MEPU

BUILT TO LAST.

PRODUCT CATALOGUE

COMPLETE GRAIN HANDLING SOLUTIONS

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CONTENTS

MEPU OY - ABOUT US

70 years of tried and tested quality - It’s built to last.

MADE IN FINLAND

Since 1952, we have been producing high-quality products in Finland. Renowned for our expertise in grain handling equipment, we unquestionably lead the way in our industry.

Our research and development work produces new innovations that generate added value for our customers. Our products have found favor among customers across Europe, suggesting a level of customer satisfaction we are humbly proud of.

Our automated and robotised production facilities guarantee efficient and reliable operations. Our operations are based on the SFS-EN ISO 9001 quality system and with regard of the supporting structures SFS-EN ISO 3834-3 filling the welding requirements. In operations have taken into account SFS-EN ISO 14001 environment system and OHSAS 18001:fi occupational safety system’s essential requirements.

COST-EFFECTIVE AND EFFICIENT

K SERIES MOBILE DRYERS

Energy Efficient Middle Channel Drying

The K series mobile dryers by Mepu are cost-effective, efficient, and quickly deployable warm air-drying units. The mobile dryer is easily movable from one place to another.

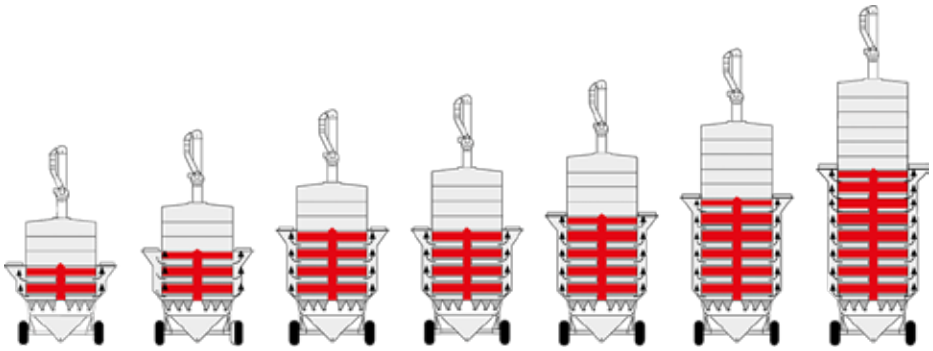
The mobile dryer, known for its user-friendly interface and dependable performance, offers several advantages over stationary dryers. These benefits encompass cost savings, swift set-up, enhanced drying efficiency, and a more adaptable dryer height.

Efficient Under Demanding Circumstances

The technically superior mobile dryer offers uniform drying efficiency even under demanding conditions and enables energy-efficient drying of wet grain. The mobile dryer is suitable for drying several types of grain and small seeds. The feeding apparatus is equipped with a frequency converter.

OPTIONS

- Channel aspirators
- Cyclone systems for elevator and pre-cleaner
- Grain space increase
- Step extension
- Motored dividers

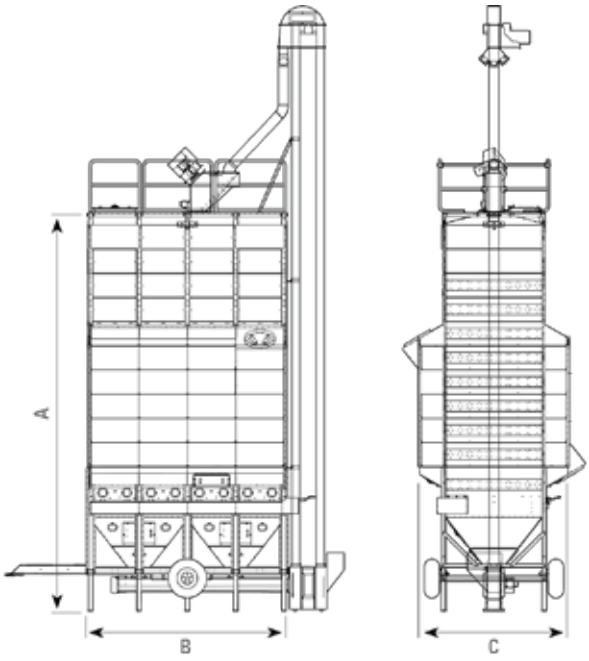


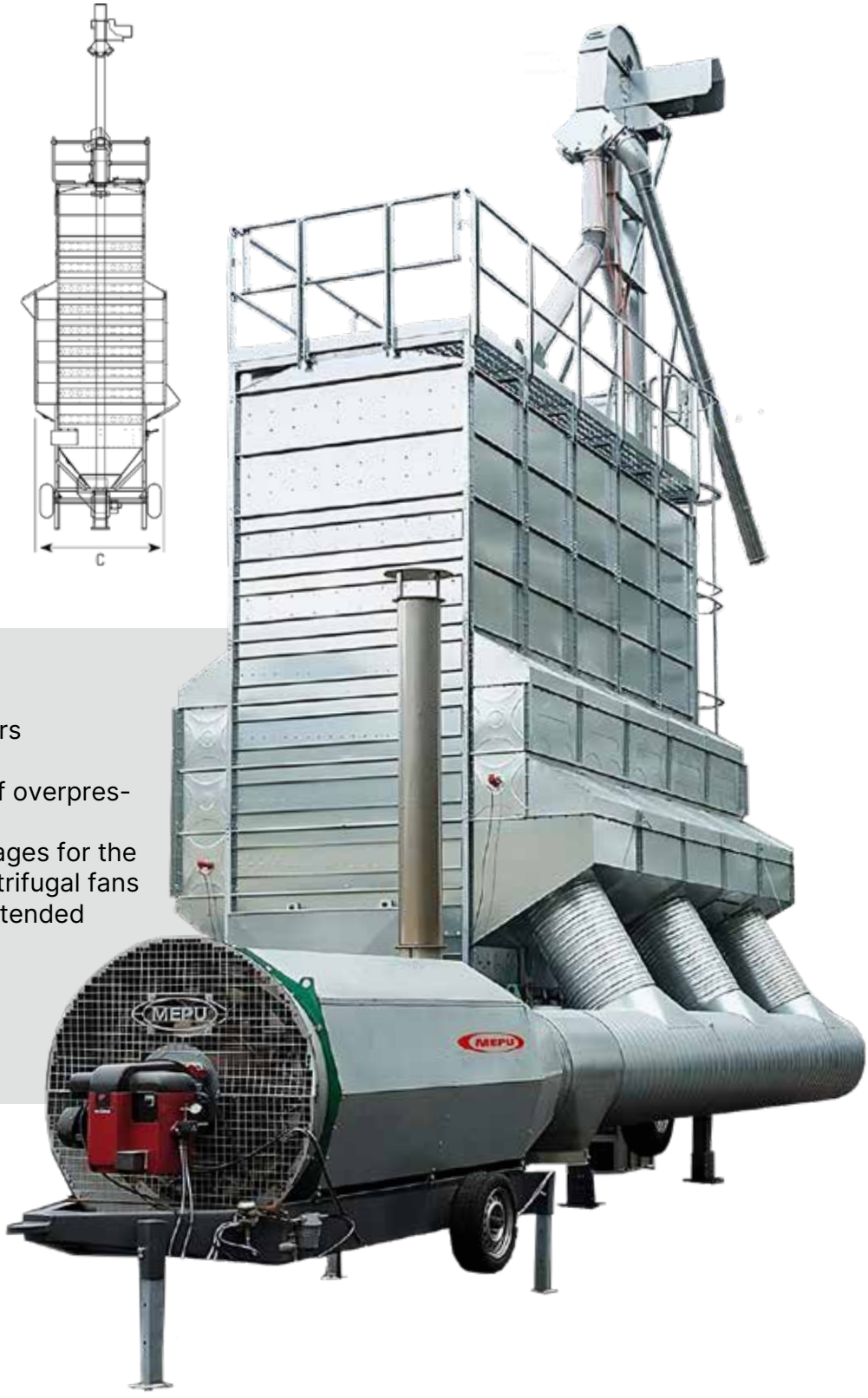
MODEL	M 180K	M 205K	M 240K	M 275K	M 300K	M 365K	M 420K
Width (transportation / operation) [m]	3.14 / 3.87	3.14 / 3.87	3.14 / 3.87	3.14 / 3.87	3.14 / 3.87	3.14 / 3.87	3.14 / 3.87
Transportation width [m]	6.23	6.23	6.23	6.23	6.23	6.23	6.23
Transportation height [m]	4.25	4.25	4.25	3.85	3.85	3.85	3.85
Operational length (max / min) [m]	8.08 / 6.85	8.08 / 6.85	8.08 / 6.85	8.08 / 6.85	8.08 / 6.85	8.08 / 6.85	8.08 / 6.85
Equipment height (to cover) [m]	4.3 / 4.6	4.8 / 5.1	5.5 / 5.8	6.3	6.8	8 / 9.7	9.7
Elevator height [m]	8.25	8.75	9.5	10	10.5	11.75	13.5
Grain volume [m^3]	16.3	18.4	21.6	25.1	27.2	33.9	39.4
Min. drying batch [m^3]	3.5	6.2	6.2	6.2	6.2	6.2	12
Equipment weight [t]	5	6	7	7.5	8	8.5	9.4
Furnace recommendation [kW]	250 / 300	250 / 400	310 / 400	400	500	500	500
Fuse size [A]	25	32	32	32	50	50	50
Electric power [kW]	11 / 17.75	15 / 17.75	21.25	22	25.55	26.55	27.55

Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels the grain expands thus lowering the max filling volume. Values are theoretically calculated and may vary depending on local conditions and cereal properties.

