

Fowler Westrup

Fowler Westrup, a joint venture between John Fowler, India and Westrup & IFU, Denmark, in collaboration with a world-leader in Silos, Silos Córdoba of Spain, introduces world-class Silos - the new age storage solution for agri-businesses.

Fowler Westrup (India) Pvt. Ltd., have been involved in the design, manufacture, marketing and servicing of seed / grain processing machinery and Transformer Oil conditioning machines. Their agri-processing machinery are being used for the processing, handling and storage of seeds, seed spices, grains, tea, coffee, pulses, basmati and non-basmati paddy & seeds. They also offer turn-key solutions in this area, making them an ideal partner for agri-processing needs of any size.

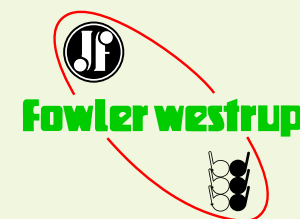
Now, in a strategic tie-up with Silos Córdoba for the technology and know-how, Fowler Westrup is all set to revolutionise storage of grains and other perishable commodities, by bringing world-class storage solutions to the whole of India.

SILOS CÓRDOBA

Silos Córdoba, is headquartered in Spain with offices across the globe. Established in 1976, they have been providing the best in storage solutions to many different parts of the world. Highest quality raw materials, state-of-the-art technology, continuous innovation in their respective field and an infrastructure that's worth talking about, have all made Silos Córdoba a name to reckon with in their respective field.

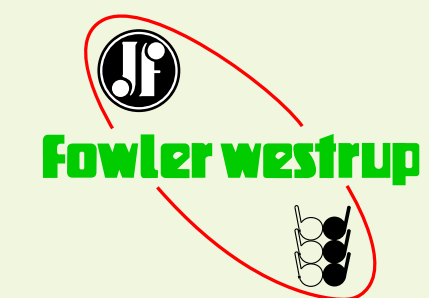


World-class Silos,
now in India.



For further details about our products and other enquiries, please contact:
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Why FWL Silos?

India produces several million tonnes of food grains every year. And every year, about 25% of this goes to waste due to conventional storage methods like gunny bags, concrete structures and MS storage structures. The wastage is due to moisture in the grain and extreme temperature variation resulting in fungus formation. Termites, rats, pests and pilferage also contribute to these losses.

Fowler Westrup Silos offer the best and safest solution for storage & handling of grains, cereals & other commodities and challenge the other methods of storage in gunnysacks, concrete structures and MS storage structures. Being technologically advanced, they are engineered using the best materials and proven technology to deliver maximum value. They are highly sophisticated and mechanised to control temperature and humidity. They retain the quality of stored goods for a longer duration while reducing transportation and manpower costs, resulting in sale of stored items at the peak-value. Fowler Westrup Silos can be customised to



individual needs of every client, from small to the biggest, to offer the best overall cost-effective solutions. To do just this, we offer the following:

- Fowler Westrup Cleaning and Grading Systems (Pre cleaners, Fine cleaners and Destoners)
- Conveyor with Belt / Chains
- Elevators
- Temperature and Level Sensors
- Temperature Controllers
- Temperature Recording / Monitoring Systems
- Aeration Systems

Besides, these Silos are backed by Fowler Westrup, the leaders in agri-processing machinery in India. Their proven expertise and presence in manufacturing leading-edge grain processing machinery make them just the perfect partner for implementing the best storage solutions for every agri-business.



Silos challenge **existing storage** methods by:

- Being technologically advanced
- Using modern technology to deliver maximum value
- Offering maximum protection, unlike a conventional system, from moisture, rodent-infestation and various other factors like fungus, organic growth, etc.

FWL Silos offer **maximum profitability** because:

- The quality of grains is retained for a very long duration
- Grains can be stored till the expected market value is reached
- Operation cost is minimised with optimal usage of manpower
- Their versatile design ensures best utilisation of the available space

Different Silos for different needs

The Fowler Westrup Silos (FWL Silos), have been designed to suit Indian needs. Keeping in perspective the current scenario of grain storage and handling, we have:

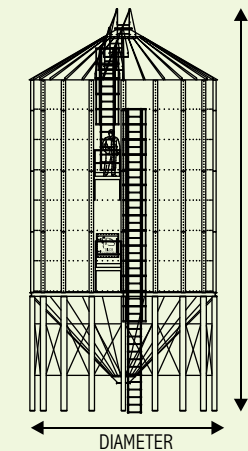


Hoppered Bottom Silos

Hoppered Bottom Silos are conically shaped with a new range of metallic 45° and 60° cones. They are manufactured from high quality Z450 (450 gm/m² of zinc) steel sheets, dichromate high tensile bolts with neoprene washers to ensure a total waterproof seal. This concept simplifies civil works and unloading at the storage plant.

With capacities ranging from 10-1000 tonnes, they primarily reduce commodity damage by simplifying civil work and eliminating the need for sweep and discharge augers. Since the supporting structures of these Silos are of bolted construction and hot dipped galvanised after manufacture, they offer a thoroughly clean and maintenance-free system.

