

The AGI logo is positioned on the left side of the page, overlaid on a dark green vertical band. It features the letters "AGI" in white, bold, sans-serif font, with the same stylized graphic element as seen in the top right corner.

# *FERTILIZER SYSTEMS*





**ADVANCING  
STORAGE, HANDLING  
AND PROCESSING  
SOLUTIONS THAT  
STRENGTHEN AND  
SECURE THE GLOBAL  
FOOD SUPPLY CHAIN.**

AGI is a global leader in supplying farm and commercial customers with the manufacturing, planning, and engineering of full equipment solutions for grain, fertilizer, seed, feed, and food. AGI's expertise enables the storage, blending, mixing, conveying, conditioning, processing, and protection of agricultural products and inputs worldwide.



MANUFACTURING FACILITIES

**28**

MANUFACTURING FACILITIES  
AROUND THE WORLD

SALES INTO **>100** COUNTRIES



## ABOUT AGI EMEA

For over 30 years, AGI's Europe, Middle East, and Africa (EMEA) division has been focused on providing manufacturing solutions that meet the unique needs of key grain, rice, feed and fertilizer producing areas of the world. From its headquarters in Ozzano dell'Emilia, Bologna, Italy, as well as its two state-of-the-art manufacturing facilities in Fiesso d'Artico and Este, Italy, AGI EMEA serves a wide range of customers in various industry sectors including farm, grain trading, milling and feed mills.

From initial design, to manufacturing, to installation, AGI has earned its reputation as a trusted partner for turnkey and full-system grain storage and handling solutions. AGI manufactures a complete assortment of equipment including silos, catwalks, ladders, platforms, bucket elevators, conveyors, temperature systems, sweeps, weighing, bagging, dryers, fertilizer, and feed solutions.

### LEADER IN FERTILIZER EQUIPMENT

AGI is a world leader in the design and manufacturing of fertilizer handling, blending, and management.

At AGI, we excel in collaborating with our fertilizer clients to deeply understand their operational goals. This partnership allows us to define system requirements and engineer the optimal dry and liquid fertilizer systems that surpass business objectives.

Comprehensive Solutions:

#### Commodity Receiving & Storage:

- Efficient and secure storage solutions for all types of fertilizers.

#### Prescription Agronomy Fertilizer Blending:

- Precision blending systems tailored to meet specific agronomic needs.

#### Legal for Trade Wholesale & Retail Load-Out:

- Reliable and compliant load-out systems for both wholesale and retail operations.

Our fertilizer equipment is designed to provide efficient, automated, and reliable systems that enhance real-time operational efficiency. Trust AGI to deliver the solutions that drive your business forward.



# BATCH BLENDING SYSTEM

## TAPARED VERTICAL (TVB)

The AGI Tapered Auger Vertical Blender is an economic solution for the batch blending system with a capacity that varies from 2.5 tons to 10 tons. It is mostly used for small to medium applications of fertilizers blending and for liquid and powder coating.

### MAIN FEATURES

- Built in stainless steel 304
- Innovative flat-front design for lower dump height
- CE certified
- Low center of gravity for better stability
- Removable top cap for better maintenance
- MLC coated Load cells for chlorine and abrasive resistance with screen for weight visualization
- Load out belt conveyor to bulk or bagging machine



UP TO  
**40 m<sup>3</sup>/h\***  
CAPACITY

\*The capacity is calculated for an average of 4-5 batches/hour. This value changes based on the raw material in use and its quality.

### DRIVE HEAD

- Direct drive gear motor
- Robust design with internal bearing for agitator applications
- Can be offered with ATEX

### ACCESSORIES

- Roof access door for inspection
- Ladder for roof access
- Possibility of addition of sprayers for coating application
- Hatch door on the hopper for inspection and maintenance
- De-dusting system can be offered
- Electrical or pneumatic slide gate for unloading
- 3-Phase panel with manual control included in the system
- Automation system with remote control operation is available

### ADVANTAGES

- Simple to operate and unloads rapidly in four different directions
- Tapered auger for efficient and homogeneous blending
- Solid construction to assure a long life time of more than 15 years
- Cost-effective solution with minimal space to occupy
- Suitable for plants with horizontal space restrictions

### CAPACITY

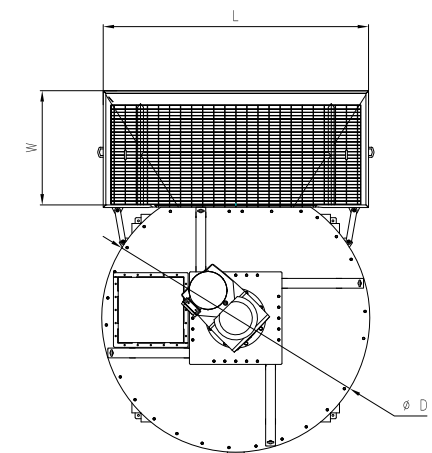
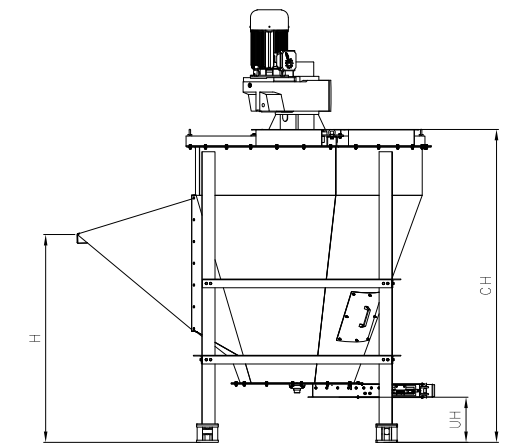
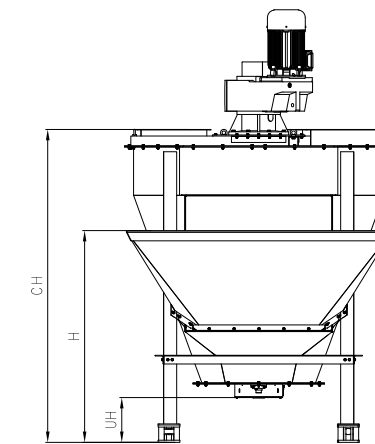
- Up to 40 m<sup>3</sup>/h \*

### PRODUCTS

- Mineral fertilizers in granular and crystalline form

### TYPE OF APPLICATION

- NPK blending, liquid, or powder coating



### Technical Specifications

MODEL	CAPACITY m <sup>3</sup>	DIAMETER D (mm)	CASING HEIGHT CH (mm)	UNLOADING HEIGHT UH (mm)	LOADING HOPPER LxWxH (mm)
TVB0250	2.5	2300	2725	500	2400x1000x1900
TVB0600	6	2300	3255	500	2400x1000x1900
TVB0800	8	2300	3755	500	2400x1000x1900
TVB1000	10	2300	4255	500	2400x1000x1900

# BATCH BLENDING SYSTEM

## ROTARY DRUM (RDB)

AGI Rotary Drum Blend Systems feature the fastest discharge rate in the industry - 4 tons per minute - and an extra large flared opening for easier and faster cleaner loading.

### MAIN FEATURES

- Built in stainless steel 304
- Large flared opening for easier, faster, cleaner loading
- Large stainless steel mixing auger for big capacities
- Rectangular weigh hopper with dosing system and screen for weight visualization
- Transfer conveyor from weigh hopper to blender
- Load out belt conveyor to bulk or bagging machine



UP TO  
**40 m<sup>3</sup>/h\***  
CAPACITY

\*The capacity is calculated for an average of 4-5 batches/hour. This value changes based on the raw material in use and its quality.

### DRIVE HEAD

- Direct drive gear motor
- Robust design support with pillow block bearings
- Can be offered with ATEX

### ACCESSORIES

- Independent safety guard covers belt and chain assembly
- Deflector
- Manhole clearout
- Shaft and coupling guard
- Adjustable deflector available on transfer conveyor for straight product loads
- 3-Phase panel with manual control included in the system
- Automation system with remote control operation is available

### ADVANTAGES

- Simple to operate
- Fastest discharge rate at 4 tons/min
- 9,000 kg capacity trunnion wheels for distribution of the load for smooth, efficient blending
- Solid construction to assure a long life time of more than 15 years
- Cost-effective solution with minimal space to occupy
- Suitable for plants with vertical space restrictions

### CAPACITY

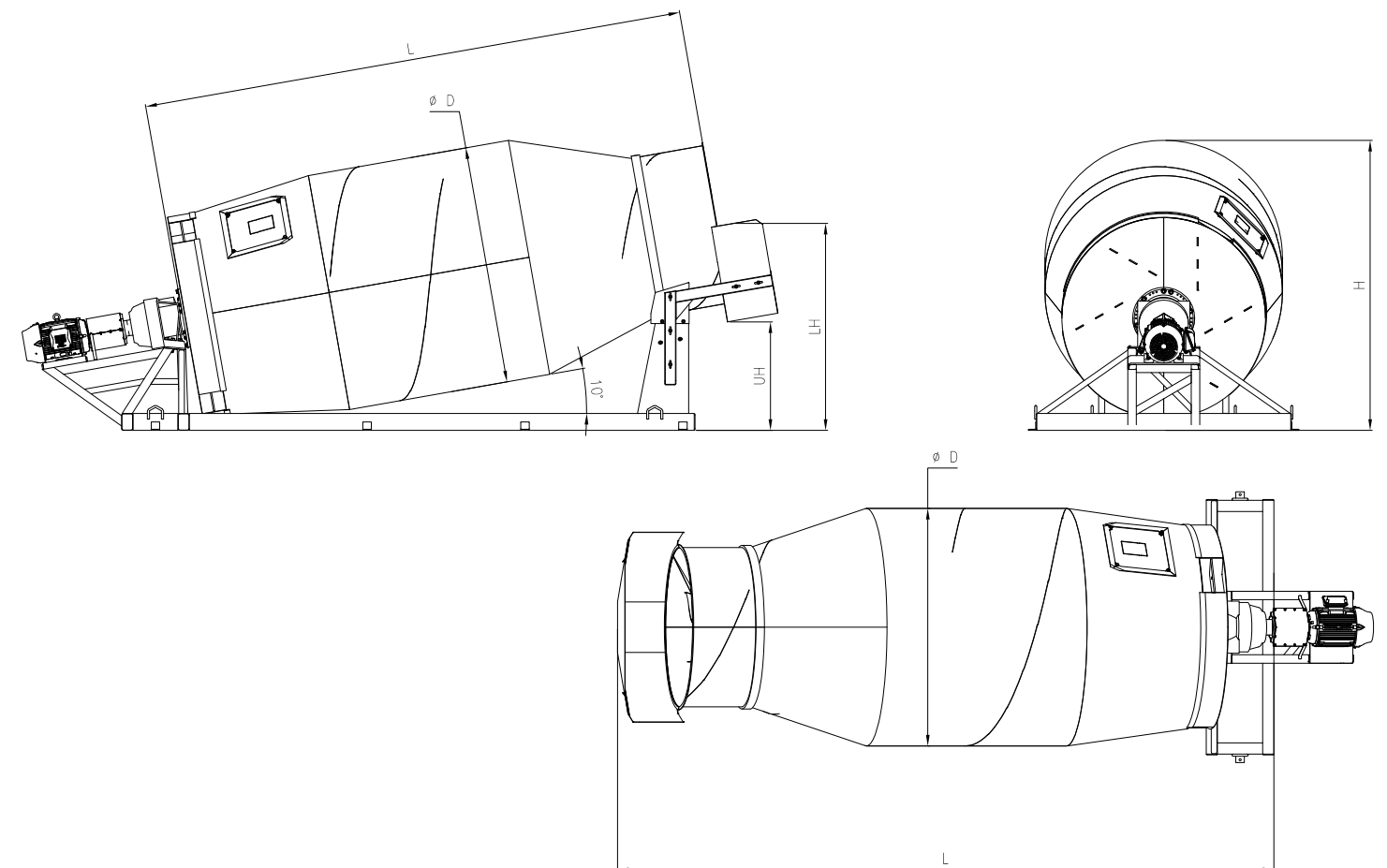
- Up to 40 m<sup>3</sup>/h \*

### PRODUCTS

- Mineral fertilizers in granular and crystalline form

### TYPE OF APPLICATION

- NPK blending, liquid, or powder coating



### Technical Specifications

MODEL	CAPACITY m <sup>3</sup>	DIAMETER D (mm)	BLENDER LENGTH L (mm)	UNLOADING HEIGHT UH (mm)	LOADING HEIGHT LH (mm)	INCLINATION	OVERALL HEIGHT H (mm)
RDB0600	6	2140	3636	1000	1800	10°	2380
RDB0800	8	2140	3970	1000	1800	10°	2500
RDB1000	10	2140	4850	1000	1800	10°	2610

# DECLINING WEIGHT VOLUMETRIC BLEND SYSTEM

The Declining Weight Blend System has revolutionized the fertilizer blending industry. Constructed with durable 304 stainless steel, this versatile system offers unmatched speed and precision as the most advanced multi-feed blending technology available. Fully automated and PLC-controlled, it features intuitive software for seamless plant management. Its diverse dosing mechanisms ensure exceptional accuracy and operational efficiency, making it an essential choice for optimized fertilizer production.