RELIABLE AND HIGH-QUALITY

M SERIES MOBILE DRYERS





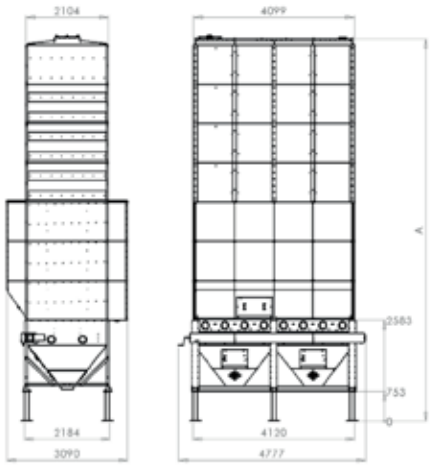
OPTIONS

- Direct-fire gas burners
- Centrifugal fans
- Channel aspirators (if overpressure furnace)
- Dust separator packages for the elevator and the centrifugal fans
- Control panels for extended systems
- Heat insulation
- Grain space increase
- Motored dividers

Flexibility and Performance

Reliability and ease of use have been emphasized in the design of the robust and practical M series dryer. M series dryers are based on the same proven technology as Mepu's high-power continuous flow dryers. The advanced drying technology employed ensures a high-quality outcome and quick and energy-efficient drying of the grain.

The M mobile dryer range is a versatile complete solution, the dryer, furnace, and hopper unit can be flexibly positioned according to the customer's needs.



MODEL	M4-32	M4-46	M4-60	M4-74
Equipment height [m]	8.6	9.9	11.9	13.9
Water volume [m³]	36.6	50.5	64.4	78.3
Grain volume max. [m³]	32	46	60	74
Drying section volume [m³]	18	24	30	36
Buffer section volume [m³]	15.8	23.7	31.6	39.5
Elevator min. height [m]	13.1	14.4	16.4	18.4

* Equipment width is determined by power and type of the heat source.

Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels the grain expands thus lowering the max filling volume. Values are theoretically calculated and may vary depending on local conditions and cereal properties. Indicative minimum drying batch is 40% of the grain volume.

HIGH-QUALITY AND EFFICIENT

S SERIES STATIONARY DRYERS

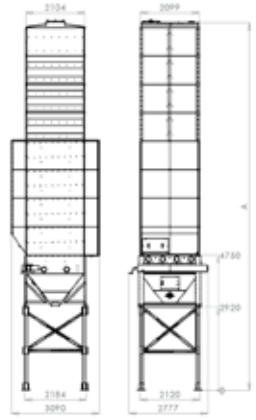
Advanced Drying Technology

Mepu's stationary dryers utilize a gentle, energy-efficient, and dependable process to dry grain, even in the most challenging conditions. The outcome is unaffected by the moisture content of the grain batch, as it undergoes a process of repeated circulation in the drying process, guaranteeing consistent moisture levels until the entire batch is completely dried.

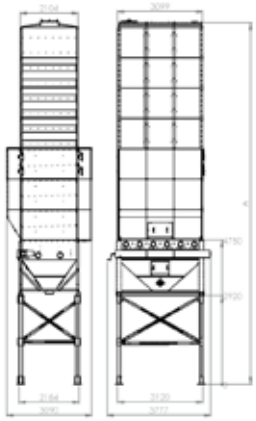
The S series dryers share the same high-quality technology as Mepu's high-capacity continuous flow dryers. Alongside advanced drying methods, the design places a strong emphasis on reliability and user-friendliness.

OPTIONS

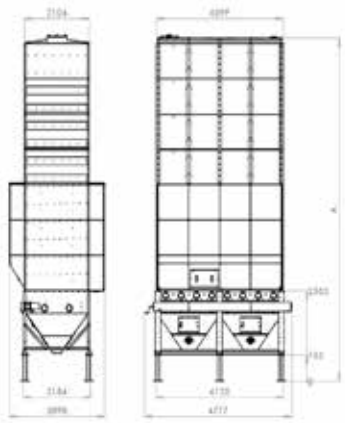
- Dust removal packages for the elevator
- Logic control centres, tailored according to the client's requirements
- A low base with a bottom auger for tight spaces
- Biogas and direct-fire gas furnace available as heat sources
- Heat insulation



S2	S2-13	S2-17	S2-20	S2-24	S2-27	S2-31	S2-34	S2-37	S2-40	S2-43
Equipment height A [m] *	8.9	9.9	10.9	11.9	12.9	13.9	14.9	15.9	16.9	17.9
Equipment height A [m] **	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7
Water volume [m³]	15.4	19.4	22.4	26.4	29.4	33.4	36.4	39.4	42.4	45.4
Grain volume max. [m³]	13.1	17.1	20.1	24.1	27.1	31.1	34.1	37.1	40.1	43.1
Drying section volume [m³]	6	6	9	9	12	12	15	18	21	24
Buffer section volume [m³]	8	12	12	16	16	20	20	20	20	20
Elevator min. height [m] *	12.4	13.4	14.4	15.4	16.4	17.4	18.4	19.4	20.4	21.4
Elevator min. height [m] **	10.2	11.2	12.2	13.2	14.2	15.2	16.2	17.2	18.2	19.2



S3	S3-26	S3-31	S3-36	S3-41	S3-47	S3-51	S3-56	S3-60	S3-65
Equipment height A [m] *	9.9	10.9	11.9	12.9	13.9	14.9	15.9	16.9	17.9
Equipment height A [m] **	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7
Water volume [m³]	28.8	33.3	39.2	43.7	49.6	54.1	58.6	63.1	67.6
Grain volume max. [m³]	26.1	30.6	36.5	41	46.9	51.4	55.9	60.4	64.9
Drying section volume [m³]	9	13.5	13.5	18	18	22.5	27	31.5	36
Buffer section volume [m³]	17.7	17.7	23.6	23.6	29.5	29.5	29.5	29.5	29.5
Elevator min. height [m] *	13.9	14.9	15.9	16.9	17.9	18.9	19.9	20.9	21.9
Elevator min. height [m] **	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7

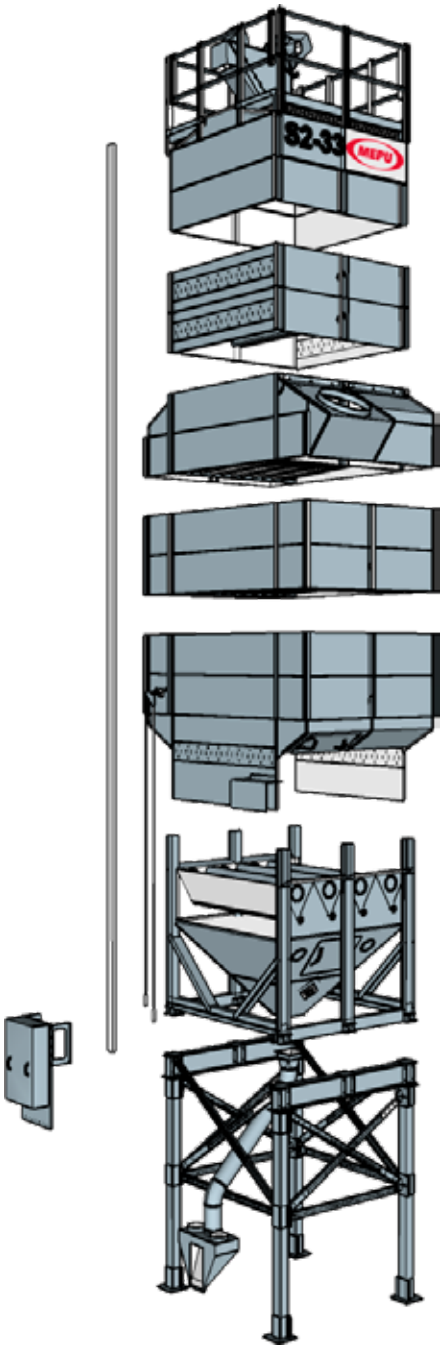


S4	S4-48	S4-54	S4-62	S4-68	S4-74	S4-80	S4-86	S4-92	S4-98
Equipment height A [m] **	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7
Water volume [m³]	52.4	58.4	66.3	72.3	78.3	84.3	90.3	96.3	102.3
Grain volume max. [m³]	47.75	53.75	61.65	67.65	73.65	79.65	85.65	91.65	97.65
Drying section volume [m³]	18	24	24	30	36	42	48	54	60
Buffer section volume [m³]	31.6	31.6	39.5	39.5	39.5	39.5	39.5	39.5	39.5
Elevator min. height [m] **	14.2	15.2	16.2	17.2	18.2	19.2	20.2	21.2	22.2

* High base ** Low base
Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels the grain expands thus lowering the max filling volume. Values are theoretically calculated and may vary depending on local conditions and cereal properties

FAST COMMISSIONING

READY-MADE SOLUTIONS



50% Faster Commissioning with Ready-made Deliveries

The Mepu Ready-made concept is available for S-series grain dryers. The dryer is delivered almost ready for installation. Pre-assembled drying cells, grain chambers, and the cover with railings expedite the construction process. Essential components for a quick start-up are included in Mepu Ready-made deliveries.

For preparation, a simple concrete foundation, electrical supply, and a fuel tank with fuel supply are sufficient. The Mepu dryer is eligible for investment support and leasing/financing. Mepu dryers are known for their long lifespan and low maintenance and spare parts costs.

When time is of the essence.

The need for a new dryer might be sudden.
When there is little time for construction
Ready-made dryers are the answer.

EFFICIENT AND UNIFORM

C SERIES CONTINUOUS FLOW DRYERS

High tech Performance

The high tech, continuous flow, warm air dryers by Mepu dry the grain in a gentle, uniform, and energy-efficient manner. The efficiency of the dryers is on a high level. The size, capacity, and power of the C series continuous flow dryers are flexibly adaptable. By adjusting the number of drying cells and grain silos, the drying solution can be tailored to the customer's needs.

The galvanized material of C series dryers designed and manufactured in Finland ensures a long service life. The versatile choice of dryer heating sources includes oil burners and direct gas burners.

Ease of Maintenance and Reduced Dust Emissions

The tight ridge structure of carefully planned drying cells ensures gentle and even drying of the grain without the risk of overdrying or underdrying. The smooth inner surfaces of the drying unit facilitate easy cleaning, resulting in straightforward and speedy upkeep and maintenance.

The roller feed ensures accurate and even feeding under any circumstances. Additionally, in larger dryers, the airflow can be turned off for the duration of the feed, which considerably reduces dust emissions.

A Wide Range of Accessories

In all models of the C series, the number of grain cooling cells is adjustable. In the case of larger models, the standard equipment includes grids at the top of the burner to keep the grain away from the burner. Optimized airflow through the air channels ensures efficient and even drying.