SILO TYPE	CAPACITY (Cubic Metre)	DIAMETER (Metre)	TOTAL HEIGHT (Metre)
FARM SILOS			
MOD 1.85	4.60 to 10.30	1.85	3.90 to 6.20
MOD 2.50	9.80 to 30.70	2.50	4.70 to 9.52
MOD 2.75	13.00 to 33.30	2.75	5.00 to 8.66
60° HOPPERED SILOS			
MOD 2.75	13.00 to 33.00	2.75	5.00 to 8.66
MOD 3.05	25.23 to 61.02	3.05	6.40 to 12.00
MOD 3.50	31.70 to 96.60	3.50	6.40 to 13.20
MOD 4.58	100.00 to 326.00	4.58	9.44 to 23.17
MOD 5.35	143.00 to 425.00	5.35	10.17 to 22.75
MOD 6.11	194.00 to 528.00	6.11	10.84 to 22.28
MOD 6.88	255.00 to 637.00	6.88	12.15 to 22.44
45° HOPPERED SILOS			
MOD 4.58	95.00 to 264.00	4.58	8.84 to 19.14
MOD 5.35	134.00 to 364.00	5.35	9.77 to 20.00
MOD 6.11	181.00 to 515.00	6.11	10.34 to 21.78
MOD 6.88	237.00 to 745.00	6.88	10.95 to 24.68
MOD 7.64	301.00 to 928.00	7.64	11.28 to 25.01
MOD 8.40	375.00 to 1133.00	8.40	12.00 to 25.73
MOD 9.17	460.00 to 1364.00	9.17	12.72 to 26.44

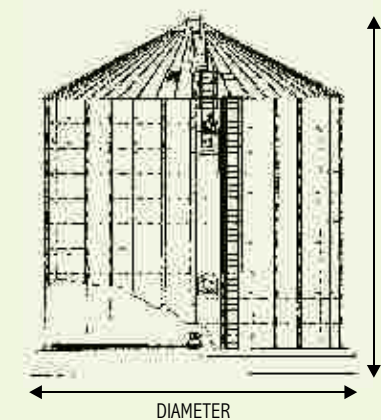


Flat Bottom Silos

Flat Bottom Silos are flat at the base and use Z450 (with 450 gm/m² galvanisation) high-grade steel sheet, dichromate high tensile bolts grade with neoprene washers to ensure a total water-proof seal.

The Fowler Westrup Flat Bottom Silos deliver versatility by involving simple assembly resulting in minimal transportation costs and a highly efficient low cost storage. Flat Bottom Silos offer a capacity range of 15,000 tonnes. For larger diameters of these Silos, a galvanised reinforced roof structure is incorporated considering various loadings like machinery and wind. Also, internal reinforcement rings are installed to prevent deformation due to winds.

SILO TYPE	CAPACITY (Cubic Metre)	DIAMETER (Metre)	TOTAL HEIGHT (Metre)
FLAT BOTTOM SILOS			
MOD 6.88	279 to 872	6.88	8.94 to 24.95
MOD 7.64	347 to 1079	7.64	9.07 to 25.09
MOD 8.40	424 to 1308	8.40	9.28 to 25.29
MOD 9.17	661 to 1564	9.17	11.79 to 25.52
MOD 10.70	913 to 2143	10.70	12.27 to 25.99
MOD 11.46	1054 to 2465	11.46	12.46 to 26.19
MOD 12.22	1208 to 2812	12.22	12.68 to 26.41
MOD 13.75	1551 to 3582	13.75	13.02 to 26.75
MOD 14.51	1739 to 4001	14.51	13.28 to 27.01
MOD 15.28	1942 to 4450	15.28	13.53 to 27.21
MOD 16.04	2155 to 4919	16.04	13.7 to 27.43
MOD 16.81	2383 to 5419	16.81	13.93 to 27.66
MOD 17.57	2621 to 5919	17.57	13.93 to 27.66
MOD 18.33	2872 to 6482	18.33	14.33 to 28.06
MOD 19.10	3140 to 7059	19.10	14.56 to 28.29
MOD 20.63	3712 to 8284	20.63	15.08 to 28.76
MOD 22.92	4673 to 10317	22.92	15.69 to 29.42
MOD 24.45	5387 to 11809	24.45	16.13 to 29.86
MOD 27.50	6989 to 15114	27.50	17.01 to 30.74
MOD 32.08	9866 to 20923	32.08	18.38 to 32.06



All Silo sheets are with 450 gm/sqm galvanisation.

FWL Silos are **customisable** due to flexibility in:

- Ventilation and Temperature Monitoring systems
- Grain Conveyor Systems
- Drying, Cleaning and Grading Systems
- Relocation of Silos

FWL Silos have **expert backing** because:

- Their expertise and presence in leading-edge agri-processing machinery make them a perfect partner for any kind of clientele
- Silos Córdoba of Spain, the leading manufacturer of Silos in the world, provide the technical know-how