## MAIN FEATURES

- Built in stainless steel 304
- The main components are: weigh hoppers, dosing devices, underbin conveyor and mixer
- CE certified
- Variety in dosing devices for better accuracy
- Easy maintained and cleaned
- Fully automated by PLC

## ACCESSORIES

- Walkway for access to hoppers
- Transfer hoppers for easy operation

## ADVANTAGES

- Versatile and fast blending
- Modular design
- High accuracy

## CAPACITY

- Up to 250 m<sup>3</sup>/h

## PRODUCTS

- Mineral fertilizers in granular, crystalline and powder form

## TYPE OF APPLICATION

- NPK blending, granulation, liquid or powder coating



UP TO  
**250 m<sup>3</sup>/h**  
CAPACITY



# HOPPERS

## RECTANGULAR WEIGH HOPPERS (DWH AND DWCH)

Hoppers Rectangular weigh hoppers: Our rectangular weigh hoppers feature a modular design that facilitates straightforward customization and expansion, enabling the development of integrated systems with multiple hopper sizes tailored to your specific requirements. This flexible modular approach allows for versatile configurations, with options available in various sizes and dimensions. Built with robust, heavy-duty construction, they ensure dependable performance. The bolted assembly simplifies transportation and installation, making the process cost-effective. Additionally, high-quality, MLC-coated load cells provide long-lasting accuracy and durability.

### MAIN FEATURES

- Hopper made of stainless steel 304
- Steel structure supports hot dipped galvanization
- MLC coated load cells for chlorine and abrasive resistance
- Low level alarm siren light
- Possibility of addition of vibrator
- Screener for lumps
- Upgrade is available to conditioner hopper for de-lumping
- Modular tiers for bigger capacities



### ACCESSORIES

- Electrical vibrator
- Digital screen for weight visualization on each hopper
- Manual slide gate for inspection
- Dust containment system
- Upgrade to conditioner hopper for fertilizers de-lumping

### ADVANTAGES

- Modular design for flexibility
- Different sizes and dimensions
- Robust and heavy duty structure
- Bolted design to optimize transport fees
- MLC coated high-end load cells for long lifespan

### CAPACITY

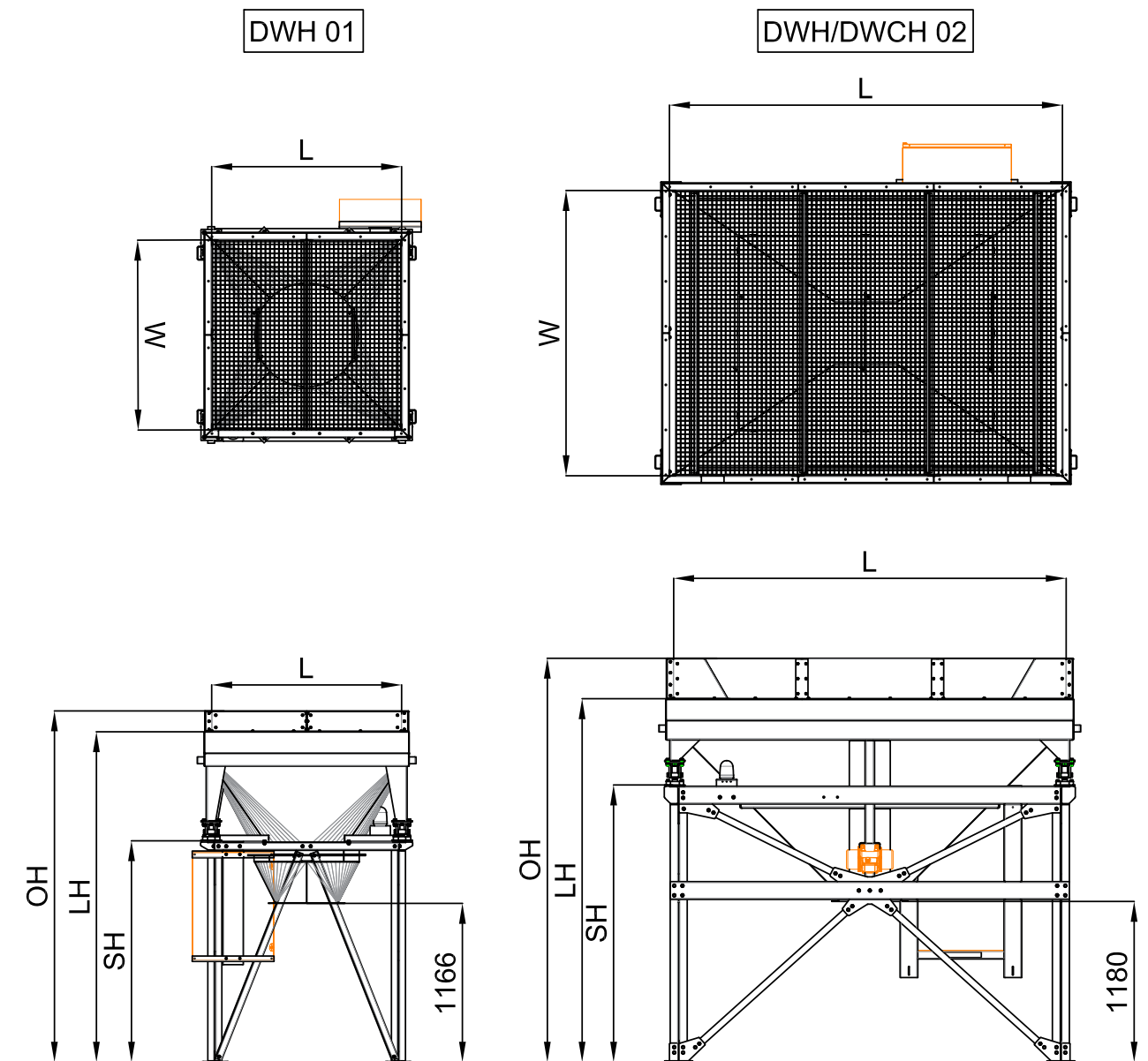
- 1.5 m<sup>3</sup>
- 3 m<sup>3</sup>
- 5 m<sup>3</sup>
- 8 m<sup>3</sup>
- 10 m<sup>3</sup>

### PRODUCTS

- Mineral fertilizers in granular, crystalline and powder form

### TYPE OF APPLICATION

- NPK blending, granulation, liquid or powder coating, de-lumping



### Technical Specifications

MODEL	CAPACITY m <sup>3</sup>	LENGTH L (mm)	WIDTH W (mm)	OVERALL HEIGHT OH (mm)	LOADING HEIGHT LH (mm)	STRUCTURE HEIGHT SH (mm)	CONDITIONER
DWH 01/01	1.5	1506	1506	2580	2425	1625	no
DWH 01/02	3	1506	1506	2730	2575	1625	no
DWH 02/01	5	2886	2206	2665	2665	1180	no
DWH 02/02	8	2886	2206	2965	2665	1180	no
DWH 02/03	10	2886	2206	3265	2965	1180	no
DWCH 02/01	5	2886	2206	2665	2665	1180	yes
DWCH 02/02	8	2886	2206	2965	2665	1180	yes
DWCH 02/03	10	2886	2206	3265	2965	1180	yes

# DOSING DEVICES

Our Rotary Valve, Flat Wire Chain, and Metering Augers are expertly engineered to provide precise material metering across a wide range of applications—from grams per minute to tons per hour. Designed for accuracy and durability, these components are ideal for demanding industrial environments.

## MAIN FEATURES

- Simple maintenance procedures for minimal downtime
- Integrated low-level sensors for reliable operation
- Constructed from high-quality stainless steel 304 for enhanced durability
- Equipped with efficient IE3 direct drive motors for optimal performance
- Includes a user-friendly variable frequency drive (VFD) control panel for precise speed regulation



FROM  
**0.03 - 190 m<sup>3</sup>/h**  
CAPACITY

## ROTARY VALVE

- Adjustable blades for better accuracy
- Stainless steel 304 casing and rotor
- Side and front inspection panels for maintenance and cleaning

## FLAT WIRE CHAIN

- Flow regulator controlled with an electric actuator
- Stainless steel 304 casing and chain
- Fully removable top covers for inspection and maintenance
- Tensioning screw for the chain
- Rubber curtain for dust containment

## SCREW FEEDER

- Variable pitch screw
- Used for powdery products
- Stainless steel 304 screw and casing
- Addition of an agitator for powdery products is available
- Addition of electric and/or pneumatic vibrator is available

## LIQUID IMPREGNATION METERING AUGER (LIMA)

- Screw extractor with mixer
- Used for coating products
- Stainless steel 304 casing with painted augers
- Spraying system included

## ADVANTAGES

- High accuracy in dosing
- Localized variable frequency drive panel for easy maintenance
- Dust proof design

## CAPACITY

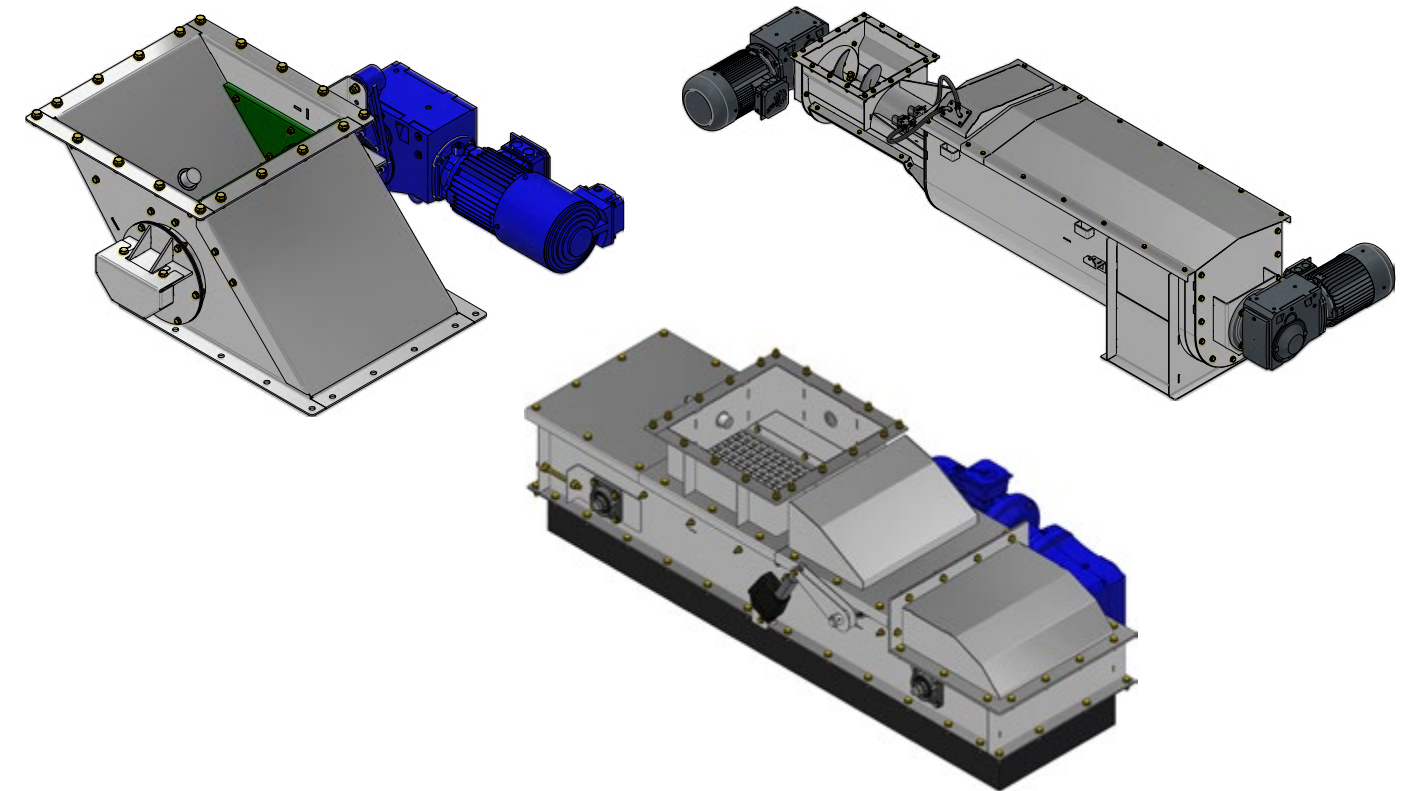
- Varies from 0.03 to 190 m<sup>3</sup>/h

