



DIMENSIONS	<i>custom</i>
WEIGHT	<i>custom</i>
POWER	<i>custom</i>
VOLTAGE	230/400 V
LOADING	<i>continuous</i>

DESCRIPTION

The scraping vane dredging conveyors are designed to transport short swarf. They are usually used for loading wet swarf to the centrifuge or for transporting dry swarf to containers or storage silos. The structure is made of 30/10 sheet metal. Transportation takes place by means of vanes that push the swarf, scraping the bottom of the conveyor. The conveyor vanes, in metal and vulkollan, are fixed on a double chain and can be of different models and mounted at different distances, depending on requirements. The material is fed close to the conveyor tail, while ejection occurs through the discharge outlets located in the upper part of the machine. In case of wet swarf, the dredging effect drains the cooling lubricant which is stored inside the integrated tank.

SUPPLY

- Made of sturdy metal carpentry
- Loading channel;
- Dredging vanes, chains, pinions and shafts;
- 0.55 kW geared motor;
- Safety device to prevent overloading;
- Electrical components.

OPTIONAL

- Integrated oil collection tank, complete with transfer pump and level sensor;
- Swarf level sensor, for loading/unloading control;
- Multiple unloading for material distribution;
- Discharge slides, manually or automatically adjustable.

HOURLY PRODUCTION

Q = 0.1 m3/h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
Δ density [kg/dm3]	=	=	=	=	=	=
Kg/h →	=	=	=	=	=	=

EACH CONVEYOR IS SIZED ACCORDING TO THE CUSTOMER'S REQUIREMENTS. THE QUANTITY OF SWARF TRANSPORTED ALSO DEPENDS ON THE HEIGHT TO BE REACHED AND THEREFORE ON THE INCLINATION OF THE CONVEYOR, BUT ALSO ON DENSITY AND SHAPE OF THE MATERIAL TO BE TRANSPORTED.

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SWARF CHARACTERISTICS & TECHNICAL NOTES

1. The swarf must be short or not larger than 1 or 2 cm x 1 or 2 cm; therefore, in case of long or skin-type metal swarf, it is advisable to combine the conveyor with a FAMA shredder;
2. The swarf must not contain pieces (bar ends or headers, processed parts, ...). Pieces in the order of cm are tolerated;
3. The swarf can be dry or soaked in coolant oil. In this case, an oil collection tank (optional) must be associated with the conveyor.
4. The channel is normally made of carbon steel. If the material to be handled is abrasive (cast iron and steel), the channel is internally coated with wear-resistant materials.



USE OF THE DREDGING VANE CONVEYOR

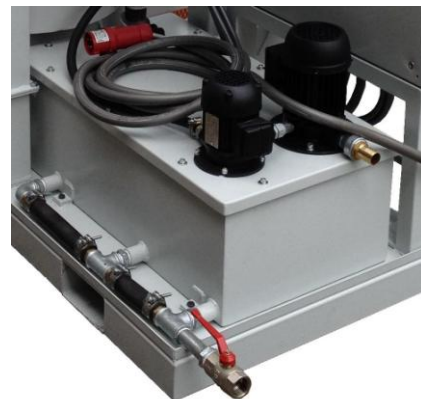
The dredging conveyor can have multiple applications:

1. After shredding for centrifugal loading.
2. Loading of the collection and /or storage tank.
3. It is suitable for integration with filtration systems.

RECOVERED OIL COLLECTION TANK (OPTIONAL)

It is a small tank to store the recovered oil. The tank is divided into two parts. In the first half the recovered oil flows and settles, then overflows into the second half where the washing pump and the oil relaunch pump are placed.

On the bottom of the tank there are pipes for complete emptying of the tank, connected, with ball check valve.



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