Additional equipment includes a control system tailored to the customer's needs, a dust separation system, heat insulation for the dryer equipment, silencers for the main blowers, and maintenance platforms/ladders installed inside the air channel for cleaning convenience.

OPTIONS

- Direct-fire gas burners
- Centrifugal fans
- Channel aspirators (if overpressure furnace)
- Dust separator packages for the elevator and the centrifugal fans
- Control panels for extended systems
- Heat insulation
- Grain space increase
- Motored dividers

MODEL	GRAIN VOLUME [M³]	CORN 120°C 25-125%	WHEAT 90°C 20-15%	RAPESEED 120°C 12-7%
C2-23 (5-4)	23.4	7.1	7.9	3.3
C2- 33 (8-4)	32.7	11.4	12.6	5.2
C2- 39 (10-4)	39	14.2	15.8	6.6
C3- 41 (5-3)	40.9	10.6	11.8	4.9
C3- 50 (7-3)	54.9	17	18.9	7.9
C3- 60 (9-3)	59.6	19.2	21.3	8.8
C3- 64 (10-3)	64.3	21.3	23.6	9.8
C3- 74 (12-3)	73.6	25.6	28.4	11.8
C4- 67 (7-3)	67	19.9	22.1	9.2
C4-79 (9-3)	79.4	25.6	28.4	11.8
C4- 86 (10-3)	85.7	28.4	31.5	13.1
C4- 98 (10-3)	98.2	34.1	37.8	15.7
C5- 99 (9-5)	99.3	31.9	35.5	14.7
C5- 107 (10-6)	107.1	35.5	39.4	16.4
C5- 123 (5-3)	122.7	42.6	47.3	19.7
C6- 119 (9-5)	119.2	38.3	42.5	17.7
C6- 129 (10-6)	128.5	42.6	47.3	19.7
C6- 147 (5-3)	147.2	51.1	56.7	23.6
C7- 139 (9-5)	139	44.7	49.6	20.6
C7- 150 (10-6)	149.9	49.7	55.1	22.9
C7- 172 (12-6)	171.8	59.6	66.2	27.5
C8- 159 (9-5)	158.9	51.1	56.7	23.6
C8- 171 (10-6)	171.4	56.8	63	26.2
C8- 196 (12-6)	196.3	68.1	75.6	31.4

Ambient temperature 10°C and ambient relative moisture 70%. Grain volume calculated with wheat, 18% moisture content. When drying from high moisture levels the grain expands thus lowering the max filling volume. Values are theoretically calculated and may vary depending on local conditions and cereal properties. The specifications cover only some of the common sizes of Mepu dryers. Other sizes available on request.

CUSTOMER SUCCESS STORY

A COMPLETE GRAIN HANDLING SOLUTION FOR ZS RIEKSTIŅI

PROJECT DETAILS

Dryer: Continuous flow dryer C7-71 (rated capacity 70 t/h)
Grain transfer: A drive over 60m3 intake pit. Grain transfer with 150 t/h capacity.
Dust control: Taifun dust exhaust system
Storage: Steel hopper bottom silos 3pcs á Ø8,42m / 8 layers / 628m3 with aeration and temperature control, flat bottom silos 2pcs á Ø16,8m / 12 layers / 3338m3 with aeration and temperature control, square silos 4pcs 3×3m 137m3 for truck loading, 3×3m 27m3 for cleaner buffer and 3×2.5m 27m^3 for dust and chaff
Other products: Fully automated control over the facility with remote control.

Dealer: JVK Projekti
End customer: ZS Riekstiņi
Location: Apšova, Latvia

FEATURED PRODUCTS

- 70 t/h C7-71 DRYER
- 150 t/h GRAIN TRANSFER
- TAIFUN DUST EXHAUST SYSTEM
- 11 DIFFERENT SILOS
- FULLY AUTOMATED CONTROL

"We have used MEPU equipment for several years and are very pleased with the new solution."

Guntars & Jolanta Bartkevici
Owners of ZS Riekstiņi

A NEW ERA OF INTELLIGENT DRYER CONTROL

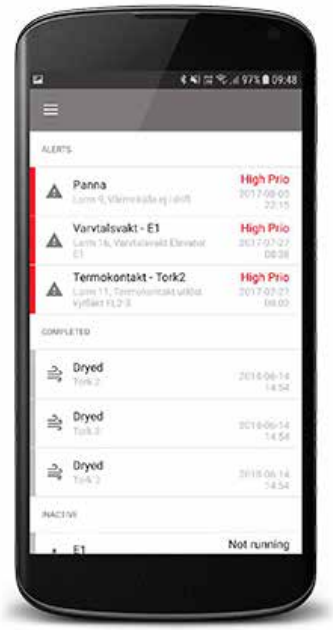
CONTROL SYSTEMS

Grain Handling Reimagined

Mepu control systems are flexible and safe to use. Owing to reliable systems, the use of grain handling solutions is easy and smooth. The dryer control systems are tailored to the customer's needs. The various options available range from traditional drying automatics to fully automatic control systems.

At Mepu, we invest in the future of intelligent drying (**Grain Awareness**), where all operations are based on automatic data collection and development.

With intelligent drying programs, the system performs the desired functions according to the grain variety, optimizing drying to its peak in cost-effectiveness. The end result is the best possible grain.



BASIC

- Appropriately customized basic user selection
- Control buttons
- Easy to use

AUTO

- Tailored completely to customer needs
- Extensive features as standard

PRO

- Tailored completely to customer needs
- Intelligent drying automation
- Speed control in grain transfer (BlockControl)
- Easy to add new equipment

CONTROL SYSTEM FEATURES	BASIC	AUTO	PRO
Drying Automation	x	x	x
Recycled batch drying	x	x	x
Drying programs for different grain varieties (Drying recipes)	x	x	x
Notifications and alerts (requires internet connection)	o	x	x
Real-time monitoring (requires internet connection)	o	x	x
Intelligent dryer control (variable drying management)	–	x	x
Data report and seasonal summary	–	x	x
Grain Cloud app: facility equipment base, data collection, stock records and remote monitoring	–	–	x
Real-time data of storage and drying	–	–	o
Speed control in grain transfer (BlockControl) (requires frequency converters or motorized shutters)	–	–	o
LIROS moisture measurement system, can be calibrated for different grain varieties	o	o	o
Touch screen 4″ + control buttons	x	–	–
Touch screen 7″ (9″ or 12″ options also available)	–	x	–
Touch screen 15″	–	–	x

x = standard equipment o = option - = not available

FOR A HEALTHIER ENVIRONMENT

DUST CONTROL

REMOVES OVER 90% OF DUST AND CHAFF.

Dust Exhaust Systems

If you're handling grain, you know dust is always a part of the process. Our new dust exhaust systems removes over 90 percent of grain dust and chaff. Dust emissions are considerably lower compared to a conventional fan without dust removal technology. Impurities can be collected into a trailer, dust container, etc.

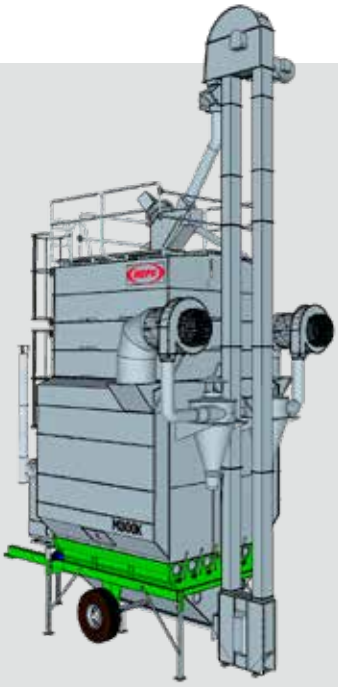
Our systems are cost-effective and make the dryer more fire proof. Having less dust and chaff around increases your work comfort considerably.

TAIFUN DUST EXHAUST FANS

- 22kW (30HP)
- Horizontal or vertical model
- Integrated centrifugal fan
- The fan shutter makes it easy to adjust the air flow
- Blow chamber inspection door
- Specially designed mesh ensures optimized flow and low noise levels
- Fully painted

STORM DUST COLLECTORS

- 7.5kW (9,4HP)
- 5.5kW (6,7HP)
- 2.2 kW (3HP)
- Horizontal or vertical model
- Attached to the dryer's axial fan
- No additional motor power required
- Galvanized material



HURRICANE Dust Exhaust System

The Modular HURRICANE dust collection channels can be installed around the intake pit as needed. Dust is drawn in from beneath the channels and through openings on the sides, directed forward to a cyclone or dust room by a vacuum cleaner. The size of the suction opening can be adjusted. The fan's power can be manually selected or allowed to be regulated by automation to achieve the set vacuum level. A vacuum pressure sensor is placed in the air duct.

EINARI Dust Container

It's easy to deal with dust coming from the pre-cleaner and sorter with Mepu's EINARI dust container. The container is made of galvanized steel. Front loader adapters are available as options.

EINARI-6

- **Width:** 233 cm
- **Length:** 195 cm
- **Height:** 280 cm
- **Volume:** 6 m^3
- Large discharge hatch
- Control window
- Manhole on the roof
- 250mm spigot for trash pipe
- Outlet air pipe 160mm

FLEXIBLE AND RELIABLE GRAIN STORAGE

GRAIN SILOS

Mepu grain silos have been designed to meet the requirements of modern grain storage down to the smallest details. Modern silos are high-quality, affordable and suitable for storage of all types of grain. The steel hopper bottom silos can be used in a versatile manner – for buffer storage or as pellet silos.

Silo wall and roof elements have exceptionally good corrosion resistance. Silo assembly by bolt joints is easy and quick. Standard delivery includes wall stiffeners, a large manhole on roof and wall, ladders with safety cages, an inlet and cover pipe for the auger and a filling aperture.