## PRODUCTS

- Mineral fertilizers in granular, crystalline and powder form

## TYPE OF APPLICATION

- NPK blending, granulation, liquid or powder coating



## Technical Specifications

TYPE	MODEL	INLET DIMENSIONS LxW (mm)	OUTLET DIMENSIONS LxW (mm)	MINIMUM CAPACITY m <sup>3</sup> /h	MAXIMUM CAPACITY m <sup>3</sup> /h	MOTOR POWER KW	RPM RANGE
Micro Rotary valve	RVM200	457x457	457x457	1.52	13.60	1.5	3.9 to 36.45
Standard rotary valve	RVS200	457x457	457x457	4.75	44.50	1.5	7.8 to 72.9
High capacity rotary valve	RVH300	457x457	457x457	13.59	127.40	2.2	7.8 to 72.9
Flat wire chain	FWC425	457x457	1750x425	6.45	188.40	4.0	20.8 to 194.4
Screw Feeders	SSF100050T01	ø 772	100x100	0.06	0.64	1.5	3.12 to 29.16
Screw Feeders	SSF150030T01	ø 772	150x150	0.47	4.35	1.5	5.2 to 48.6
Liquid impregnation metering auger	LIMA	457x457	457x650	20.60	110.70	11 and 15	15.6 to 83.6



# POWDER FEEDERS

## PF100-PF150

The fertilizer industry is ever-changing, which means our product line is always evolving to adapt to new challenges that our industry may face. Precision agriculture is growing in popularity amongst producers. This led AGI to develop the new Powder Feeder.

Our automated Powder Coating System is designed to accurately deliver powders onto dry blends utilizing AGI's automation technology.

### MAIN FEATURES

- Low level sensor
- Screw auger monitoring system
- Unique air vibe system
- Loading hopper cover
- MLC coated load cells for chlorine and abrasive resistance



FROM  
**0.06 - 4.35 m<sup>3</sup>/h**  
CAPACITY

### ACCESSORIES

- Addition of an agitator for non-free flow powdery products
- Addition of electric and/or pneumatic vibrator
- Back drop duct for product unloading

### ADVANTAGES

- High accuracy in dosing
- Localized variable frequency drive panel for easy maintenance
- Dust proof design

### CAPACITY

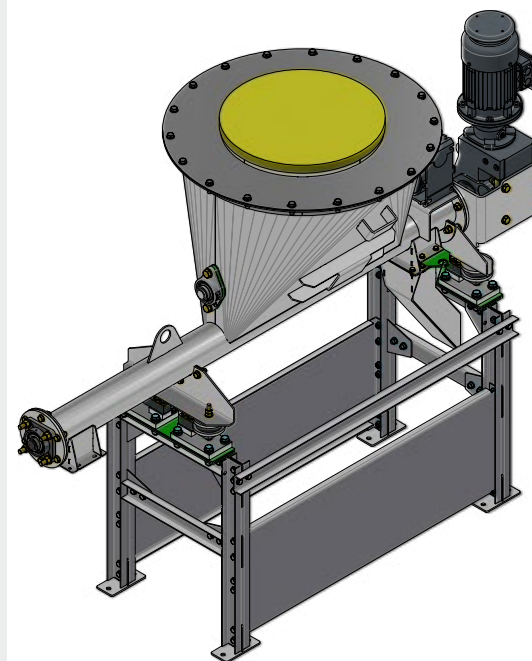
- Varies from 0.06 to 4.35 m<sup>3</sup>/h

### PRODUCTS

- Mineral fertilizers in powder or crystalline form

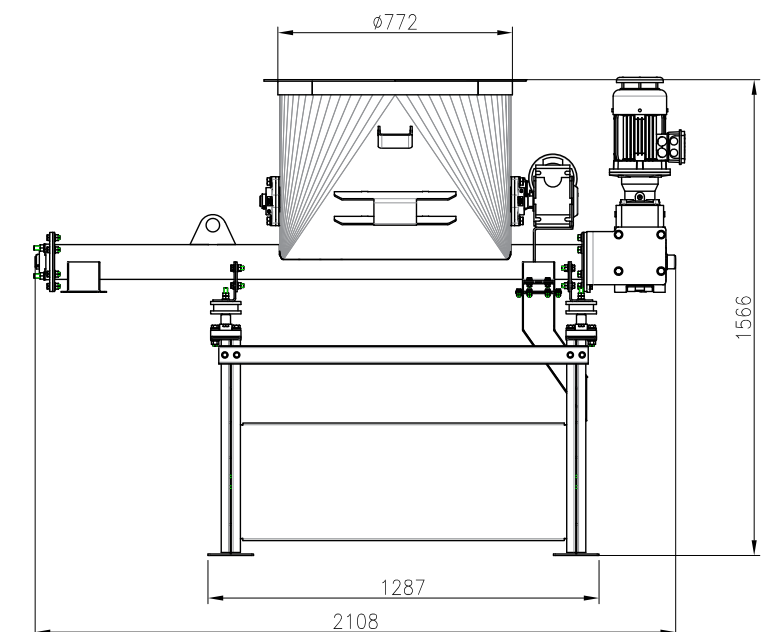
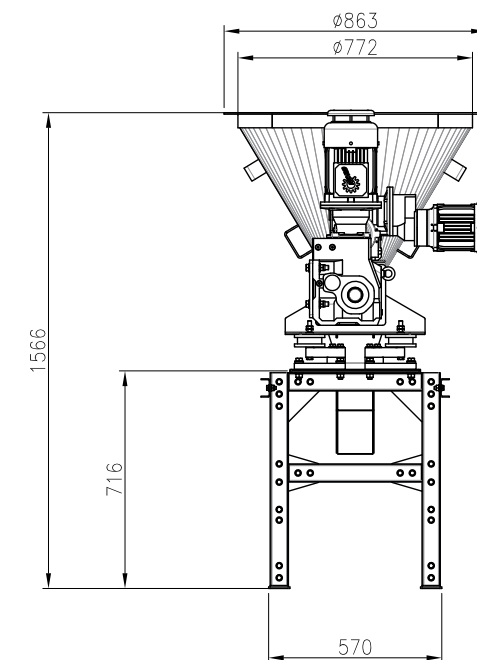
### TYPE OF APPLICATION

- NPK blending, granulation, powder coating



### Technical Specifications

MODEL	INLET DIMENSIONS LxW (mm)	OUTLET DIMENSIONS LxW (mm)	STRUCTURE HEIGHT mm	OVERALL HEIGHT mm	MINIMUM CAPACITY m <sup>3</sup> /h	MAXIMUM CAPACITY m <sup>3</sup> /h	MOTOR POWER KW	RPM RANGE
PF100020T01	ø 772	100x100	716	1566	0.17	1.58	1.5	7.8 to 72.9
PF100050T01	ø 772	100x100	716	1566	0.07	0.64	1.5	3.12 to 29.16



# SCREW CONVEYORS/ MIXERS

## CONTINUOUS MIXING

The successful blend comes in the efficiency of the mixer or screw conveyor.

From 50 to 250 m<sup>3</sup>/h capacity range, AGI screw conveyors are designed to adapt for each application of blending.

### MAIN FEATURES

- Modular design with different diameters and lengths
- Flat to incline screw conveyor application up to 35°
- Stainless steel casing
- Parallel direct drive motors
- Type of augers: standard, cut and fold, ribbon
- Removable covers for easy maintenance and cleaning
- Intermediate cast iron bearing joints-split type- with a lubrication system



### ACCESSORIES

- Impregnation spraying bars
- Shrouded covers for applications above 15° inclination
- Steel legs for support on inclined section

### ADVANTAGES

- Two-in-one machine for mixing and transporting the blend
- Dust proof design
- Cost efficient

### CAPACITY

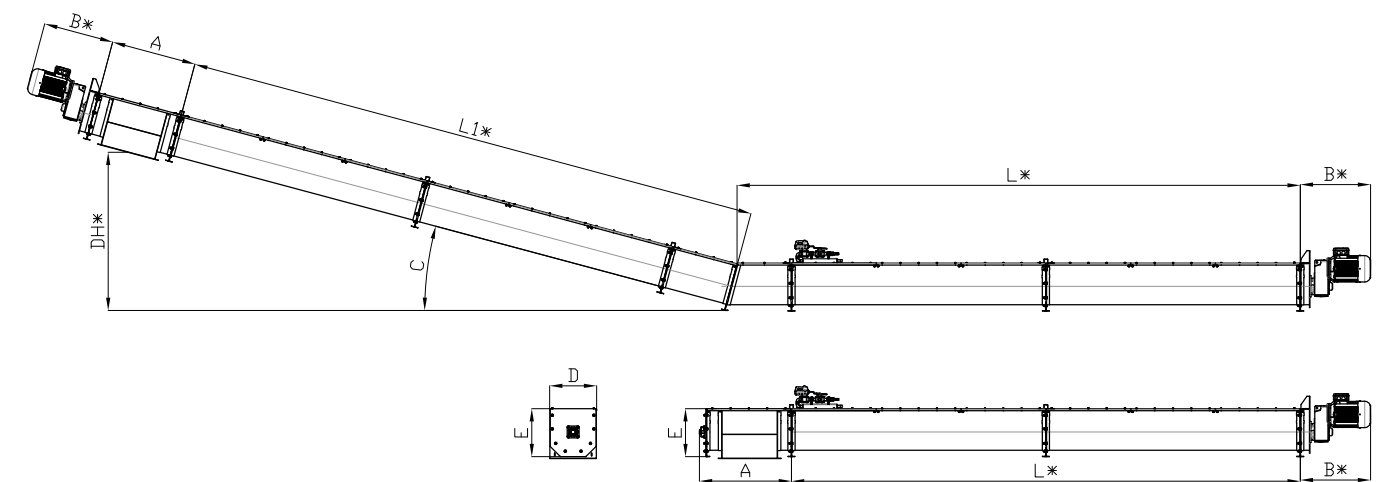
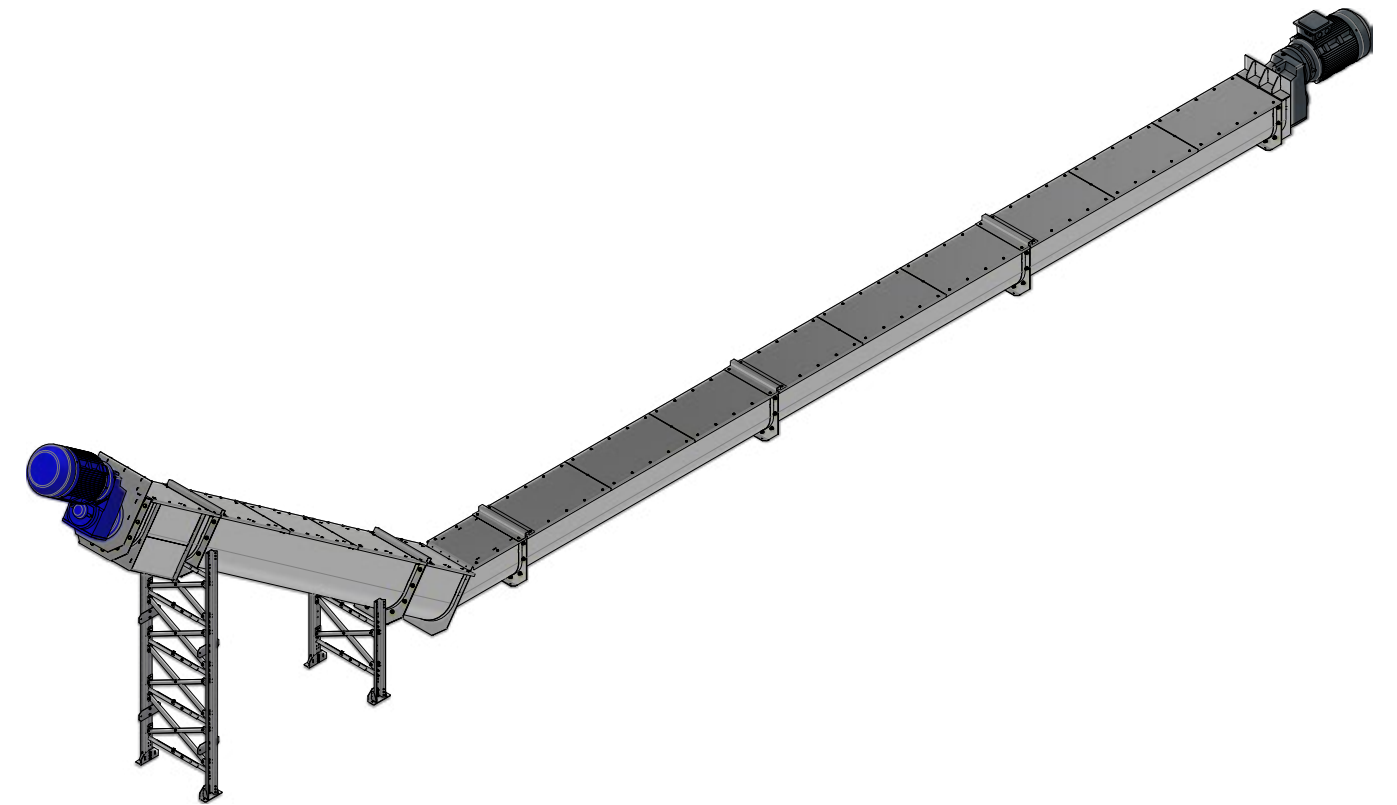
- Up to 250 m<sup>3</sup>/h

