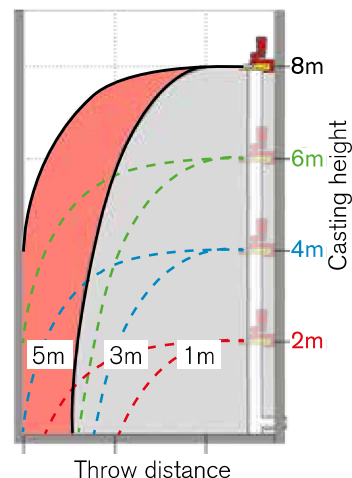


# REFUELLING SYSTEMS

## Automatic filling system for woodships with through and vertical auger

With the newly developed vertical refill system for Wood Chips, difficult to access room can be easily refuelled. For instance, storage rooms in upper floors without appropriate access roads, or containers, can be handled very easily. The refill trough is available in two different formats: 2,10 m and 2,80 m in length, either with or without suitable transportation wheels. Depending on the situation on-site, it is also possible to sink the trough into the ground floor. Additionally, Hargassner offers a special framework and rain protection cover for trouble-free opening and unloading of the chips from a trailer. The vertical filling system can handle heights up to 8m and uses a specially constructed ejecting system including an adjustable metal sheet cover (yellow) to ensure best distribution in the storage room. Output: 50m<sup>3</sup>/h; depending on Wood Chip quality.

Spread pattern depending on Wood Chip size: the Wood Chips. The larger or heavier the Wood Chip pieces, the more intensively they will be thrown away (see red chart on diagram). In contrast, fine or light parts fall down earlier (see black chart on diagram). Therefore, we have a different refill performance, according on refill height and fuel quality.



### Filling System with Inside Ejector

The Wood Chips are being distributed into the storage with an inside ejector. A patented ejector helps to keep dust-low very low



### Filling System with Outside Ejector

The vertical auger is mounted outside of the building. Ideal solution for Silos or low room heights. Distribution via a small slot.



### Filling System with horizontal auger

A horizontal auger is filling the storage. Especially needed for long storages or hardy-accessible storage rooms



## Filling System with variable Inclination

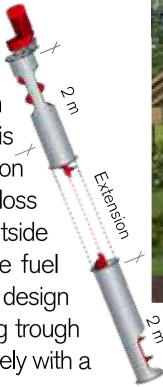
Filling of the storage via a variable auger. Especially for high storages with roof-gable.



## Befüllschnecken

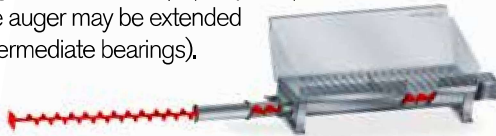
### Vertical filling system + variable inclination

The vertical outside filling system for Wood Chips, enables the convenient automatic refill of hardly-accessible rooms. The refill of the storage room takes place through a small opening (window or slot, min. 65cm width and 30cm height). The all new outside ejector is the best solution for situations, where a inside installation is not possible, e.g.: round silos or low room heights (no loss of space due to inside motor). The specially-designed outside ejector guarantees best Wood Chip distribution in the fuel storage - depending on ejector position, storage room design and Wood Chip quality. Output: up to 50m<sup>3</sup>/h The filling trough may be installed counter-sunk in the ground or alternatively with a cover frame and lid.



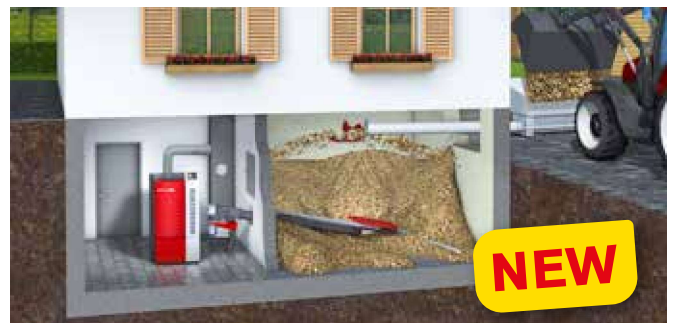
### Horizontal filling auger

The horizontal filling auger for Wood Chips, enables the convenient automatic refill of hardly-accessible basement storage rooms. The specially-designed horizontal auger guarantees best Wood Chip distribution inside the fuel storage - depending on auger position, storage room design and Wood Chip quality. Output: up to 30 m<sup>3</sup>/h The auger may be extended up to 10m (incl. intermediate bearings).

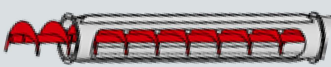


### Horizontal filling system with centrifugal plate

The horizontal filling system with a centrifugal plate for Wood Chips enables convenient automatic filling of "large" basement storage rooms that are difficult to access. The centrifugal plate guarantees an optimal distribution of Wood Chips in storage rooms up to 5x5 m and a high conveying capacity up to 50 m<sup>3</sup>/h, depending on the quality of the Wood Chips. The basic filling trough can be sunk into the ground, but can also be equipped with a cover.



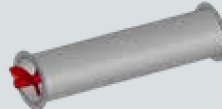
## ACCESSORIES



Horizontal Auger



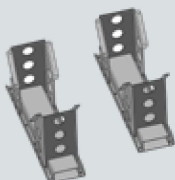
Angle drive unit



Extension horizontal and vertical



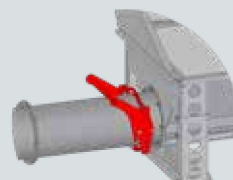
Mounting Clip



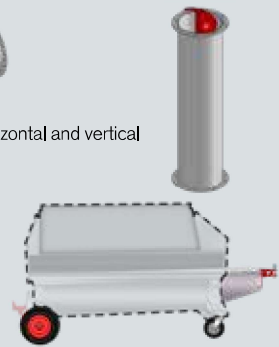
Fork lift console



Wheels 4 pcs.



Quick-connect coupling



Assembly