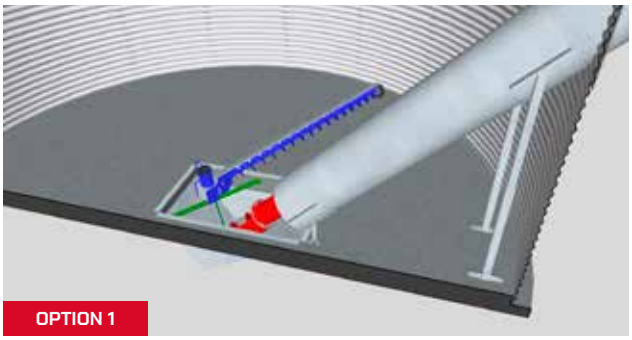
Discharge Options for Flat Bottom Silos

There are several ways to empty the Mepu silos. A flatbottomed silo can be equipped with a movable sweep auger (1) in conjunction with a pulling wheatheart screw auger. The sweep auger's maximum capacity is 25t / h.

Another option to empty a flat bottom silo is a stationary sweep auger (2) that transfers the grain to the horizontal discharge screw and then to the discharge end. Three different versions can be selected for the discharge head: horizontal, with 25 degree angle and vertical (in the picture). The discharge screw's maximum capacity is 80t / h.

OPTIONS

- Discharge augers and conveyors
- Wall support for conveyor, max. loading 600kg
- Mechanical grain level monitor
- Catwalks



OPTION 1

OPTION 2

FLAT BOTTOM SILOS

MODEL	VOLUME [M³]	Ø [M]	WALL HEIGHT [M]	HEIGHT [M]
480 / 4	68	4.8	3.3	4.5
480 / 5	84	4.8	4.13	5.33
480 / 6	100	4.8	4.95	6.15
480 / 7	116	4.8	5.78	6.98
480 / 8	132	4.8	6.6	7.8
480 / 9	148	4.8	7.43	8.63
480/10	164	4.8	8.25	9.45
480/11	180	4.8	9.08	10.28
480/12	196	4.8	9.9	11.1
480/13	212	4.8	10.73	11.93
480/14	223	4.8	11.55	12.75
560 / 4	96	5.6	3.3	4.7
560 / 5	117	5.6	4.13	5.52
560 / 6	138	5.6	4.95	6.35
560 / 7	159	5.6	5.78	7.18
560 / 8	180	5.6	6.6	8
560 / 9	201	5.6	7.43	8.83
560 / 10	222	5.6	8.25	9.65
560/11	243	5.6	9.08	10.44
560/12	264	5.6	9.9	11.26
560/13	285	5.6	10.73	12.08
560/14	306	5.6	11.55	12.9
640 / 4	124	6.4	3.3	4.9
640 / 5	151	6.4	4.13	5.73
640 / 6	178	6.4	4.95	6.55
640 / 7	205	6.4	5.78	7.38
640 / 8	232	6.4	6.6	8.2
640 / 9	259	6.4	7.43	9.03
640 / 10	286	6.4	8.25	9.85
640/11	313	6.4	9.08	10.67
640/12	340	6.4	9.9	11.49
640/13	367	6.4	10.73	12.31
640/14	394	6.4	11.5	13.13
720 / 4	156	7.2	3.3	5.1
720 / 5	190	7.2	4.13	5.93
720 / 6	224	7.2	4.95	6.75
720 / 7	258	7.2	5.78	7.58
720 / 8	292	7.2	6.6	8.4
720 / 9	326	7.2	7.43	9.23
720 / 10	360	7.2	8.25	10.05
720/11	394	7.2	9.08	10.87
720/12	428	7.2	9.9	11.69
720/13	462	7.2	10.73	12.51
720/14	496	7.2	11.5	13.33

45° STEEL HOPPER BOTTOM SILOS

MODEL	VOLUME [M³]	Ø [M]	WALL HEIGHT [M]	HEIGHT [M]
480 / 4	85	4.8	6.2	7.4
480 / 5	101	4.8	7.03	8.23
480 / 6	117	4.8	7.85	9.05
480 / 7	133	4.8	8.68	9.88
480 / 8	149	4.8	9.5	10.7
480 / 9	165	4.8	10.33	11.53
480 / 10	181	4.8	11.15	12.35
480/11	196	4.8	11.97	13.61
480/12	212	4.8	12.79	14.43
480/13	228	4.8	13.61	15.25
480/14	244	4.8	14.43	16.07
560 / 4	118	5.6	6.6	8
560 / 5	139	5.6	7.43	8.82
560 / 6	160	5.6	8.25	9.65
560 / 7	181	5.6	9.08	10.48
560 / 8	202	5.6	9.9	11.3
560 / 9	223	5.6	10.73	12.13
560 / 10	244	5.6	11.55	12.95
560/11	265	5.6	12.37	13.77
560/12	286	5.6	13.19	14.59
560/13	307	5.6	14.01	15.41
560/14	328	5.6	14.83	16.23
640 / 4	154	6.4	7	8.6
640 / 5	181	6.4	7.83	9.43
640 / 6	207	6.4	8.65	10.25
640 / 7	234	6.4	9.48	11.08
640 / 8	261	6.4	10.3	11.9
640 / 9	288	6.4	11.13	12.73
640 / 10	315	6.4	11.95	13.55
640/11	342	6.4	12.77	14.37
640/12	369	6.4	13.59	15.19
640/13	396	6.4	14.41	16.01
640/14	423	6.4	15.23	16.83
720 / 6	271	7.2	9.18	10.78
720 / 7	305	7.2	10	11.6
720 / 8	339	7.2	10.83	12.43
720 / 9	373	7.2	11.65	13.25
720 / 10	407	7.2	12.48	14.08
720/11	441	7.2	13.3	14.9
720/12	475	7.2	14.12	15.72
720/13	509	7.2	14.94	16.54
730/14	543	7.2	15.76	17.36

THE LATEST IN STORAGE INNOVATION

INNER CONE SILOS

NEW PRODUCT

Inner Cone Silo 30°

Mepu's new inner cone is available with a smooth bottom or a perforated ventilation bottom. Aeration laterals can also be fitted as an additional accessory. The inner cone can also be installed in older flat-bottomed silos.

For the tall model, the inner cone can be emptied with a Wheatheart auger or Skandia I- and L-conveyors. Ready-made connections to the silo wall are available for conveyors and augers. The low inner cone can be conveniently emptied with a Wheatheart auger. If necessary, we can also supply the silo with other discharge connections.

OPTIONS

- Discharge screws and conveyors
- Conveyor support, max. load 600kg
- Maintenance platform and ladders for the manhole
- Grain level monitors
- Brush ventilation for the smooth inner plate
- Ventilation connection Ø 500/630 mm for air duct

Ø5,6M INNER CONE SILO (HIGH)

MODEL	Ø [M]	[M³]	HEIGHT [M]	WALL HEIGHT[M]	VENTS*
560 / 7	5.6	117	7.2	5.8	4
560 / 8	5.6	138	8.0	6.6	4
560 / 9	5.6	159	8.8	7.4	4
560 / 10	5.6	180	9.7	8.3	4
560/11	5.6	201	10.5	9.1	4
560/12	5.6	222	11.3	9.9	5
560/13	5.6	243	12.1	10.7	5
560/14	5.6	264	13.0	11.6	5

*Applies only to perforated models.
Measurements for both the smooth and perforated models.

Ø6,4M INNER CONE SILO (HIGH)

MODEL	Ø [M]	[M³]	HEIGHT [M]	WALL HEIGHT[M]	VENTS*
640 / 7	6.4	139	7.4	5.8	5
640 / 8	6.4	166	8.2	6.6	5
640 / 9	6.4	193	9.0	7.4	5
640 / 10	6.4	220	9.9	8.3	5
640/11	6.4	247	10.7	9.1	5
640/12	6.4	274	11.5	9.9	5
640/13	6.4	301	12.3	10.7	5
640/14	6.4	328	13.2	11.6	5

*Applies only to perforated models.
Measurements for both the smooth and perforated models.

Ø5,6M INNER CONE SILO (LOW)

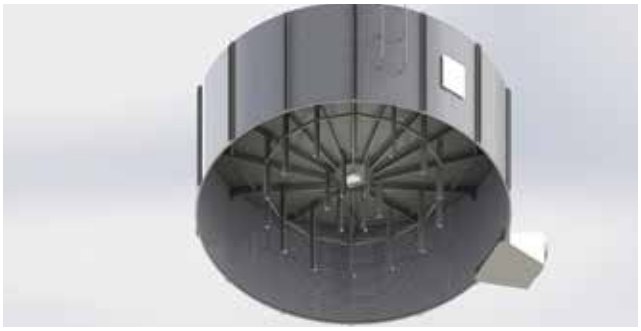
MODEL	Ø [M]	[M³]	HEIGHT [M]	WALL HEIGHT[M]	VENTS*
560 / 6	5.6	117	6.4	5.0	4
560 / 7	5.6	138	7.2	5.8	4
560 / 8	5.6	159	8.0	6.6	4
560 / 9	5.6	180	8.8	7.4	4
560 / 10	5.6	201	9.7	8.3	4
560/11	5.6	222	10.5	9.1	4
560/12	5.6	243	11.3	9.9	5
560/13	5.6	264	12.1	10.7	5
560/14	5.6	285	13.0	11.6	5

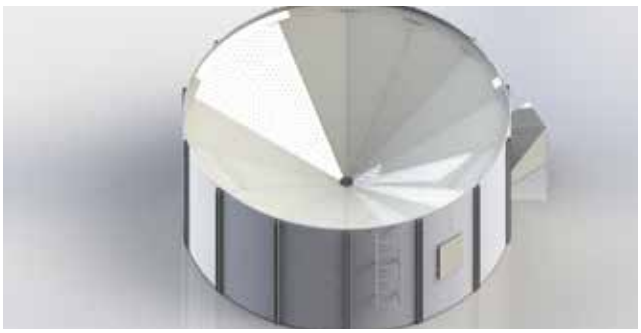
*Applies only to perforated models.
Measurements for both the smooth and perforated models.

Ø6,4M INNER CONE SILO (LOW)

MODEL	Ø [M]	[M³]	HEIGHT [M]	WALL HEIGHT[M]	VENTS*
640 / 6	6.4	139	6.6	5.0	5
640 / 7	6.4	166	7.4	5.8	5
640 / 8	6.4	193	8.2	6.6	5
640 / 9	6.4	220	9.0	7.4	5
640 / 10	6.4	247	9.9	8.3	5
640/11	6.4	274	10.7	9.1	5
640/12	6.4	301	11.5	9.9	5
640/13	6.4	328	12.3	10.7	5
640/14	6.4	355	13.2	11.6	5

*Applies only to perforated models.
Measurements for both the smooth and perforated models.