### PRODUCTS

- Mineral fertilizers in granular, crystalline and powder form

### TYPE OF APPLICATION

- NPK blending, granulation, liquid and powder coating, handling equipment



### Technical Specifications

MODEL	CAPACITY** (m <sup>3</sup> /h)	AUGER DIAMETER (mm)	A mm	D mm	E mm	DRIVING HEAD mm	COVER mm	CASING mm
SCF350	100	350	1000	490	500	3	3	3
SCF400	150	400	1000	540	560	3	3	3
SCF450	250	450	1000	617	623	3	3	3
SCF500	350	500	1000	665	683	3	3	3
SCF600	500	600	1000	770	809	3	3	3

\*\* Capacity is based on horizontal standard augers application with 60% filling factor. Different type of augers and angle would change the capacity.

\* These lengths are defined for each layout and motors in use.

UP TO  
**250 m<sup>3</sup>/h**  
CAPACITY

# LIQUID COATING SYSTEM

## OIL AND WATER BASED LIQUIDS

Automated coating systems provide a new level of coating accuracy. Utilizing automation technology as well as positive feedback monitoring to accurately meter and impregnate liquids per the required rate to maximize the coating process. Because of this system's versatility, it can be used on all AGI Fertilizer blending systems, including Declining Weight Systems, Rotary Drum Blenders, and Tapered Vertical Blenders.

### MAIN FEATURES

- Sealed gear pump made of stainless steel 316
- 304 stainless steel flow meter with pulse actuator – positive feedback
- Supporting structure of stainless steel 304
- Ball valve – electric operated
- Variable frequency drive controlled for dosing
- Mini-tank plumbing system hook-up
- EPDM or NBR hose for pump-to-application and recirculation



### ACCESSORIES

- PE valves compatible with fertilizers
- IBC tank can be offered
- Special application for fatty products
- Heated tanks are available upon request
- PLC control system available for single applications

### ADVANTAGES

- Flexibility in design
- High accuracy
- Adaptable to each type of liquid
- Easy to maintain

### CAPACITY

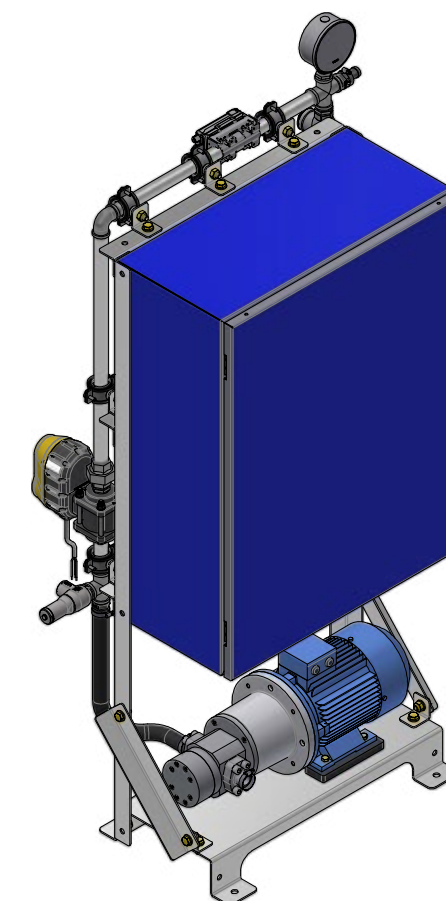
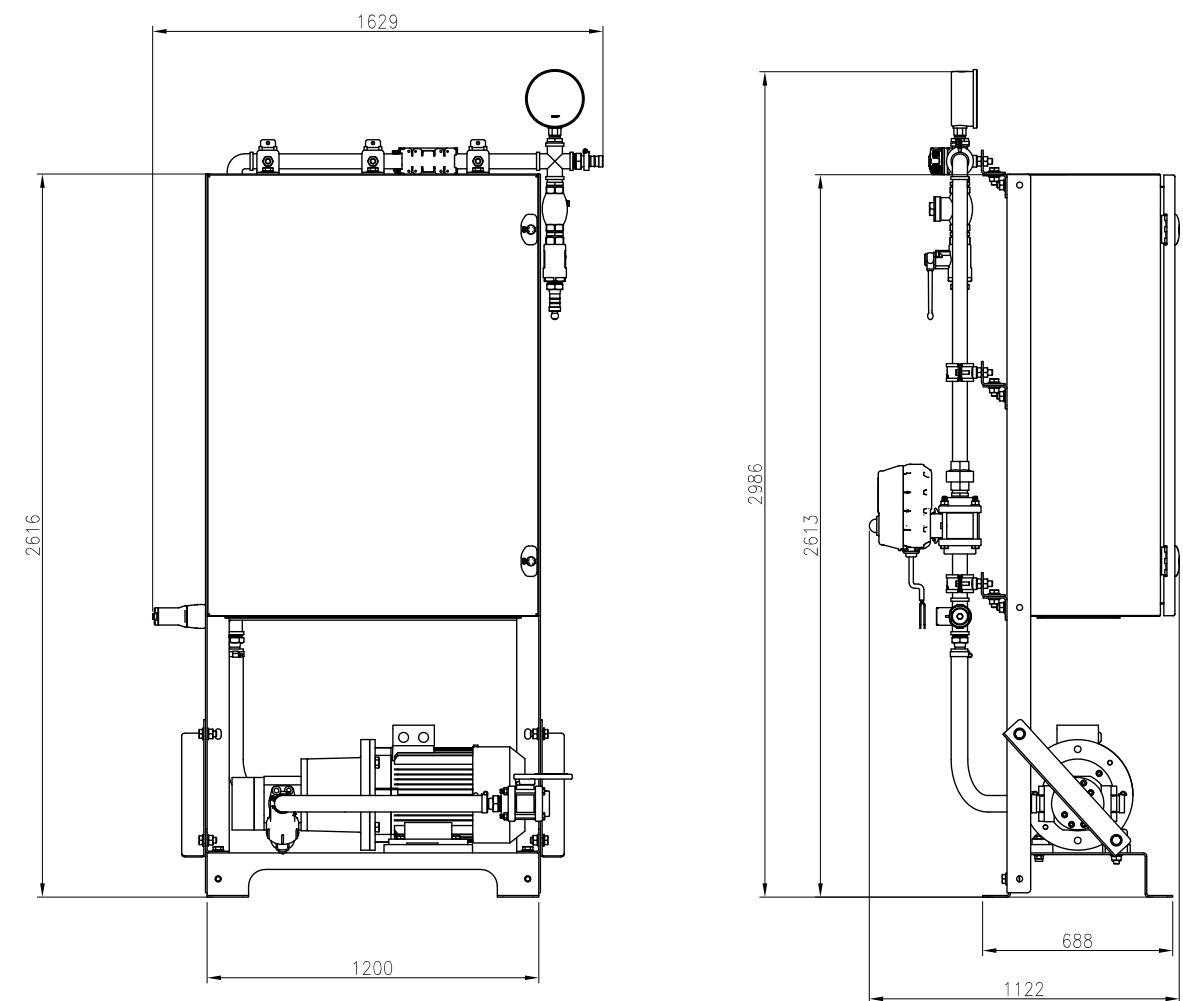
- Up to 500 L/h

### PRODUCTS

- Liquid coating agents: oil-based, water based, fatty

### TYPE OF APPLICATION

- Single product blend or multiple products blend



UP TO  
**500 L/h**  
CAPACITY

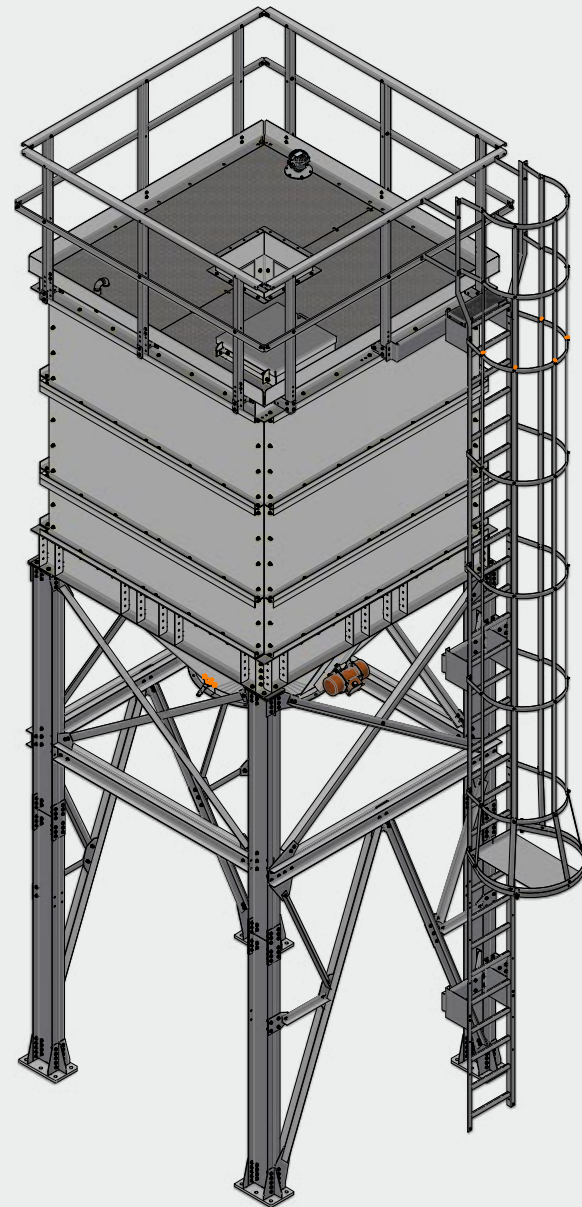
# BAGGING HOPPERS

## SQUARE HOPPERS (BH AND ASBH)

The square bagging hoppers are designed to ensure the right way for storage of blended fertilizers before being bagged. With its modular bolted design, the transport and installation of the hopper provides the best solution for blending plants.

