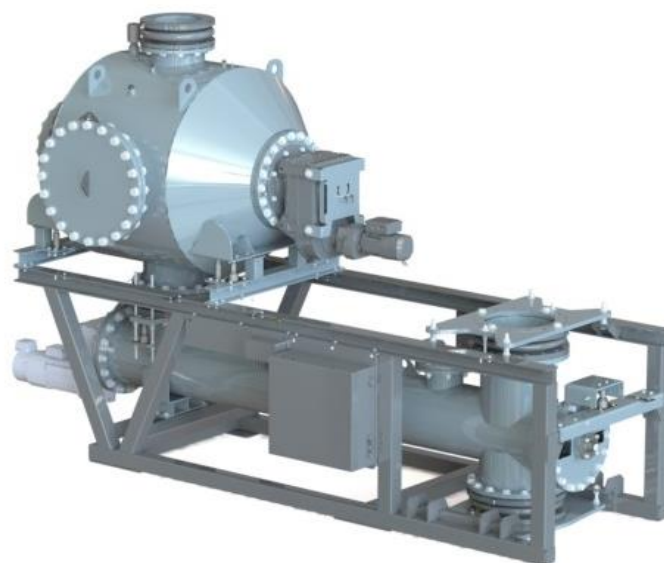


MultiFlex P

- Highly stable feeding with deviation 1%
- Highest feed rate up to 7,5 m³/h
- Dust-tight construction
- ATEX compliant design
- Consistent material discharge ensured by screw design and synchronization
- Pressure-resistant version designed for operation up to 10 mbar



Application

The **MultiFlex P** is designed for stable and precise weighing and feeding of bulky solid secondary fuels. It is capable of processing a wide variety of alternative fuels, including **Refuse-Derived Fuels (RDF)** such as shredded plastics, textiles, paper, and rubber (e.g., tire chips); **fluff materials** like tyres; biomass including wood (chips, pellets), straw, and agricultural waste; and **sludge and granulates** such as WWTP sludge, coal sludge, and animal meal. The system can also handle **any combination or mixture** of the materials listed above.

Equipment

The **MultiFlex P** consists of a hopper and a screw trough. The hopper serves as a buffer for short-term material storage and supports calibration procedures while absorbing fluctuations in the upstream conveying system. The screw trough is equipped with synchronized screw that ensure consistent material discharge.

The system has pressure-resistant design for operation up to **10 mbar**.