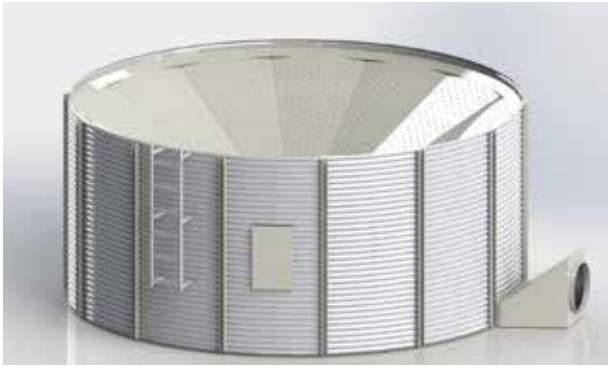


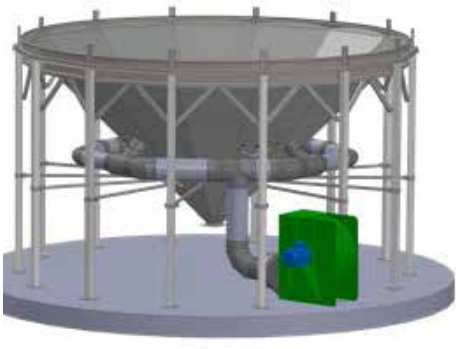


KEEP YOUR GRAIN FRESH

3IN1 SYSTEM

An aeration system can be installed in both 45° and 30° steel hopper bottoms. Grain can be stored directly in a silo equipped with an aeration system after harvesting, allowing it to aerate. This means the silo can also be utilized as a buffer storage. For flat-bottomed silos, a ventilation system can be installed, enabling the silo to serve as an excellent cooler for dried grain. Ventilation ensures the quality of the grain and prevents temperature rise within the grain silo.





Aeration Floors

Y AERATION
The ventilation system consists of channels made of concrete casting, with a width of 500 mm. The channel is covered with perforated steel plates. The air blown into the channel passes through the perforated plate into the grain mass. It can be installed in all Mepu flat-bottom silos.

AF AREATION
An AF aeration floor can be installed in flat-bottom silos. Air is blown underneath the aeration floor and passes through the perforated plate into the grain mass. This allows the silo to function excellently as a high-quality grain storage.

The Benefits of Grain Aeration

Aeration greatly improves the storability of grain by maintaining a cool, uniform temperature throughout the storage. It reduces mold development and insect activities – both issues that relate to moisture content and temperature – and prevents moisture migration. When grain is stored correctly, it will not only last longer but it will provide more value for farmers and producers. Keeping the grain cool will:

Reduce insect infestation	Prevent mold growth	Assist in balancing moisture levels	Assist in balancing temperature

Let it breathe.

Well aerated storage is the key to success. Our innovative ventilation systems will keep your grain fresh from farm to table. This is the way.

LARGE SCALE STORAGE SOLUTIONS

INDUSTRIAL SILOS

The versatility of industrial silos allows them to be suitable for various industries, including breweries, ports, factories, grain drying, and the storage of raw materials for the plastics industry and biofuels. The galvanization strength of the wall elements is up to 600g/m^2. The roof elements are made from Magnelis® material, providing unprecedented protection against corrosion for surfaces and seams, even in harsh conditions.

Standard equipment includes wall stiffeners, a large manhole, ladders, a fill opening, and an inspection hatch on the roof, as well as bolts and nuts. Assembling the silo with bolted connections is easy and quick. With a wide range of additional accessories, we can offer a storage solution that perfectly meets your needs.

FLAT BOTTOM INDUSTRIAL SILOS

Ø3 - 32m / 35 - 25 500m^3

HOPPER BOTTOM INDUSTRIAL SILOS

Ø4.6 - 12.23m / 95 - 4 394m^3

EFFICIENT GRAIN DRYING AND HIGH-QUALITY STORAGE

SQUARE SILO STORAGE SYSTEMS

TAILOR MADE TO YOUR NEEDS

Customizable Storage

The Mepu square silo storage system is carefully designed and spacious, offering a product range that can be customized to meet the specific needs of individual customers. The six basic layouts for the square silo storage system base are highly adaptable, allowing for an increase in the number and height of silos.

The intake hopper, dryer, and sorting facilities can be integrated within the comprehensive dryer complex, streamlining grain handling processes under one roof. Additionally, external wall elements can be supplied with a painted finish.

Automation and Remote Control

Automation capabilities enable remote control. By incorporating additional equipment, the user-friendly control center of the dryer can be automated. This allows for remote control of the dryer from a home PC or a tablet, even from the cab of a tractor. Modern dryer technology efficiently manages loading and unloading processes automatically, ensuring seamless operation of the dryer.

OPTIONS

- Hopper steel parts and grate
- Stair steps
- Ventilation system
- Silo cover hatches and grates

MODULAR GRAIN STORAGE

SQUARE SILOS

Mepu's versatile silo system facilitates quick construction of storage facilities in a new or existing building. The different silo elements can easily be assembled into a storage system that perfectly suits the customer's needs and premises.

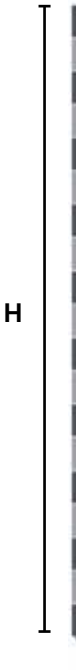
Mepu square silos blend well with the environment. When installing a square silo, the space available can be utilized efficiently and the vertical poles carries the load of square silo building structure. After sealing with a suitable sealant, the elements are directly usable as external walls. The elements and posts can also be painted to the desired colour.

The Mepu silo system is CE marked, which means that the system complies with all the related EU requirements for durability and structure. The horizontally profiled elements made of galvanized steel are quick and simple to install. The silos are assembled using bolted joints.

Our Flat Bottom and Cone Bottom Silo Range

The range includes both flat bottom and cone bottom silos. Cone bottom silos are available with 160 – 250mm unloading cones. Flat bottom and cone bottom silos can be equipped with manholes. Additionally, flat bottom silos can be equipped with an auger lead-through and with straight and inclined unloading connection to the silo wall element.

We offer a wide range of accessories; for example, there are several shutter options available.



	2000MM		2500MM		3000MM	
T	H [M]	2	1	2	1	2	1
1	0.84	1.5	3	1.5	3	1.5	3
2	1.68	1.5	3	1.5	3	1.5	3
3	2.52	1.5	3	1.5	3	1.5	3
4	3.36	1.5	3	1.5	3	2.5	3
5	4.2	1.5	3	1.5	3	2.5	3
6	5.04	1.5	3	2	3	2.5	3
7	5.88	1.5	3	2	3	2.5	3
8	6.72	1.5	3	2	3	2.5	5
9	7.56	1.5	3	2	3	3	5
10	8.4	1.5	3	2	5	3	6
11	9.24	1.5	3	2.5	5	3	6
12	10.08	1.5	5	2.6	6		
13	10.88	1.5	5	2.7	6		
14	11.68	1.5	5				
15	12.48	1.5	5				
16	13.28	1.5	5				
17	14.08	1.5	5				
18	14.88	1.5	5				
19	15.68	1.5	5				

T Layer
H Silo height
2 Element thickness
1 Silo pole thickness

We believe in true modularity.

Modular solutions make life easier. Products that are simple to upgrade in the future are valuable in many ways. Modularity combined with top-quality translates to an increased life span of your equipment. It’s time to invest in modularity.

EFFICIENCY RIGHT FROM THE START

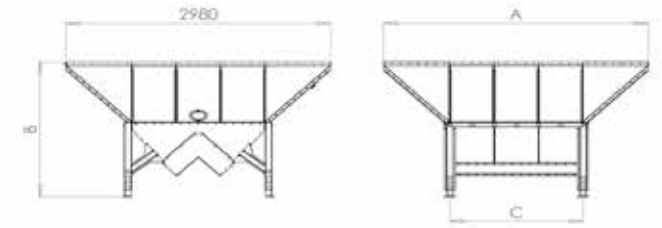
INTAKE HOPPERS

The Mepu range includes small and large hoppers to meet the needs of all customers. We offer drive-over hoppers, self-supporting hoppers equipped with a chain conveyor, and traditional intake pits for dryer houses. The hoppers are assembled using bolted joints. The chain conveyors and bucket elevators of Mepu hoppers are seamlessly compatible with Mepu dryers and other equipment. Owing to our wide product range, assembly of functional solutions excellent for grain handling is easy.

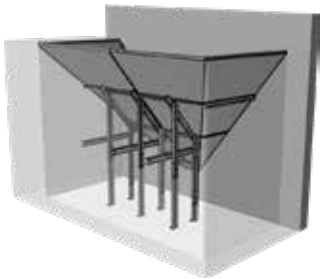
Drive-Over Intake Hopper for Conveyor (Low)

This intake hopper is meant for locations requiring high grain receiving capacity. It is built inside concrete walls.

The Drive-over intake hopper has steep and smooth walls, effectively preventing bridging. The presence of a manhole on the side wall makes cleaning the pour-over pit easy. The walls of the drive-over pit have a 45° casting angle, effectively preventing bridging. The product is compatible with the Skandia conveyor. The conveyor is sold separately.

