

# IntraBulk® MultiBin Reception unit

- Suitable for a wide range of alternative fuel materials
- Automatic discharging; capacity up to 500 m³/h
- Feeding possible via loader or crane
- Steady and continuous material discharge
- ATEX-compliant design
- Equipped with blockage protection and other safety features
- Maintenance-friendly design
- Ground-level installation



## Application

The **MultiBin** devices are used for discharging bulk solid materials and granulates delivered by front loader, crane, or other conveying technologies. The **MultiBin** is suitable for processing various types of alternative fuels, including:

### RDF (Refuse-Derived Fuels):

- Shredded plastics
- Textile
- Paper
- Rubber (tire chips)

### Biomass:

- Wood (chips, pellets)
- Straw
- Agricultural waste

### Sludge and granulates:

- WWTP sludge
- Coal sludge
- Animal meal

The system is also capable of handling any combination or mixture of the materials listed above.

## Design

The **MultiBin** consists of two main components: a screw trough and a pre-hopper. The trough contains a screw assembly with five individual screws, each driven by its own gearmotor to ensure efficient material discharge. The pre-hopper serves as a short-term storage area for incoming material.

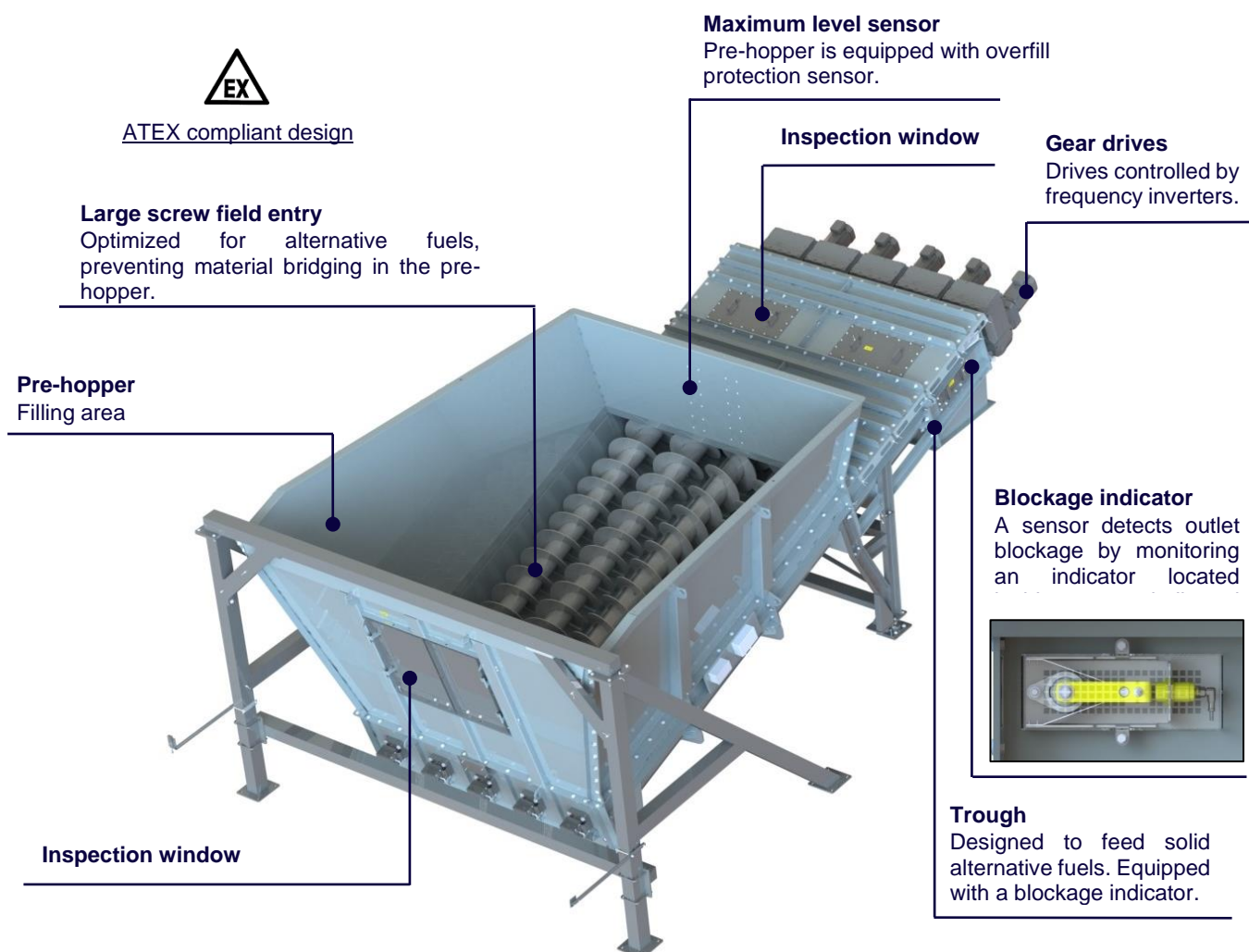


## Operation

This reception unit is the initial step in the conveying process, designed to receive material from front loaders, cranes, or other conveying technologies. The 30 m³ pre-hopper provides sufficient capacity for discontinuous material supply from cranes or front loaders, ensuring smooth and efficient operation.



## MultiBin description



| Screw Ø [mm] | Material lump size 3D/2D [mm] | B [mm] Max. volumetric flow [m3/h] | Approx. main gear drive [kW] |
|--------------|-------------------------------|------------------------------------|------------------------------|
| 500          | < 200/300                     | 500                                | 5,5 – 18,5                   |

## MultiBin variants

### MultiBin with guarding frame

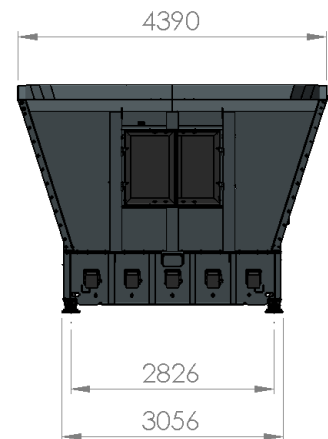
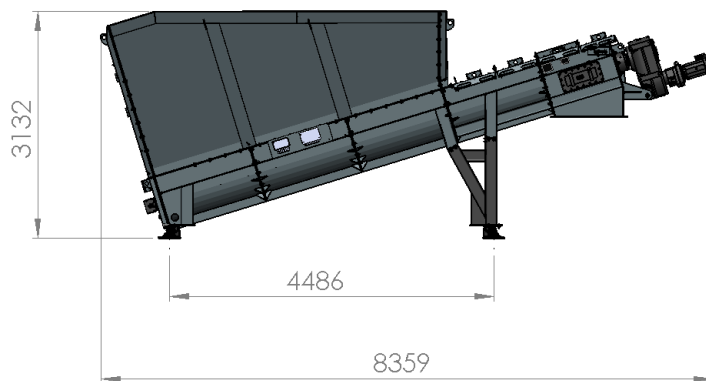
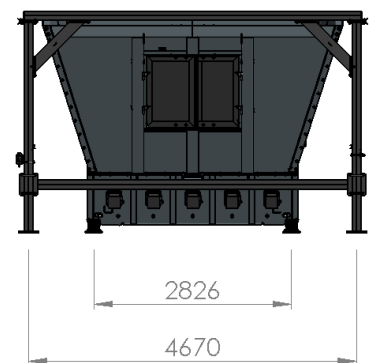
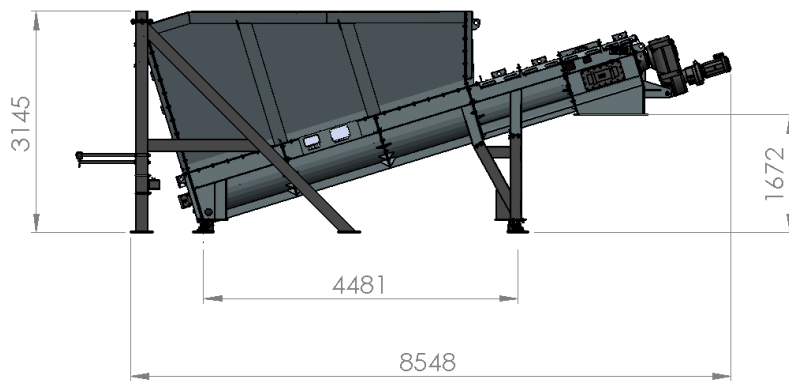
- Used for feeding from front loaders

