



SILO



TYPE	BRIDGE-TYPE
DIMENSIONS	10 ÷ 30 m3
POWER	3 kW
VOLTAGE	230/400 V
LOADING	continuous
UNLOADING POSITION	bottom

DESCRIPTION

FAMA silos are storage tanks for swarf accumulation. They are designed and sized to contain an adequate quantity of material in order to optimise swarf disposal operations. The bridge-type silos are designed for outdoor installations, in particular for situations where there is little space available and it coincides with the access road to the warehouse. The arched structure allows the transit of trucks under the silos. The doors on the bottom of the silo can be guillotine or clamshell type depending on the swarf.

BRIDGE SILO

THE SILO HEIGHT DEPENDS ON THE VOLUME AND TYPE OF SWARF.

SUPPLY

- Silo;
- Support structure;
- Plates and backplates with anchor rods;
- Vertical ladder with protective grate guard and padlocked door;
- Silo inspection platform;
- 2 rotative level sensors, one for almost full pre-alarm and one for full alarm;
- Automatic doors with geared motor of adequate power for swarf discharge;
- Alternating mass vibrators to facilitate sliding of the swarf when packed.

OPTIONAL

- Electrical control panel with key switch to enable the push-button panel located near the silo;
- Load cells for weighing.



SILO CAPACITY

SILO [kg]	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
10 [m3]	8,000	10,000	3,300	9,000	8,000	10,000
20 [m3]	16,500	20,000	6,600	18,000	16,500	20,000
30 [m3]	20,000	30,000	10,000	27,000	25,000	30,000

THE DATA IN kg ARE APPROXIMATE AND IN ANY CASE DEPEND ON THE DENSITY AND SHAPE OF THE SWARF.

FAMA RESERVES THE RIGHT TO MAKE CHANGES TO THE PRODUCT WITHOUT NOTICE

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€ 100,000.00 Economic and Administrative Index no. VI 220095 <http://www.famaproject.com> e-mail info@famaproject.com

Last modification: 22/04/2020



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TECHNICAL SPECIFICATIONS

The dimensions of the silo are established on the basis of production requirements, normally suitable to contain one week of production or more.

The height of the columns of the support structure are determined based on the height of the truck container.

The swarf containment tank undergoes a sandblasting and painting cycle with organic zinc plating, while the support structure is completely hot-dip galvanised.

The silo is equipped with a door with controlled opening, to ensure a safe and correct unloading procedure, allowing perfect dosing and distribution of the swarf on the truck.



ADDITIONAL TECHNICAL FEATURES

1. The support structure is accompanied by a certified structural calculation report;
2. The anchor bolts to fix the silo to the ground must be drowned in concrete. Depending on the type of soil, it is possible to build plinth or ground beam foundations;
3. If the silo is placed on an existing floor, it must bear the full load of the silo on the four support points.

LOADING METHOD

The silo can be loaded with two methods: by mechanical channel or by pneumatic system.

The first is a concave vane channel moved by chains, driven by a geared motor.

The second is a system that uses the speed of the air inside pipes, generated by a displacement pump, to push the swarf inside the silo.

If the silos are coupled, they can be loaded individually or connected by a distributor channel which is automatically activated when the first silo is full.



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