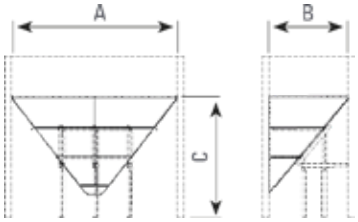


MODEL	A [MM]	B [MM]	C [MM]	[M³]
M30 KTIG 40-40 (100t)	2980	1768	1500	4.7
M35 KTIG 40-40 (100t)	3480	1768	2000	5.8
M40 KTIG 40-40 (100t)	3980	1768	2500	6.9
M45 KTIG 40-40 (100t)	4480	1768	3000	8
M50 KTIG 40-40 (100t)	4980	1768	3500	9.1
M30 KTIG 30-40 (80t)	2980	1768	1500	4.7
M35 KTIG 30-40 (80t)	3480	1768	2000	5.8
M40 KTIG 30-40 (80t)	3980	1768	2500	6.9
M45 KTIG 30-40 (80t)	4480	1768	3000	8
M50 KTIG 30-40 (80t)	4980	1768	3500	9.1
M30 KTIG 20-40 (60t)	2980	1768	1500	4.7
M35 KTIG 20-40 (60t)	3480	1768	2000	5.8
M40 KTIG 20-40 (60t)	3980	1768	2500	6.9
M45 KTIG 20-40 (60t)	4480	1768	3000	8
M50 KTIG 20-40 (60t)	4980	1768	3500	9.1
M30 KTG (60t)	2980	1768	1500	4.7
M35 KTG (60t)	3480	1768	2000	5.8
M40 KTG (60t)	3980	1768	2500	6.9
M45 KTG (60t)	4480	1768	3000	8
M50 KTG (60t)	4980	1768	3500	9.1



Intake Pit

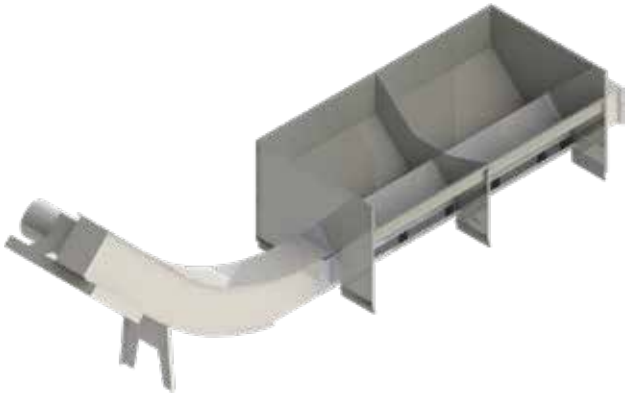
The simple and robust intake pit assembled inside concrete walls by bolted joints is good for dryer houses and mobile dryers equipped with a bucket elevator. The intake pit can be connected directly to the bucket elevator, in which case the grain flows by gravity. Grates and support set assembled by bolted joints under the hopper are available as accessories.



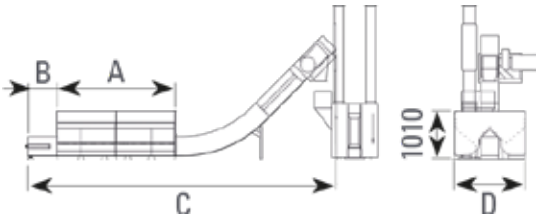
MODEL	A [MM]	B [MM]	C [MM]	[M³]
2 × 4	3 950	1 890	3 032	7.6
2 × 5	4 950	1 890	3 032	9.5
2,5 × 5	4 950	2 390	3 618	12.4
3 × 6	5 950	2 890	4 229	21

Low Intake Hopper with Chain Conveyor

A hopper set assembled on level ground and including a chain conveyor and the required elevator connection components. You can load a larger amount of grain into the hopper and the chain conveyor takes care of transporting the grain. The hopper does not require additional support structures around it. The tipping height exceeds that of the lower options.



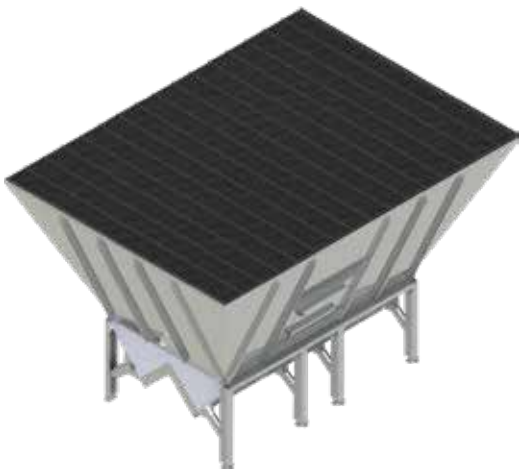
MODEL	A [MM]	B [MM]	C [MM]	D [MM]	[M³]
KTG (60t)	2 500	600	5 901	1 260	2
KTG (60t)	3 500	600	6 900	1 260	3
KTIG 30-40 (80t)	2 500	600	6 543	1 500	2.5
KTIG 30-40 (80t)	3 500	600	7 543	1 500	3.5
KTIG 30-40 (100t)	2 500	600	6 554	1 500	2.5
KTIG 30-40 (100t)	3 500	600	7 554	1 500	3.5



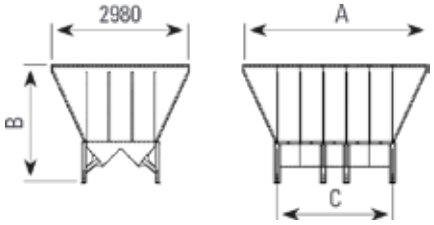
Drive-Over Intake Hopper

Intake hopper assembled inside concrete walls and equipped with an efficient chain conveyor for applications that require a large grain reception capacity. The hopper is steep-sided and smoothsurfaced, which efficiently prevents arching. Cleaning of the hopper is easy owing to a manhole in the side wall.

The additional equipment available includes support beams for embedding in cast concrete and sturdy grates allowing driving over the hopper by tractor or truck.

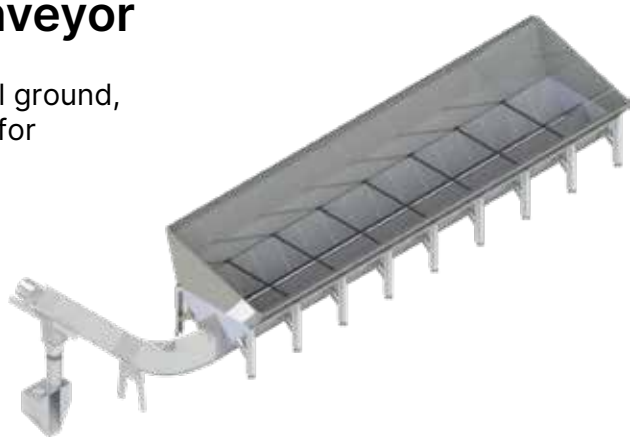


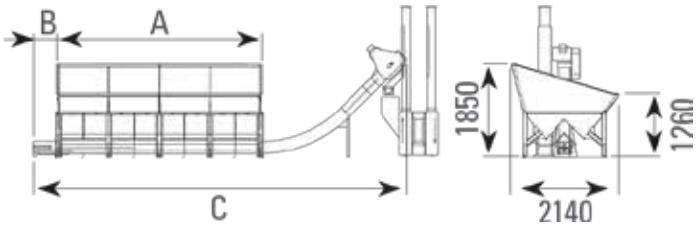
MODEL	A [MM]	B [MM]	C [MM]	[KG]	[M³]
KTG (60t)	2 980	2 632	1 500	630	9.5
KTG (60t)	3 480	2 632	2 000	730	11.5
KTG (60t)	3 980	2 632	2 500	840	13.5
KTG (60t)	4 480	2 632	3 000	950	16
KTG (60t)	4 980	2 632	3 500	1 050	18
KTIG 20-40 (60t)	2 980	2 632	1 500	620	9.5
KTIG 20-40 (60t)	3 480	2 632	2 000	720	11.5
KTIG 20-40 (60t)	3 980	2 632	2 500	820	13.5
KTIG 20-40 (60t)	4 480	2 632	3 000	920	16
KTIG 20-40 (60t)	4 980	2 632	3 500	1 020	18
KTIG 30-40 (80t)	2 980	2 592	1 500	620	9.5
KTIG 30-40 (80t)	3 480	2 592	2 000	720	11.5
KTIG 30-40 (80t)	3 980	2 592	2 500	820	13.5
KTIG 30-40 (80t)	4 480	2 592	3 000	900	16
KTIG 30-40 (80t)	4 980	2 592	3 500	1 000	18
KTIG 40-40 (100t)	2 980	2 552	1 500	600	9.4
KTIG 40-40 (100t)	3 480	2 552	2 000	700	11.5
KTIG 40-40 (100t)	3 980	2 552	2 500	800	13.6
KTIG 40-40 (100t)	4 480	2 552	3 000	890	15.6
KTIG 40-40 (100t)	4 980	2 552	3 500	980	17.7



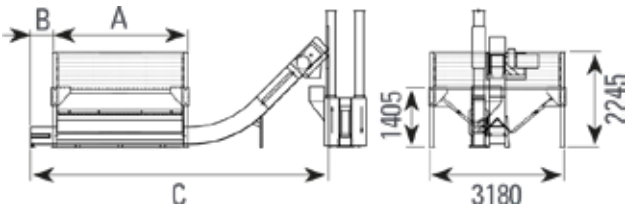
Intake Hopper with Chain Conveyor

A low and light hopper quickly assembled on level ground, includes a chain conveyor and pivoted couplings for connection to the elevator. This means that the hopper can be positioned quite freely with respect to the elevator.





