3
GP 36-24	17043	14146	15680	27.4	34.6	26.4
GP 36-25	17689	14682	16274	27.4	35.7	27.5
GP 36-26	18335	15218	16868	27.4	36.8	28.6
GP 36-27	18987	15759	17468	27.4	37.9	29.7
GP 36-28	19627	16290	18057	27.4	39.0	30.8
GP 36-29	20273	16827	18651	27.4	40.1	31.9
GP 36-30	20919	17363	19245	27.4	41.2	33.0

COMMERCIAL AND SPECIAL REQUIREMENTS

The Company has a range of non-standard options and variations for specific applications. These include;

- Range of unloader size and duty cycle designs.
- Roof loads to carry conveyors.
- Designs for high wind and seismic regions.
- Storage of products other than grain.
- Design and construct of integrated storage and conveying systems.
- Custom size/geometry silos.

56-60 Commercial Street, Walla Walla NSW 2659
T (02) 6029 4700 F (02) 6029 2307
E info@kotzur.com www.kotzur.com

A family owned Australian business

56-60 Commercial Street, Walla Walla NSW 2659
T (02) 6029 4700 F (02) 6029 2307
E info@kotzur.com www.kotzur.com

A family owned Australian business