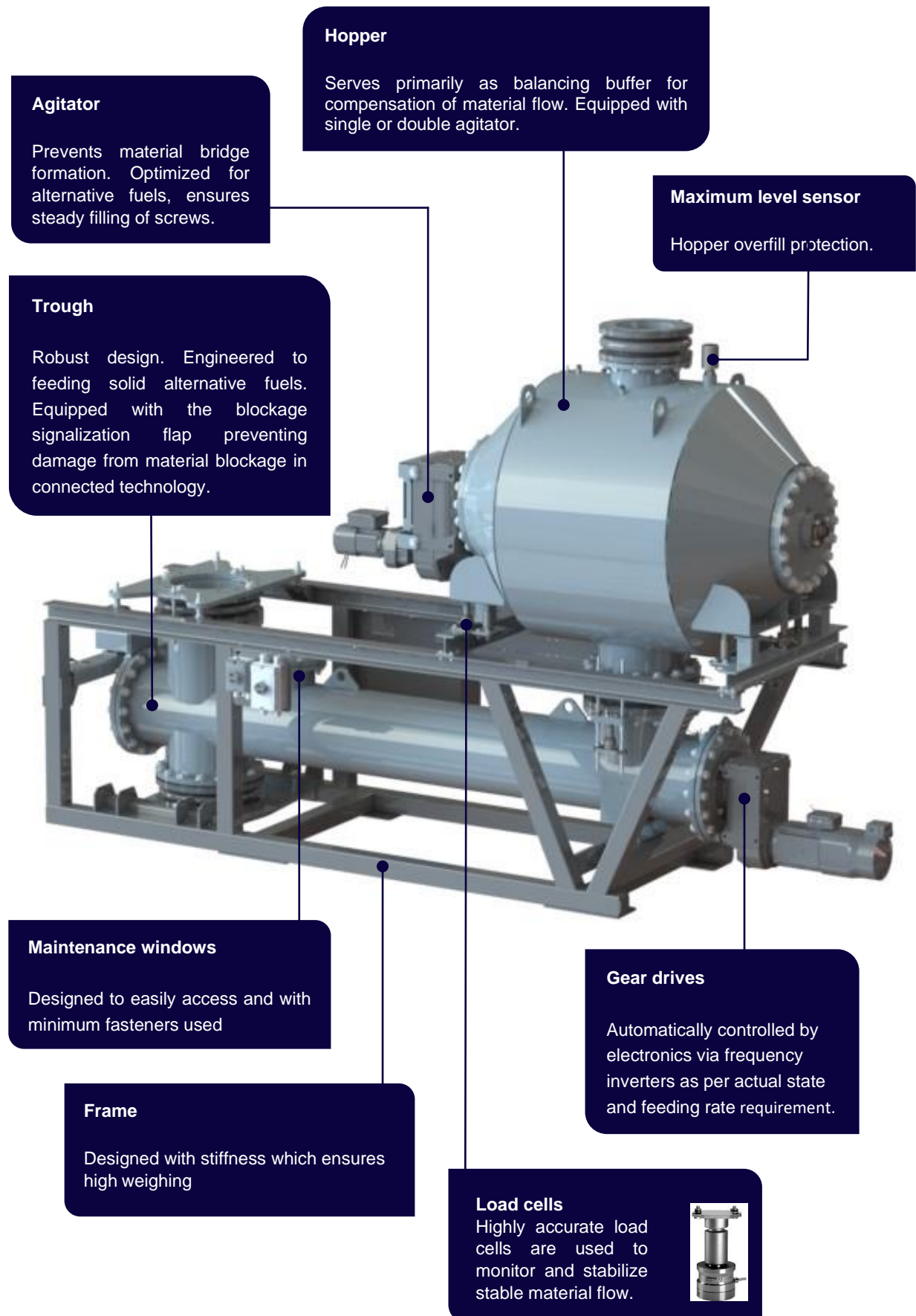
Functions

Material is extracted from the hopper by the screw trough and conveyed towards the discharge point. The feed rate is controlled via a variable frequency drive, ensuring highly stable feeding performance. The screw design and synchronization guarantee consistent discharge, even with challenging materials. The hopper is shaped to minimize the need for agitation, while integrated agitators support smooth emptying and optimal filling of the screw trough.

Features and properties

- Highly stable feeding with deviation of $\pm 1\%$
- Maximum feed rate up to 7.5 m³/h
- Dust-tight construction for clean operation
- ATEX-compliant design for explosive atmospheres
- Pressure-resistant design for operation up to 10 mbar
- Consistent material discharge ensured by screw synchronization
- Suitable for a wide range of alternative fuels and bulk materials

ATEX Compliant design

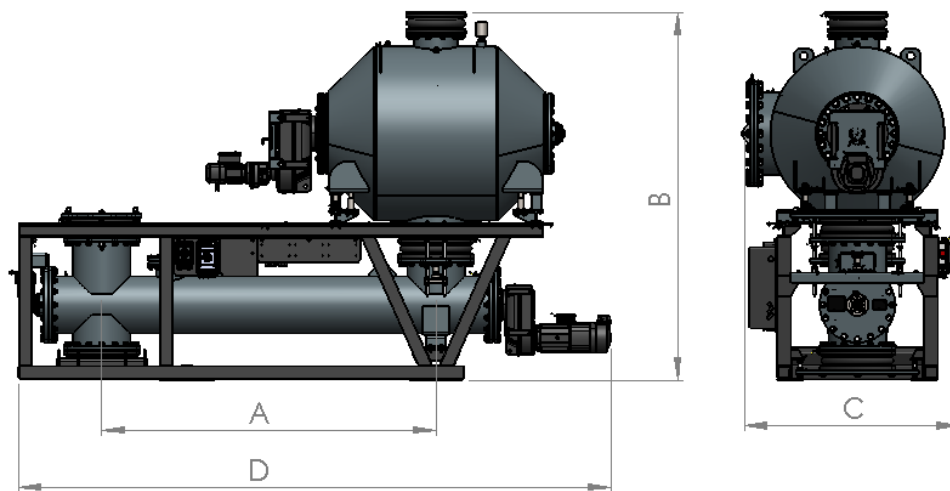


Feedrate / material properties

Trough diameter [mm]	Bulk density [t/m ³]	Material lump size 3D [mm]	Max. volumetric flow [m ³ /h]	Drive output [kW]
398	0,4 – 0,8	<10	7,5	4

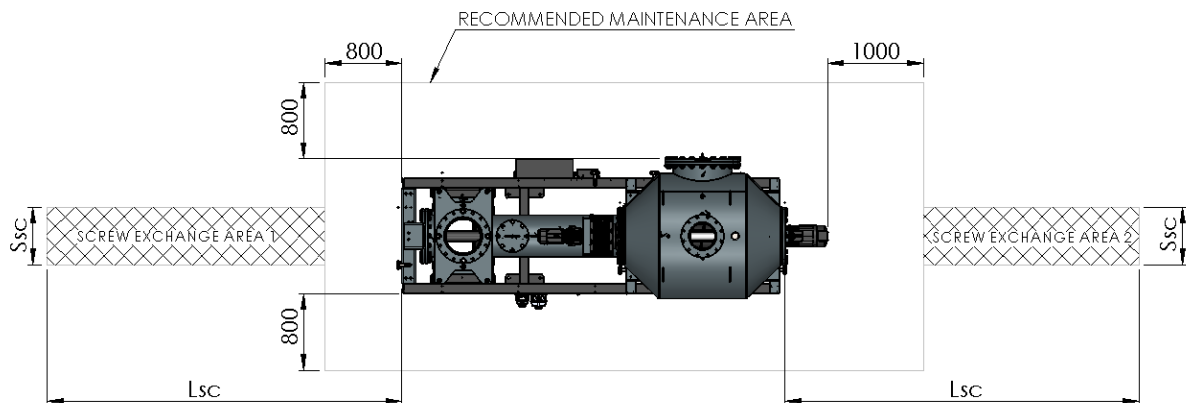
General dimensions

Trough diameter	400
Hopper size [m ³]	1,7
A [mm]	2500
B [mm]	2752
C [mm]	1603
D max.[mm]	4429



Screw exchange dimension area

Ssc [mm]	1000
Lsc [mm]	4500



SCREW EXCHANGE AREA 1 OR 2 HAS TO BE CONSIDERED

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