### MAIN FEATURES

- Hopper made of stainless steel 304
- Steel structure supports hot dipped galvanization
- Low level capacitive sensor
- High level rotative sensor
- Possibility of addition of vibrator
- Anti-segregation design for the ASBH model
- Modular tiers for bigger capacities



### ACCESSORIES

- Electrical vibrator
- Manual slide gate for inspection
- Roof inspection door
- Vertical ladder with safety cage for roof access
- Goal post support for the bucket elevator

### ADVANTAGES

- Modular design for flexibility
- Different sizes and dimensions
- Robust and heavy duty structure
- Bolted design to optimize transport fees
- Anti segregation panels with 16 internal sections for best accuracy

### CAPACITY

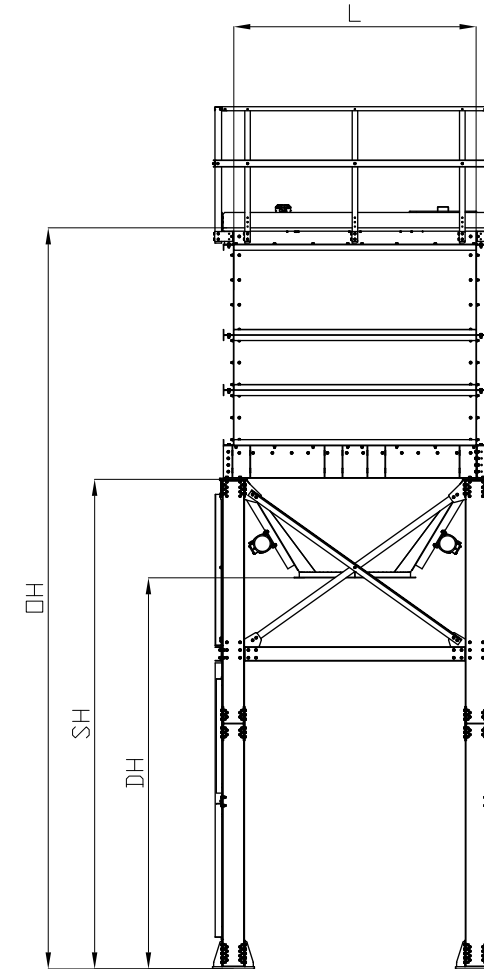
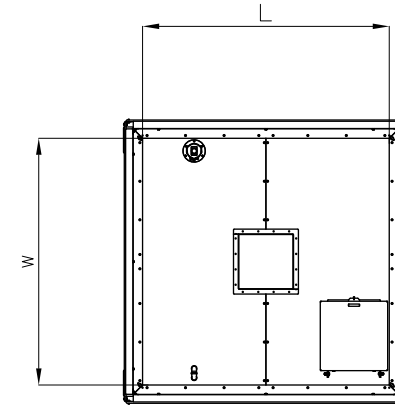
- 8 m<sup>3</sup>
- 10 m<sup>3</sup>
- 12 m<sup>3</sup>
- 15 m<sup>3</sup>

### PRODUCTS

- Mineral fertilizers in granular, crystalline and powder form

### TYPE OF APPLICATION

- NPK blending, granulation, bagging



### Technical Specifications

MODEL	CAPACITY m <sup>3</sup>	LENGTH L (mm)	WIDTH W (mm)	OVERALL HEIGHT OH (mm)	DISCHARGE HEIGHT DH (mm)	STRUCTURE HEIGHT SH (mm)	ANTI-SEGREGATION
BH 01/01	8	2206	2206	6228	3551	4445	no
BH 01/02	10	2206	1506	6728	3551	4445	no
BH 01/03	12	2206	2206	7048	3551	4445	no
BH 01/04	15	2206	2206	7868	3551	4445	no
ASBH01/01	8	2206	2206	6228	3551	4445	yes
ASBH01/02	10	2206	2206	6728	3551	4445	yes
ASBH01/03	12	2206	2206	7048	3551	4445	yes
ASBH01/04	15	2206	2206	7868	3551	4445	yes

# OPEN BELT CONVEYORS

## M-LINE OPEN BELT CONVEYORS

AGI PTM Open Belt Conveyors are engineered for gentle product handling and long-lasting operational life. The structure is made entirely of stainless steel, with sturdy construction and top performance components, making AGI PTM conveyors the right solution for a wide range of applications, from local traders to larger port terminals.

### MAIN FEATURES

- Stainless steel AISI304 design with compliance to the European Standards
- Gravity counterweight system for a proper and continuous take-up tensioning
- Gravity tower upgrade for counterweight continuous take-up tensioning\*
- Reversible conveyor operation\*
- Cable operated safety switch on one or two\* sides
- Bearing temperature sensors\*
- CE certification
- ATEX certification for installation in zone classified 22\*
- Abrasion resistant, oil resistant, and antistatic PVC or rubber belt
- Flame retardant belt\*



UP TO  
**2000 m<sup>3</sup>/h**  
CAPACITY

### DRIVING HEAD

- Direct coupling with maintenance-free steel disk-spring damping system
- Geared motor unit with fluid-coupling, flexible joint and swing base\*
- Abrasion resistant and antistatic rubber coated drive head pulley
- Metal backed urethane lining on inlet/outlet chutes\*
- Anti-clogging system at the discharge\*
- Belt alignment control system

### TAIL

- Standard screw take-up
- Special tail for gravity tower upgrade for counterweight continuous take-up tensioning\*
- Special execution for reversible machine\*
- Speed monitoring system

### CONVEYOR STRINGERS

- Easy-to-assemble bolted elements
- Standard stringer supports, elbow stringer supports\*
- Modular design

### ACCESSORIES\*

- Mobile tripper for warehouses and vessels loading
- Discharge hopper
- Stationary feed hopper
- Movable inlet hopper for jetty installation
- Adjustable supports
- Standard covering
- Belt sealing covering system for conveyor with tripper
- Discharging slide gates
- Magnetic separator with stainless steel outlet hopper
- Adjustable supporting legs
- Aspiration hoppers
- Inspection windows

### MAX CAPACITY

- Up to 2000 m<sup>3</sup>/h



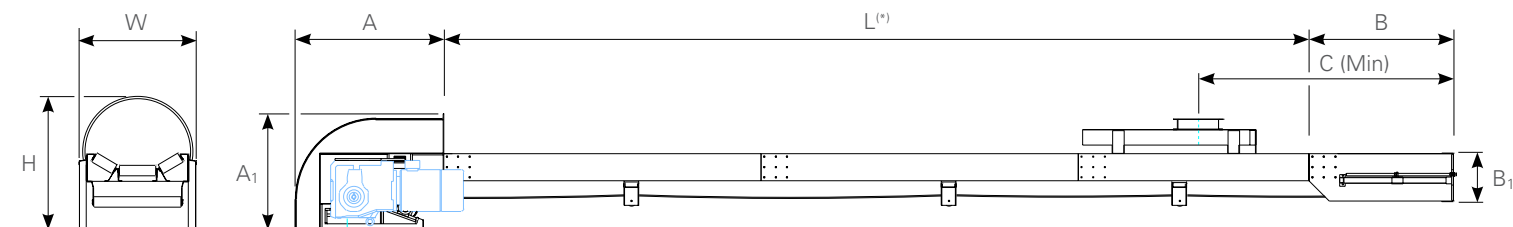
### Technical Specifications

MODEL	CAPACITY <sup>1</sup>		MAIN DIMENSIONS						HEAD THICKNESS		STRINGER THICKNESS		TAIL THICKNESS	
	T/H	W	H	A	A <sub>1</sub>	B	B <sub>1</sub>	C MIN	SIDES	COVER	SIDES	SPACERS	SIDES	COVER
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
TNM.340.300	50	525	680	970	540	1000	300	1450	3,0	3,0	2,0	5,0	3,0	3,0
TNM.340.350	77	615	680	970	540	1000	300	1450	3,0	3,0	2,0	5,0	3,0	3,0
TNM.340.450	154	710	715	970	540	1000	300	1450	3,0	3,0	2,0	5,0	3,0	3,0
TNM.500.600	192	955	1130	1330	1010	1750	430	1800	3,0	3,0	3,0	5,0	3,0	3,0
TNM.500.650	256	1020	1170	1330	1010	1750	430	1800	3,0	3,0	3,0	5,0	3,0	3,0
TNM.500.750	448	1105	1190	1330	1010	1750	430	1800	3,0	3,0	3,0	5,0	3,0	3,0
TNM.630.1000	640	1530	1190	2040	1270	1500	710	3300	5,0	3,0	5,0	5,0	5,0	3,0
TNM.630.1200	1282	1740	1240	2040	1270	1500	710	3300	5,0	4,0	5,0	5,0	5,0	3,0
TNM.630.1500	1923	1920	1300	2040	1270	1500	710	3300	5,0	4,0	5,0	5,0	5,0	3,0

(1) Capacity is based on dry mineral fertilizer (m.c. 1%) - bulk density 1 T/m<sup>3</sup>.

Total incline up to 10°

(\*) Variable (Standard lengths = 2990 / 2750 / 2500 / 2470 / 1980 / 1470 / 990 / 490 - Other lengths available upon request)



\*Optional

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# BUCKET ELEVATORS

## M-LINE HEAVY DUTY

AGI PTM's M-Line includes a wide range of bucket elevators designed to meet all vertical transportation needs. The sturdy and robust construction ensures our elevators can operate reliably in the harshest environments.

M-Line Bucket Elevators are available in a wide range of capacities up to 1500t/h, and are specifically designed for traders, commercial plants, processing plants, and port terminals.

### MAIN FEATURES

- Stainless steel AISI304 design with compliance to European Standards
- Abrasion resistant, oil resistant, and anti-static belt
- Flame retardant belt\*
- Stainless steel buckets or HPDE buckets\*
- AR steel lining, urethane lining\*, and ceramic tile lining\*
- CE certification
- ATEX certification for installation in zone classified 22\*
- Bearing temperature sensors\*
- Belt alignment control system
- Anti-clogging system



UP TO  
**2000 m<sup>3</sup>/h**  
CAPACITY

### DRIVING HEAD

- Direct coupling with maintenance-free steel-disk-spring damping system
- Geared motor unit with fluid-coupling, flexible joint and swing base\*
- Pillow block bearings\*
- Abrasion resistant and anti-static rubber coated drive head pulley

### TAIL

- Standard screw take-up
- Belt take-up by means of screws and counterweight
- Self-cleaning wing tail pulley
- Speed monitoring system
- Rack and pinion gate for tail cleaning

### TRUNKING

- Easy-to-assemble bolted panels
- Standard duct, inspection duct, venting relief panel duct\*, and spotfilter duct\*