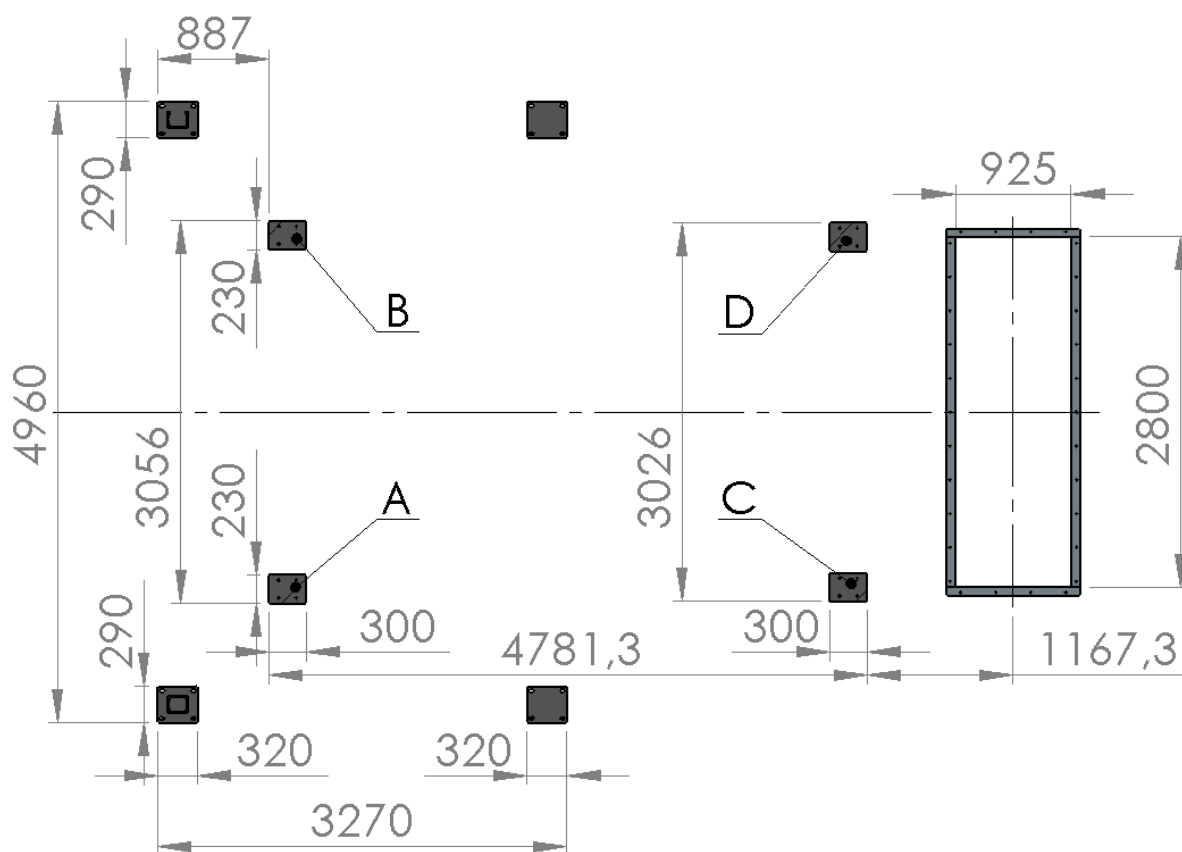


### MultiBin without guarding frame

- Used for feeding from crane

## General Arrangement





### General Anchor Loads

| MTB    | Empty | 800kg/m <sup>3</sup> |
|--------|-------|----------------------|
| A [kN] | 22    | 186                  |
| B [kN] | 22    | 186                  |
| C [kN] | 116   | 212                  |
| D [kN] | 116   | 212                  |

**Maximum possible load on foundations (for bulk density 800kg/m<sup>3</sup>)**

Qlar Europe GmbH  
Pallaswiesenstr. 100  
64293 Darmstadt, Germany  
T: +49 61 51-15 31 0  
F: +49 61 51-15 31 66  
sales-eu@qlar.com

Qlar Czech s.r.o.  
Průmyslová 484, Hala DC3  
252 61 Jeneč, Czech Republic  
Tel: +420 233 094 111  
PCZ-Sales@qlar.com



<https://www.qlar.com/contact-support/office-contacts>

All information is without obligation. All specifications are subject to change. © by Qlar Europe GmbH