MODEL	A [MM]	B [MM]	C [MM]	[M³]
KTG (60t)	4 000	600	7 400	7
KTG (60t)	6 000	600	9 400	10
KTG (60t)	8 000	600	11 400	14
KTIG 30-40 (80t)	4 000	600	8 043	7
KTIG 30-40 (80t)	6 000	600	10 043	10
KTIG 30-40 (80t)	8 000	600	12 043	14
KTIG 30-40 (100t)	4 000	600	8 054	7
KTIG 30-40 (100t)	6 000	600	10 054	10
KTIG 30-40 (100t)	8 000	600	12 054	14

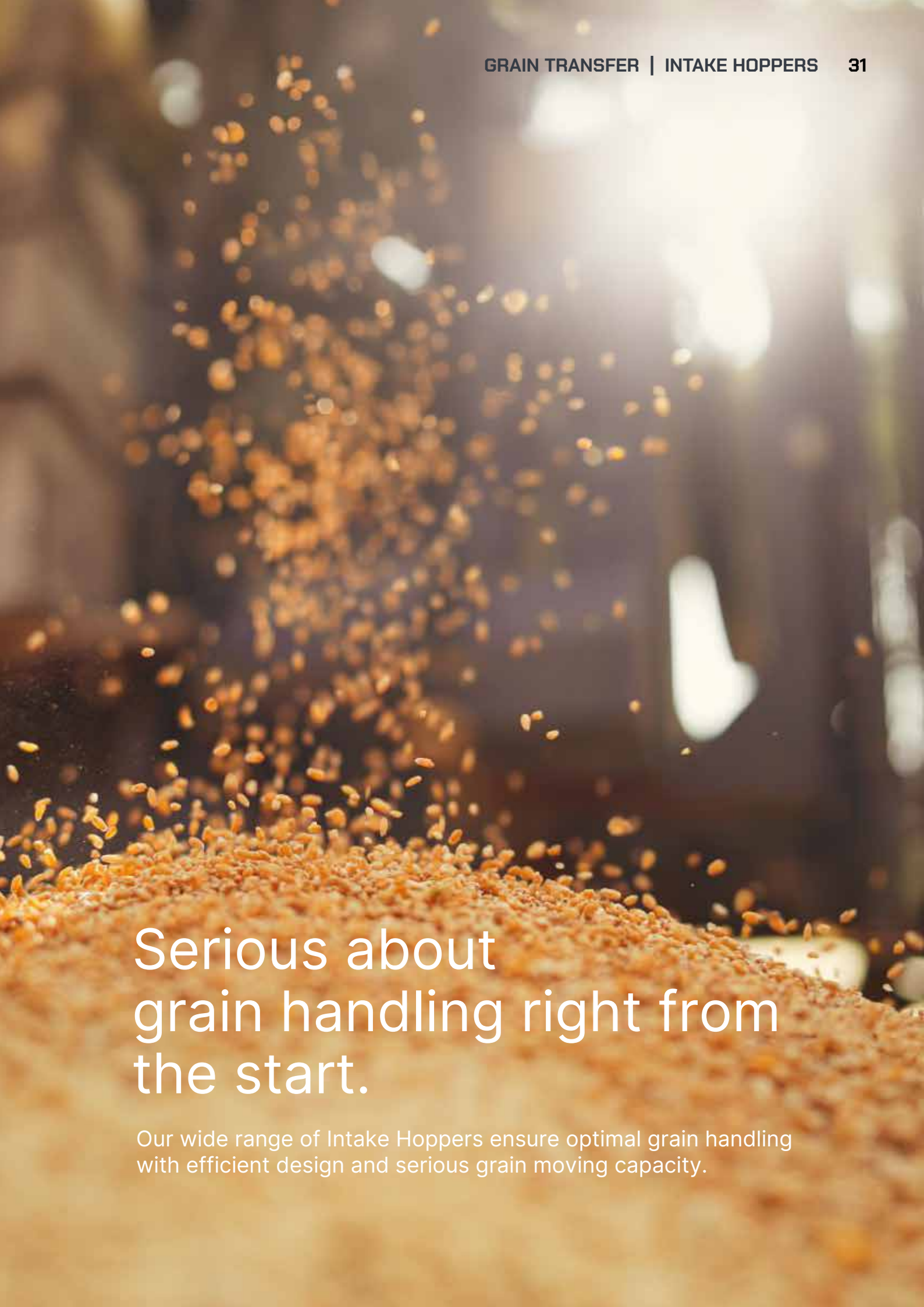


Large Intake Hopper with Chain Conveyor

A more robust version of the low Mepu hopper with the same features. Compatible with all dryers equipped with a bucket elevator. Owing to the great size, the hopper can also be used for grain storage.

MODEL	A [MM]	B [MM]	C [MM]	[M³]
KTG (60t)	2 180	600	5 400	9
KTG (60t)	3 180	600	6 400	12
KTG (60t)	4 270	600	7 400	18
KTIG 30-40 (80t)	3 180	600	7 043	12
KTIG 30-40 (80t)	4 270	600	8 043	18
KTIG 40-40 (100t)	3 180	600	7 053	12
KTIG 40-40 (100t)	4 270	600	8 053	18
KTIG 40-40 (100t)	6 285	600	10 053	24

For large intake hoppers (length 3180mm or 4270mm) there's an steel canopy available as an option! The canopy height can be increased with extra layers.



Serious about grain handling right from the start.

Our wide range of Intake Hoppers ensure optimal grain handling with efficient design and serious grain moving capacity.

ROBUST GRAIN TRANSFER

ELEVATORS & CHAIN CONVEYORS

A Reliable Complete Solution

The versatile range of Mepu conveyors has been developed for meeting the various capacity and automation requirements of the customers. Together with other Mepu products, our high-quality elevators and chain conveyors form a functional and reliable complete solution ensuring maximum conveyance efficiency.

All conveyor products are made of galvanized steel, which means that they are also ideally suited for outdoor use.

The Mepu range includes elevators and chain conveyors for small and medium-sized farms, as well as for large farms and industrial facilities.

L SERIES 30 - 60T

The L series is particularly suitable for small and medium-sized farms where grain processing mainly takes place during the harvesting period (annual amount of grain processed under 30 000t).

I SERIES 40 - 150T

The I series is intended for medium sized and large farms, drying plants and commercial grain storage facilities where grain is handled on year-round basis (annual amount of grain processed 30 000 – 50 000t).

H SERIES 60 - 600T

The H series is intended for large farms and industrial applications, continuous daily and year-round use (annual amount of grain processed over 50 000t)

MEPU Elevators

Elevators made of galvanized steel convey the grain fast and reliably without damaging it.

Elevator structure is self-supporting. There are open belt pulleys in the head and bottom. The direct drive gear motor is reliable in all conditions and almost maintenance-free. The design of the bottom enables maximum filling for the buckets – even with wet grain.

The elevator is easy to clean through large hatches. As an option, a pre-cleaner attached to top part keeps the working area dust-free while conveying the grain.

The speed control, 3-way divider, inlet for the intake pit and 4 x Ø200 inlet are included as standard equipment.

OPTIONS

- Pre-cleaner
- Motored 3-way divider
- Motored shutter
- Inlet 2 x Ø200
- Service platform
- Supports

MODEL	A68	A92	A118
Motor [kW]	4	5.5/7.5	7.5
Belt width [mm]	140	170	170
Cup amount [pcs / m]	7	6	6
Cup size [mm]	140	180	200
Elevator pipe [Ø mm]	210	280	280
3-way divider [Ø mm]	160	200	200

RELIABLE AND EFFICIENT

WHEATHEART AUGERS

The durable and long-lasting augers by Wheatheart are manufactured in one of the world's largest specialised factories in Canada. The powerful and reliable augers enables effortless and quick transfer of substantial grain volumes.

GRAIN TRANSFER CAPACITY UT:

6" = 43 tons / hour
8" = 81 tons / hour
10" = 114 tons / hour

GRAIN TRANSFER CAPACITY WHR:

8" = 81 tons / hour
10" = 130 tons / hour

The physiological properties of grain always affect the capacity. The capacity specified has been tested with dry wheat (75kg / hl) at a 15° angle, with 85% feed capacity. If the angle increases to 30 degrees, the capacity drops by 20 – 25%. If the angle increases to 45 degrees, the-capacity drops by 35 – 40%. Grain can be crushed when transferred by screw auger. The screw auger is intended for use at an ascending angle

OPTIONS

Wire support / Remote feed control

200mm/250mm pipe connection to the discharge end

Hopper / 160mm/200mm pipe connection to the hopper

Inlet with 5° notches / Knife shutter

Discharge pipes

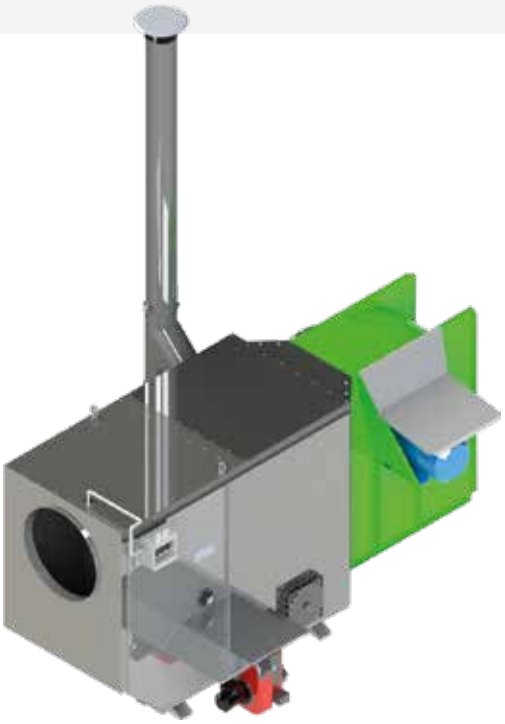
Pulling Auger (UT)

The easy-to-use pulling Wheatheart auger (UT) is an efficient grain conveyor, the reliability of which is ensured by its sturdy and simple structure. The pulling auger is intended for professional use. It is perfectly suitable for long-term continuous use, for both silo filling and emptying purposes.

The length of the Wheatheart 6”, 8” and 10” UT augers ranges between 5 and 18.5 metres at 1.5-metre step. The standard equipment includes a motorized base part of the auger, extensions required (pipe + flight), feed adjuster (closure hatch), feed end bearing set, and support band for the fastening lines.

ECONOMIC AND POWERFUL

DRYER FURNACES



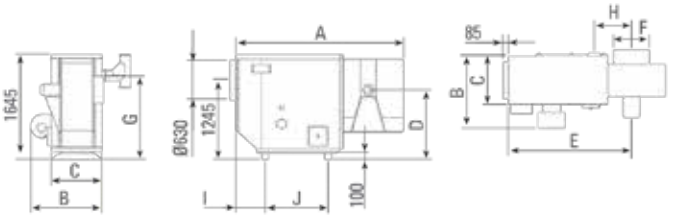
Overpressure Furnaces Ensure Excellent Efficiency

The efficiency of Mepu overpressure furnaces is one of the best on the market. All of the furnaces are equipped with Finnish-made Oilon oil burners.