### ACCESSORIES

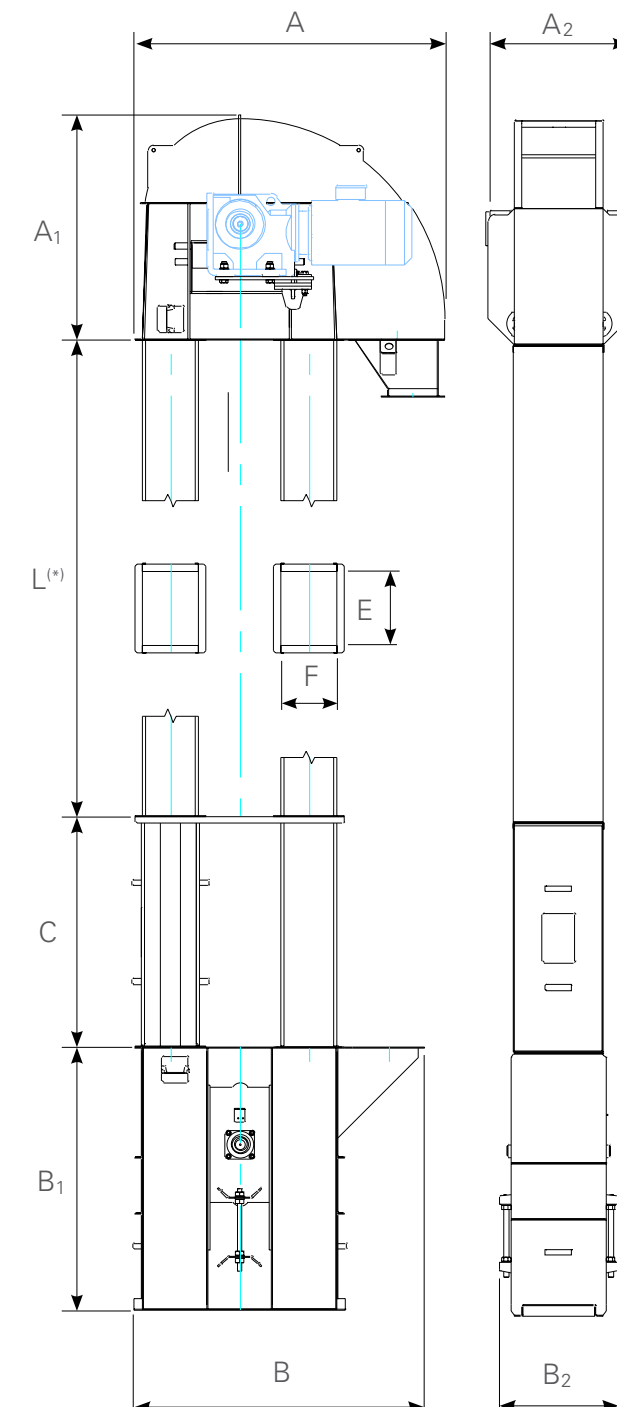
- Extra inlet hopper
- Product recovering hopper
- Discharging hopper (square - round outlet)
- Stainless steel inlet hopper with magnetic separator\*
- Over pressure discharge system with chimney\*
- Venting relief panels at the head and/or duct\*
- Inspection windows
- Aspiration hopper at ducts

### MAX CAPACITY

- Up to 2000 m<sup>3</sup>/h

For applications requiring ATEX zone 20/21/22, AGI can offer the AGI Tramco bucket elevator as an alternative.

\*Optional



### Technical Specifications

MODEL	CAPACITY <sup>(1)</sup> T/H	SELF SUPPORTING MACHINE UP TO <sup>(2)</sup> MT	MAIN DIMENSIONS									HEAD THICKNESS		TAIL THICKNESS		DUCT THICKNESS mm
			A mm	A <sub>1</sub> mm	A <sub>2</sub> mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	C mm	E mm	F mm	SIDES mm	COVER mm	SIDES mm	SLIDES <sup>(3)</sup> mm	
ETM.300	45	25	933	647	345	827	715	383	1400	165	145	3,0	3,0	3,0	6,0	2,0
ETM.400	128	35	1326	1038	476	1170	1000	440	1400	250	230	3,0	3,0	3,0	6,0	2,0
ETM.500	224	40	1509	1059	693	1425	1250	535	1400	335	269	4,0	3,0	4,0	8,0	2,0
ETM.630	320	48	1880	1364	860	1767	1600	775	1400	450	340	4,0	4,0	5,0	10,0	3,0
ETM.800	448	50	2190	1597	970	2075	1905	799	2000	500	350	5,0	4,0	5,0	15,0	3,0
ETM.1000	833	50	2377	1896	1454	2305	2000	1310	2400	868	340	5,0	5,0	6,0	15,0	3,0
ETM.1200	1538	50	2589	2279	1918	2562	2150	1656	2400	1302	340	5,0	5,0	6,0	15,0	3,0
ETM.1500	1923	50	2589	2279	2360	2562	2150	2070	2400	1736	340	5,0	5,0	6,0	15,0	3,0

(1) Capacity is based on dry mineral fertilizer (m.c. 1%) - bulk density 1 T/m<sup>3</sup>.

(2) Bucket Elevators are self-supporting but not freestanding. Elevators must be supported laterally (see PTM's user manual for specific model requirements)

(3) Slides=take up tensioning slides

(\*) Variable (Standard Lengths = 2900 / 2400 / 1900 / 1400 / 900 / 400 - Other lengths available upon request)

# VALVES, GATES AND SPOUTING

A complete range of accessories for detection and deviation of bulk products and for the connection of the various components such as:

- Slides gates
- Diverter valves
- Absorber/dead boxes
- Square and round spouting

## SLIDE GATES

- Hot dip galvanisation in compliance with standard EN ISO 1461
- Powder coating surface finishing for milling applications\*
- Sturdy construction with welded frame
- Manual, electric or electropneumatic control
- Blade position limit sensors
- CE certification of incorporation
- ATEX certification for installation in zone classified 22\*

## DIVERTER VALVES

- Hot dip galvanisation in compliance with standard EN ISO 1461
- Powder coating surface finishing for milling applications\*
- Sturdy construction with welded frame
- Manual, electric or electropneumatic control
- Diverter blade position sensors
- CE certification of incorporation
- ATEX certification for installation in zone classified 22\*
- AR steel or urethane lining on the blade\*

## CUSHION/DEAD BOXES

- Hot dip galvanisation in compliance with standard EN ISO 1461
- Powder coating galvanisation finishing for milling applications\*
- Vertical drop cushions
- Flow retarders
- Cushion elbows
- Self-cleaning design\*
- AR steel or urethane lining\*

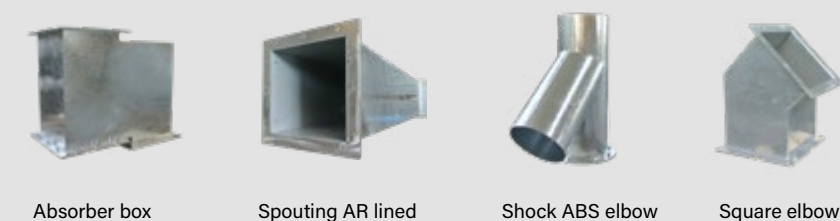
\*Optional



# DUCT WORKS

## DUCT WORKS

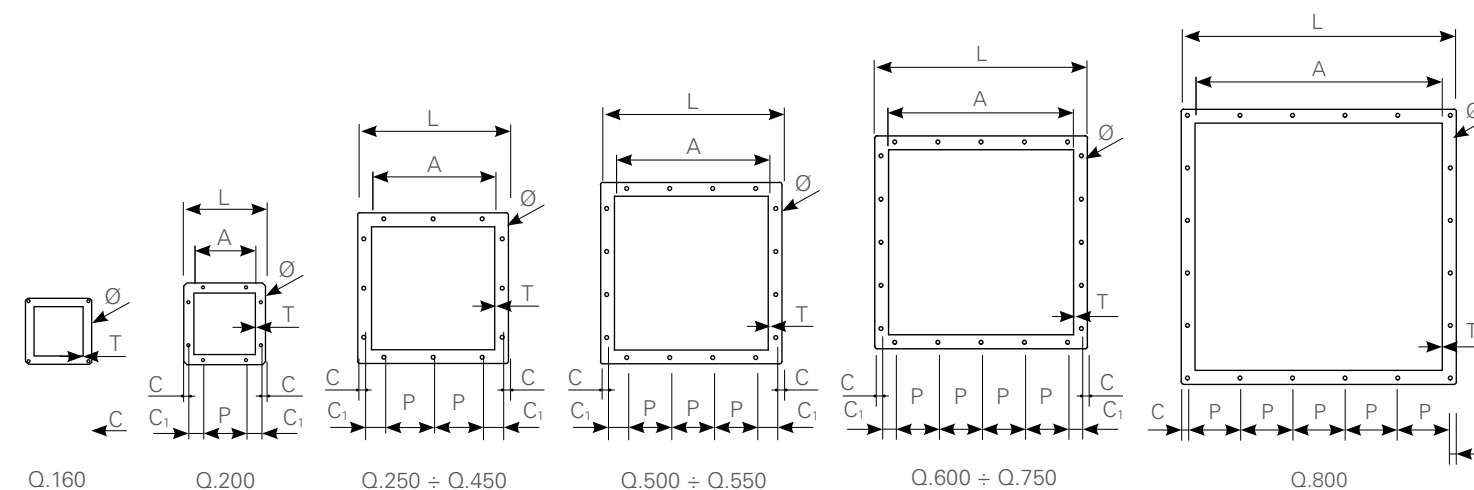
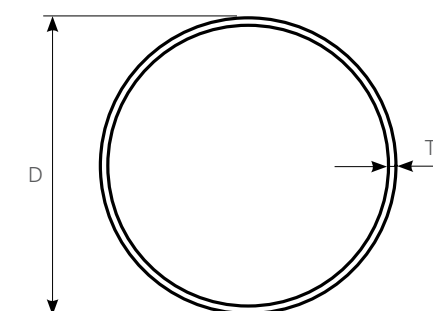
- Hot dip galvanisation in compliance with standard EN ISO 1461
- Powder coating surface finishing for milling applications\*
- Square or round sections available
- AR steel or urethane lining\*



## Standard Ductworks Sections

MODEL	CAPACITY <sup>1</sup>	MAIN DIMENSIONS						
	m <sup>3</sup> /h	A mm	L mm	C mm	C <sub>1</sub> mm	P mm	Ø mm	T mm
Q.160	60	160	215	10	—	195	10	3
Q.200	120	200	266	15	48	140	10	3
Q.250	205	250	316	15	48	95	10	3
Q.300	295	300	390	20	65	110	12	3
Q.350	425	350	440	20	60	140	12	4
Q.400	550	400	490	20	65	160	12	4
Q.450	700	450	540	20	70	180	12	4
Q.500	870	500	590	20	65	140	12	5
Q.550	1000	550	640	20	60	160	12	5
Q.600	1200	600	690	20	45	140	12	5
Q.650	1400	650	740	20	50	150	12	5
Q.700	1650	700	790	20	55	160	12	5
Q.750	1850	750	840	20	60	170	12	5
Q.800	2100	800	890	20	—	170	12	5

MODEL	CAPACITY <sup>1</sup>	MAIN DIMENSIONS	
	m <sup>3</sup> /h	D mm	T mm
T.159	55	159	3
T.192	85	193,7	3
T.219	115	219,1	3
T.254	155	254	3
T.273	190	273	3
T.324	270	323,9	4
T.355	340	355,6	4
T.406	450	406,4	4



# AGI TRAMCO

## MODEL G EN-MASSE CONVEYORS

The AGI Tramco Model G En-Mass Conveyor takes on the heavy-duty tasks as it is designed to handle the most extreme applications ensuring uncomplicated solutions for years. Welded jig fitted parts and fully bolted construction yields a precise fit and interchangeability of components. AGI Tramco offers custom design, components, and materials. This "total quality process" provides added value when choosing AGI Tramco.

### MAIN FEATURES

- Alignment pins ensure precision alignment
- Stainless steel or powder/liquid paint coated steel
- Standard double-life walking tooth split induction hardened sprocket
- Alignment pins to ensure precision alignment and minimal thermal expansion
- Pillow block bearings with shaft sealing



UP TO  
**1200 - 1500 t/h**  
CAPACITY

### DRIVING HEAD

- Standard or tall head design depending on application.
- Standard packing gland head shaft

### TAIL

- Standard packing gland tail shaft
- Standard heavy duty take-up support with SKF bearings

### CASING

- Heavy duty, with chain supported by our standard return rail
- Inspection door at drive head and tail or to customer's requirements
- Casing height: 12" - 16" - 20" - 26" - 32"
- Casing width: 12" - 15" - 18" - 24" - 30" - 36" - 42" - 48" - 54" - 60"

### ACCESSORIES

- Welded or stud bushed chain assembly
- Angle or flatbar chain flight attachments (depending on flight design)
- Protective lining (thickness, quality, type)
- Motor arrangements
- Sealing

### MAX CAPACITY

- Up to 1200 - 1500 t/h



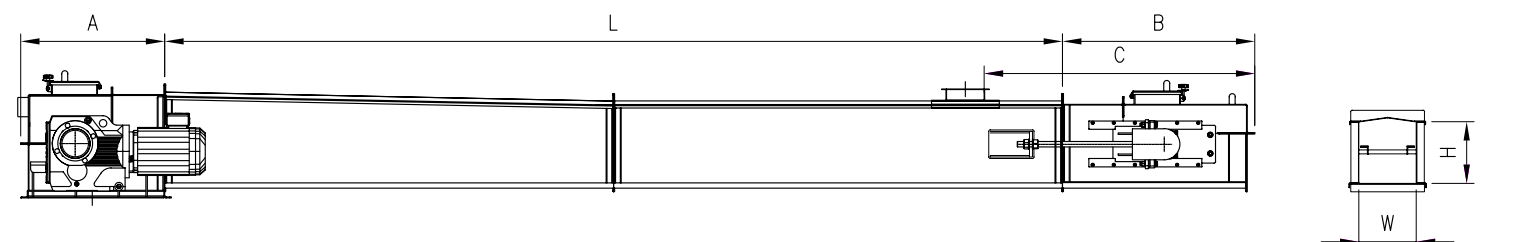
### Technical Specifications

	CONVEYOR HEIGHT (H) [mm]	INTERNAL WIDTHS (W) [mm]	MAX CAPACITY @0,3 m/s (M <sup>3</sup> /HR)	MAX CAPACITY @0,4 m/s (M <sup>3</sup> /HR)	MAX CAPACITY @0,5 m/s (M <sup>3</sup> /HR)	MAX CAPACITY @0,6 m/s (M <sup>3</sup> /HR)
12	305	305 to 762	251	335	418	502
16	410	305 to 762	337	450	562	675
20	520	305 to 914	514	685	856	1027
26	660	381 to 1524	1086	1448	1811	2173
32	820	610 to 1524	1350	1800	2249	2699

(1) With scoop

(\*) Other lengths available upon request

A	B(1)	B	C(1)	C	L
856	1176	1005	1795	1625	2980 / 2480 / 1980 / 1480 / 980 / 480
906	1176	1005	1830	1660	
956	1276	1080	1910	1715	
1056	1396	1155	2040	1800	
1106	1476	1255	2200	1980	



\*Optional



# AGI TRAMCO

## BULK-FLO™ HEAVY-DUTY

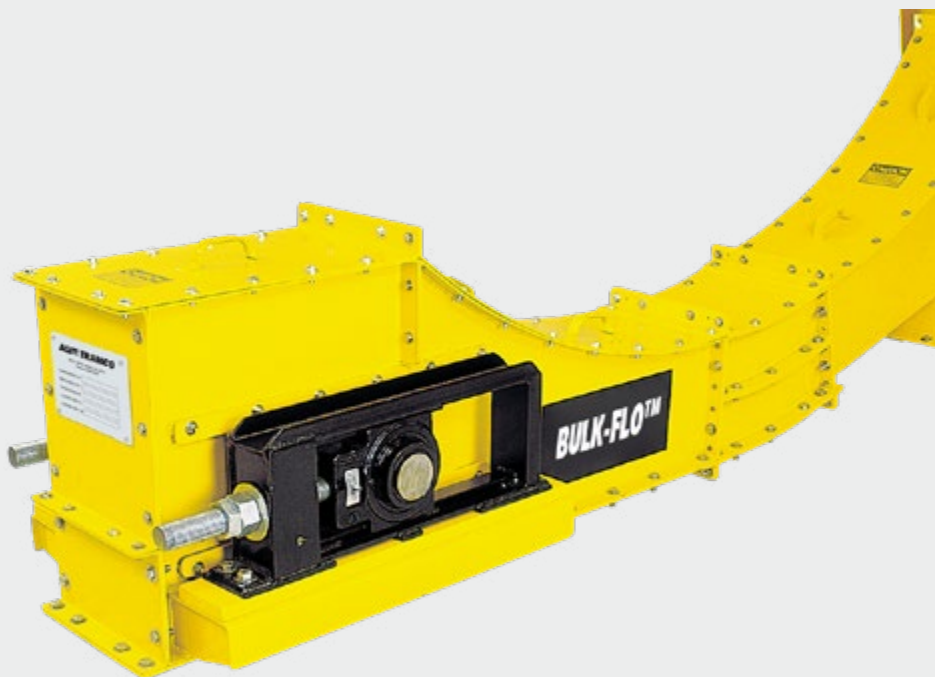
### CHAIN CONVEYOR

The AGI TRAMCO Bulk-Flo™ Heavy-Duty Chain Conveyor is built to work in processing handling materials that are wet and sticky, vary in size and/or density, and/or are abrasive or corrosive. The AGI TRAMCO Bulk-Flo™ is the alternative conveyor to replace a bucket elevator due to its design/chain speed and minimum risk of dust explosion. The unsurpassed quality and construction of the AGI TRAMCO Bulk-Flo™ conveyor series assures years of dependable service under the most severe conditions. Each system is individually designed for your specific application. AGI Tramco offers custom design, components and materials.

40 models of paddle/flight conveyors.

#### MAIN FEATURES

- Stainless steel or powder/liquid paint coated steel
- Standard double-life walking tooth split sprocket (induction hardened teeth)
- Alignment pins to ensure precision alignment of sections and minimal thermal expansion
- Pillow block bearings with shaft sealing



UP TO  
**1200 - 1500 t/h**  
CAPACITY

#### DRIVING HEAD

- Standard or flared head design depending on discharge angle and/or product
- Standard packing gland head shaft

#### TAIL

- Standard packing gland tail shaft
- Standard heavy duty take-up support with SKF bearings

#### CASING

- Standard bolted construction, abrasion resistant steel is used for divider and bottom plates
- Casing height: 6" - 8" - 10" - 12" - 16" - 18" - 20"
- Casing width: 10" - 12" - 15" - 20" - 24" - 30" - 36" - 42" - 48" - 54" - 60"

#### ACCESSORIES

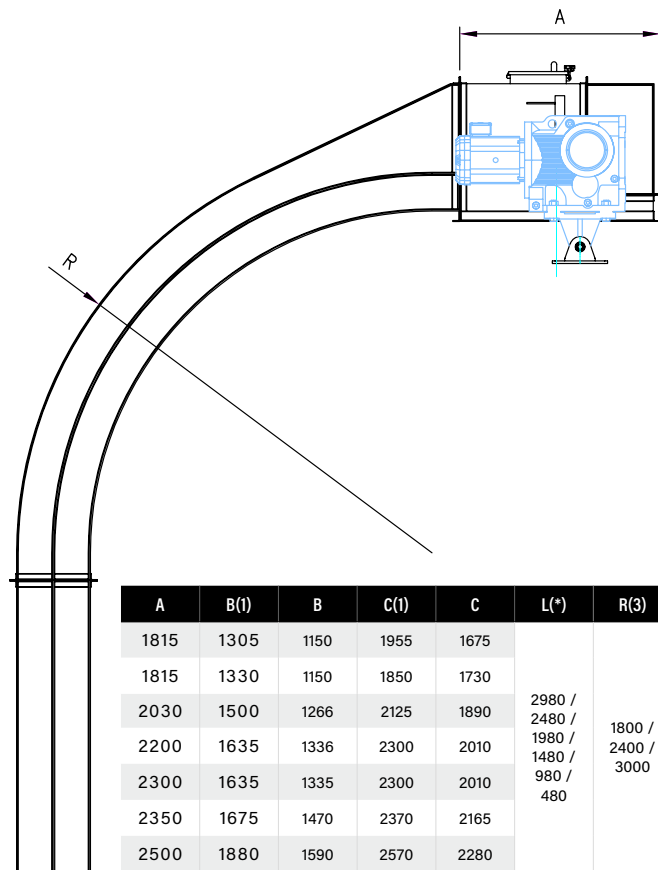
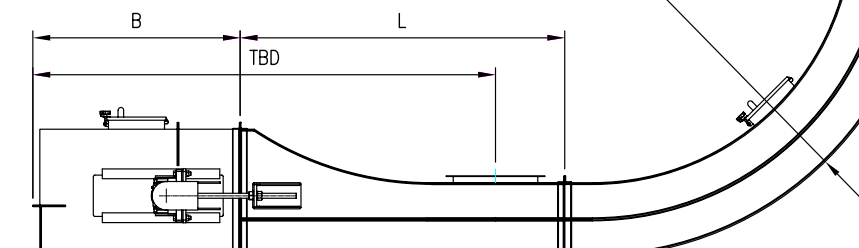
- Welded or stud bushed chain assembly
- Angle or flatbar chain flight attachments (depending on flight design)
- Protective lining (thickness, quality, type)
- Motor arrangements
- Sealing (Vapor tight option [\*])

#### MAX CAPACITY

- Up to 1200 - 1500 t/h

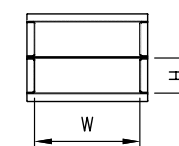


Technical Specifications						
	SINGLE CHAMBER HEIGHT (H) [mm]	INTERNAL WIDTHS (W) [mm]	MAX CAPACITY @0,3 m/s (M³/HR)	MAX CAPACITY @0,4 m/s (M³/HR)	MAX CAPACITY @0,5 m/s (M³/HR)	MAX CAPACITY @0,6 m/s (M³/HR)
6	152	178 to 305	50	67	83	100
8	203	305 to 508	111	148	186	223
10	254	381 to 914	250	334	418	501
12	305	508 to 762	251	335	418	502
14	356	762 to 1372	528	703	879	1055
16	406	762 to 1219	535	713	891	1069
20	508	1219 to 1524	836	1115	1394	1672



A	B(1)	B	C(1)	C	L(*)	R(3)
1815	1305	1150	1955	1675		
1815	1330	1150	1850	1730		
2030	1500	1266	2125	1890	2980 / 2480 / 1980 / 1480 / 980 / 480	1800 / 2400 / 3000
2200	1635	1336	2300	2010		
2300	1635	1335	2300	2010		
2350	1675	1470	2370	2165		
2500	1880	1590	2570	2280		

(3) R outside curve diameter



\*Optional

# PORTABLE CONVEYORS

AGI Fertilizer Systems' portable conveyors are the best solution for filling your warehouse in the most efficient and economic way. They are custom engineered to handle dry bulk materials to meet the customer's needs, from simple operations to large scale and complex plants.