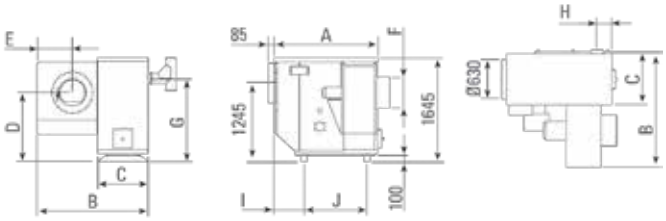
Fire chambers made of fire proof steel and stainless steel heat exchangers ensure long service life of the furnaces. The fan configuration can be changed.

MODEL	210	250	310	400	500
A [mm]	2670	2670	2810	3092	3280
B [mm]	1200	1200	1300	1570	1570
C [mm]	850	850	950	1050	1050
D [mm]	1095	1065	1015	1005	1005
E [mm]	2108	2140	2230	2440	2645
F [Ø mm]	500	630	630	630	630
G [mm]	1410	1410	1395	1395	1395
H [mm]	703	735	640	720	890
I [mm]	–	–	550	560	560
J [mm]	–	–	1000	1185	1185
Heating power [kW]	210	250	310	400	500
Nozzle [gal]	4	4+2	5+2	6+3	8.5+4
Spraying angle [°]	80	80	80	80	80

END BLOW



SIDE BLOW



Direct Gas Burners Utilize Fuel with an 100% Efficiency

Natural gas or liquefied petroleum gas characterised by exceptionally low emission rates are used as the fuel for Mepu direct gas burners. This allows leading the flue gases directly into the drying air, which means that no energy is lost. The power of the burners can be steplessly adjusted down all the way to ten percent of the rated power.

LINE BURNERS
814 - 16 280 kW (0.6 – 15.9 MBTU)

CHANNEL BURNERS
175 - 4 650 kW (2.8 – 55.5 MBTU)

Wood Chip Furnaces for Affordable Heat

The Mepu wood chip furnaces produce heat at exceptionally low operating costs. You can for example burn wood chips, peat, pellets and pre-cleaner waste with the wood chip furnace. The wood chip furnace can easily be integrated into grain drying systems, since its own easy-to-use logic control will take care of the furnace's operation and the grain dryer's control system will take care of the dryer's operation.

The furnace fan configuration can be changed during ordering. The 500 – 950kW wood chip furnace by Mepu can be equipped with an 11 – 18.5kW centrifugal fan, if required. Further efficiencies can be reached by using several wood chip furnaces to supply sufficient energy for larger dryers.

The environmentally friendly wood chip furnaces are durable and allow significant savings in energy costs. The efficiency of the Mepu wood chip furnace's heat exchanger is excellent.

The Negative-pressure Furnaces are Powerful Enough for even the Largest Dryers

Mepu's negative-pressure furnaces produce a high thermal power economically and with excellent efficiency, thereby meeting the needs of even the largest dryers. Negative-pressure furnaces are suitable for the drying of both seed grain and fodder. They can be easily converted to operate on gas just by replacing the burner. All of the furnaces are equipped with Finnish-made Oilon oil burners.

MODEL	LENGTH A [CM]	WIDTH B [CM]	BURNER [MODEL]	FAN [KW]
500 kW	331	169	KP50H 2-flame	according to drying volume
750 kW	443.5	145	KP80H 2-flame	according to drying volume
1000 kW	541.1	181.4	KP90H 2-flame	according to drying volume

SUSTAINABLE GRAIN DRYING

BIO HEATING CONTAINER

Revolutionizing Sustainable Grain Drying Heat

Mepu's portable bioheat system is a ready-made and very fuel-efficient solution that can be placed almost anywhere without major modifications. Delivered already electrified.

The bioheat container is equipped with a Säätötuli burner (manufactured by Ariterm Service Oy), known for its efficiency. Cast iron and ceramics are durable materials that guarantee a long service life of the burner.

The strong and durable pull bar feeder is equipped with a galvanized fuel storage silo, which size can be increased with additional layers. The pull bar feeder is available in two sizes: 2×2m (7-9m^3) or hydraulic 3×3m (16-19m^3).

FEATURES

- Bio heater, flue piping, flue gas fan, pull bar feeder, fuel storage
- Burner with automatic ignition
- Mechanical ash removal
- Main fan with frequency converter
- GSM-alarm as standard equipment
- Fire and heat insulated (EI60)

MODEL	200 KW	300-400 KW	650 KW	950 KW
Burner [kW]	200	300-400	650	950
Fan [kW]	5.5 / 7.5	7.5 / 11	11 / 15	15 / 18.5
Flue gas fan [kW]	2.2	2.2	2.2	2.2
Air amount [m^3 / h]	17 000 / 21 500	21 500 / 24 500	24 500 / 34 000	34 000 / 36 000

Extraordinary Power Output

Our tests have shown that the Bio Heating Container is able to transform its wood chip fuel to heat at an extraordinary efficiency.

Sustainable Wood Chips for Fuel

The Bio Heating Container gets its name from the environmentally friendly fuel that is used to power the the furnace. Wood chips are a renewable energy source and the clean burning of the furnace ensures a minimal CO_2 footprint.

COMPLETE YOUR SYSTEM

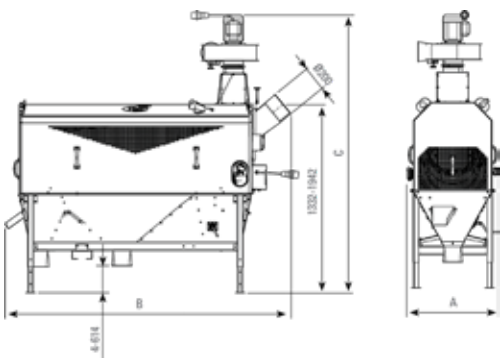
OTHER PRODUCTS

MAJOR 2000 Grain Sorter

Grain sorter Major 2000 by Mepu is equipped with a rotary screening drum ensuring uniform sorting results. Owing to its careful designed structure, the sorter is small in size but large in capacity. The quiet, efficient and reliable Mepu sorter is easy to install and use. Owing to its careful designed structure, the machine does not vibrate or require constant supervision. The need for maintenance is modest as well.

OUTER SIEVE	INNER SIEVE	OATS	BARLEY	WHEAT	RYE	RAPE-SEED	PEA	BROAD BEAN
2 × 20mm	Ø8mm	SG	PR	–	–	–	–	–
2 × 20mm	Ø10mm	SG	–	–	–	–	–	–
2 × 20mm	4 × 15mm	–	PR	–	–	–	–	–
2 × 20mm	5 × 30mm	PR	–	–	–	–	–	–
2.3 × 20mm	Ø8mm	SG	SG	SG	SG	–	–	–
2.3 × 20mm	Ø10mm	SG	SG	SG	SG	–	–	–
2.3 × 20mm	4 × 15mm	SG	SG	SG	–	–	–	–
2.5 × 20mm	Ø8mm	–	MB / SG	SG	–	–	–	–
2.5 × 20mm	Ø10mm	–	MB / SG	SG	–	–	–	–
2.5 × 20mm	4 × 15mm	–	MB / SG	SG	–	–	–	–
2.7 × 20mm	Ø8mm	–	MB / SG	–	–	–	–	–
2.7 × 20mm	Ø10mm	–	MB / SG	–	–	–	–	–
5 × 30mm	Ø10mm	–	–	–	–	–	PR / SG	–
5 × 30mm	Ø12mm	–	–	–	–	–	PR / SG	–
5 × 30mm	Ø15mm	–	–	–	–	–	–	PR / SG
Ø3mm	Ø6mm	–	–	–	–	PR	–	–
Ø3mm	4 × 15mm	–	–	–	–	PR	–	–
3.2 × 20mm	Ø8mm / Ø10mm	Separation of ergot or spelt PR / SG						
3.4 × 20mm	Ø8mm / Ø10mm	Separation of ergot or spelt PR / SG						

SG = SEED GRADING
PR = PREPARATION
MB = MALTING BARLEY



The pre-cleaner separates dust and other impurities from grain, peas, and rapeseed with equal efficiency.

The speed and inclination angle of the screening drums are available in several screen hole sizes can be adjusted steplessly while the machine is in operation.

Seed Cleaner

Our seed cleaner separates damaged grain, weed seeds and other impurities from the grain. These are particles that the pre-cleaner will not able to remove normally. The clever design allows mounting on almost any dryer – also compatible with other brands!

SEED CLEANER

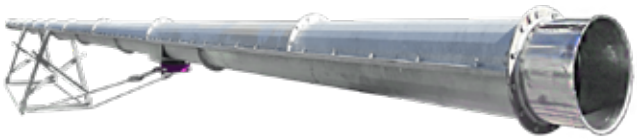
- The Seed Cleaner has a sample hatch and spreading plate as standard
- Standard sieves: solid, 2mm and 2.5mm
- Other sieve sizes available

Pipe Systems

Mepu grain pipes are the most versatile pipe system designed for grain transfer on the market. Grain pipes are available in three different sizes: Ø160mm, Ø200mm and Ø250mm. Using the quick coupling it's easy and quick to connect various pipe parts into a compact system without the use of tools.

Truly Modular Grain Pipes

No more bending and leaking pipelines! New modular grain pipes by Mepu are fast and easy to assemble and are extremely durable. They've got self-supporting structure and need supports at 6m intervals. Longer structures can be supported with lattice / cable support.



FEATURES

- Bolted flange mounting
- Worn parts are easily replaceable
- Galvanized steel (t=1.5 mm)
- Diameters: Ø200mm / Ø250mm / Ø300mm
- Lengths: 100cm and 200cm

BUILT TO LAST

COMPLETE GRAIN HANDLING SOLUTIONS

FJM PASZE (CZARNE PIĄTKOWO, POLAND)

UKRLANDFARMING (ŽYTOMYR, UKRAINE)

BEATEBERGS SÄTERI (RIMBO, SWEDEN)

SIA AGRIKULA (BARKAVA, LATVIA)

KOHT-NORDBYE (EIDSBERG, NORWAY)

VIHERVAKKA (RIIHIKOSKI, FINLAND)

Our products are built to last.

Our products are manufactured to withstand a harsh nordic climate. We use the best materials and the latest technology to produce market leading innovations. Well built grain handling solutions last from one generation to the next.

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GET IN TOUCH

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