## MAIN FEATURES

- Crescent top PVC belt
- Stainless steel casing and support
- Inlet hopper with double sealer belts
- Screw takes on wrap drive
- Weather proof stainless steel covers
- Bottom guards every 3 meters
- Grease lines from head bearing to ground access
- Tires and wheels
- Straight axle
- Maximum conveyor angle is 25°

## DRIVING HEAD

- Drive roller with shaft – crowned and vulcanized
- Belt drive motor
- Binful sensor (anti-clogging)

## TAIL

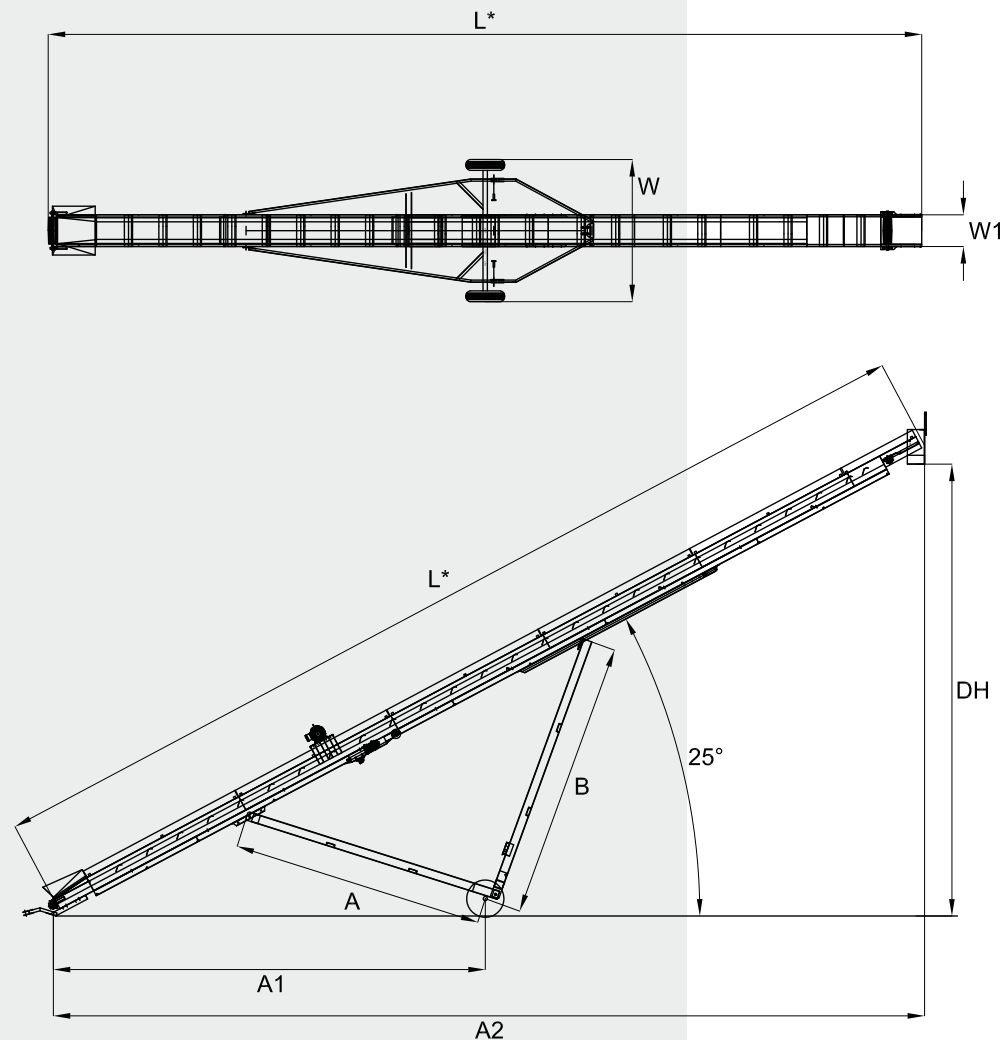
- Speed sensor\*
- Take up roller with shaft – crowned and open
- Standard tail guard cover

## ACCESSORIES

- Tubular arms for stainless steel undercarriage
- Emergency stop pull cord/switch\*
- 1 m<sup>3</sup> inlet hopper
- Drive options: Electric, Diesel, Hydraulic, or PTO

## MAX CAPACITY

- Up to 340 t/h



UP TO  
**340 t/h**  
CAPACITY

\*Optional

## Technical Specifications

MODEL	CAPACITY <sup>1</sup>		MAIN DIMENSIONS						
	T/H		L mm	W mm	W1 mm	DH MAX <sup>2</sup> mm	B <sup>3</sup> mm	A <sup>3</sup> mm	A1 <sup>3</sup> mm
18"	110		7620	2514	560	3700	1930	2240	3130
			9140	2514	560	4420	2420	2640	4000
			10660	2514	560	4820	2880	3000	4710
			12190	2514	560	5850	3350	3400	5355
			13710	2514	560	6560	3670	3610	6130
			15240	2514	560	6860	4310	4190	6840
			16760	2514	560	8000	4750	4560	7520
24"	210		6090	2514	710	2980	1850	2190	2700
			7620	2514	710	3700	1930	2240	3130
			9140	2514	710	4420	2420	2640	4000
			10660	2514	710	4820	2880	3000	4710
			12,190	2514	710	5850	3350	3400	5355
			13,710	2514	710	6560	3670	3610	6130
			15240	2514	710	6860	4310	4190	6840
30"	340		16760	2514	710	8000	4750	4560	7520
			18280	2514	710	8670	5290	4970	8230
			19800	2514	710	9440	5710	5340	8900
			9140	2514	870	4410	2420	2640	3860
			10660	2514	870	5100	2880	3000	4710
			12190	2514	870	5840	3350	3400	5355
			13710	2514	870	6000	3670	3610	6130
	15240	2514	870	7270	4310	4190	6840		
	16760	2514	870	8000	4750	4560	7520		
	18280	2514	710	8750	5290	4970	8230		

(1) Capacity is based on dry mineral fertilizer (m.c. 1%) - bulk density 1 T/m<sup>3</sup>.

(2) for maximum inclination of 25°

(3) dimensions are considered for L= 16,760 mm

(\*) Variable (Standard lengths = 6100/7620/9140/10660/12190/13710/15240/ 16760- Other lengths available upon request)

# AGI FERTILIZERS

## LIQUID FERTILIZERS PLANTS

Our liquid fertilizer equipment paired with the AGI Plant Manager automation can provide a view to the whole plant operation, including monitoring the material consumption, inventory, and plant productivity.

From terminals to retail facilities, AGI Fertilizer Systems has the software, support and equipment to increase your operational efficiency at every facility. Our integrations with accounting (ERP) and/or agronomy software maximize efficiency and help eliminate multiple points of data entry.

### AGI MASS METER SYSTEM

- Mass Meters have the ability to handle any flowable product and are accurate to the 0.10% and are able to handle multiple products and only calibrate once a year
- Sizes range from 25 to 200 mm depending on the flow you need



### AGI PRECISION WEIGH SYSTEM

- The only systems that continuously compensates for changing densities. Instead of maintaining and monitoring meters for every product, AGI's NTEP Precision Weigh Tank does it with just one device
- Available in different sizes to meet your needs

### INCREASING OPERATIONAL EFFICIENCY

- AGI Fertilizer Systems decreases your load time while increasing your accuracy and consistency on each load. Our goal is to increase safety and efficiency by enhancing communication with in-bay notification panel/lights, enhancing work flow with intuitive touch screen interface, and remote control functionality

# AGI FERTILIZERS

## TOWER BLENDING

The Tower Blend System is designed for high capacity retail or wholesale use, providing another efficient fertilizer handling option. The Tower Blend System is custom engineered to fit your blend and capacity requirements up to 500 T/h. Tower construction includes option of the 4 leg or 6 leg design, with spacious interior access for easy maintenance.

### STORAGE BIN COMPARTMENTS

- The storage bins can be divided between 4 to 16 compartments that would accommodate the raw materials used for the blend
- Electric operated full round distributor
- High and level sensors. Radar sensors can be an option
- Fully welded tank quadrants arrive on site - all bolt together assembly in the field with SS hardware



### TOWER STEEL STRUCTURE

- Jig built with brace construction made of hot dipped galvanized steel
- Stair access and platforms from bottom to top tower made of galvanized steel
- Complete bolt together construction

### WEIGH HOPPERS

All Weigh Hoppers are constructed solely of stainless steel and use a "floating lid" design

- Floating lid offers a solid mounted top with a single flex connection
- Supply spouting can be solid mounted to the top and will not affect the function of the hopper body
- One single flex joint significantly decreases dust within the tower and any influence on the scale system

### HIGH PERFORMANCE MIXER

All High Performance Mixers are constructed solely of stainless steel, use a dual counter-rotating rotor design, and are fully constructed before shipment

- Can be fitted with up to 8 spray bars, minimizing the influence of one liquid onto another when not desired
- Offers a low volume-fast cycle time option to tower blending
- Comes standard with a surge hopper which can be outfitted with loadcells

# AUTOMATION PLC SYSTEM

The automation system is the essence of the declining weight system. Once the blend formulation is entered into the software, the PLC computer sends the rate information to the proper dosing devices, then continuously monitors the motor's speed to ensure accurate blends.

## MAIN FEATURES

- Modular cabinets for battery combinations
- 3-phase power panel and control panel
- CE certified
- PLC control system
- Teleassistance
- 24" HMI screen
- Profinet connection
- Manual conveyance controls
- Run indicator lights
- Emergency stops
- Audible alarm system
- Software interlock system
- Power line filter
- English language by default



## ACCESSORIES

- Local variable frequency drive panels
- Load cells control
- Portable tablet for easy operation
- Remote access to plant
- AGI Plant manager software
- Printer
- PC in control room with one screen
- Available in French, Italian, Spanish and Portuguese upon request

## ADVANTAGES

- Modular cabinets for battery combinations
- Friendly software and easy to use
- Easy maintenance and operation
- AGI plant manager allows you to gain control on the inventory, the maintenance schedule and print reports and statistics of your operations

# PLANT MANAGEMENT SOFTWARE

AGI Plant Manager software is the optimal system to control, manage and track your activities in your blending plant. With its friendly design and graphics, Plant Manager would increase the performance and the efficiency of your operations to a better service. It can be connected to an agronomy platform online to navigate and stay updated on the selling and buying activities of fertilizers in the market.

## PRODUCT INFO

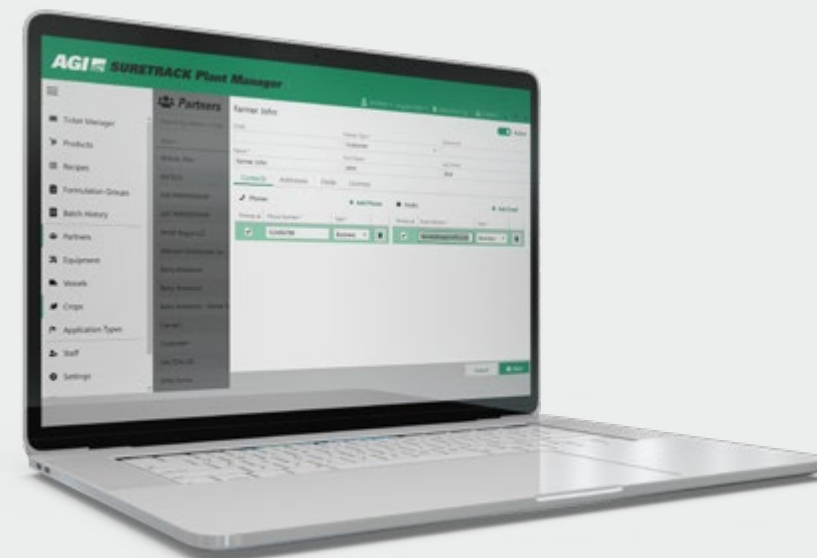
- Track inventory of the products in the plant after the blending activity, automatically
- Manual changes are recorded for the weight of the products' ongoing total
- Low product warnings to assure the stock of products is updated and to know when a re-order is required
- Product history is recorded
- Import products from the ticket

## USERS

- Permissions can be granted to partners entered as staff, allowing added functionality and accesses
- Users can be set up with specific roles and permissions
- Different type of partners/staff can be inserted with their information
- Users can work from one central database across the network for multiple instances of AGI Plant Manager

## FUNCTIONS

- Used for quick and easy batch entry
- Touchscreens can be mounted by load out or control room
- Can use multiple measurement systems at the same time
- Different language options
- Legal for trade system
- Setting the information for the valves



## MAINTENANCE

- Automatic software updates when subscription is valid and up to date
- Notifications and alerts on errors or information

## BATCHES

- If autosize is set, then when batches are created it will automatically resize batches to be the autosize amount set
- Emails or texts batch notifications on completion and cancellation
- Emails that fail to send from the system due to connection loss will automatically attempt to resend on system start-up

## TICKETS

- Imported and/or created tickets can be divided in to multiple batches
- Signature and E-signature capability. Ability to automatically sign

## REPORTING

- Customer product usage report daily product report, vessel report
- Batch history list
- Product history, batch history, and customer product usage report can be exported

## PRINTING

- System set up to print to multiple printers
- Check in and check out tickets
- Archives printed tickets and signatures
- Customizable print template
- Like products can be combined on the printout





AGI is a global leader in supplying farm and commercial customers with the manufacturing, planning, and engineering of full equipment solutions for grain, seed, fertilizer, feed, and food. AGI's expertise enables the storage, blending, mixing, conveying, conditioning, processing, and protection of agricultural products and inputs worldwide.

**Your safety is our highest priority.**

Please read and understand the operator's manual and safety decals before using. Use and maintain products properly, and do not modify. Keep guards in place when operating and follow all product manuals and safety decals. For all AGI products, if guards, safety decals, or manuals are damaged or missing, contact your AGI sales or dealer representative for replacements. Images and information contained in this brochure are presented for general information.

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