



# SILO



TYPE	VERTICAL
DIMENSIONS	10 ÷ 30 m <sup>3</sup>
POWER	3 kW
VOLTAGE	230/400 V
LOADING	continuous
UNLOADING POSITION	lateral

## DESCRIPTION

FAMA silos are designed and sized to contain an adequate quantity of material in order to optimise the swarf disposal operations. The vertical silos are designed for outdoor installations, in particular for situations where it is preferable to place the silo on a wall and to let trucks pass on the side of the silo. Due to their conformation and double discharge it is possible to divide the silo into two parts for the management of the double material. The self-braking motor and the vertical door guarantee a certain security against theft. They also allow, with a certain ease, an expansion of the volume, provided that the structure has been previously sized for this intervention.

VERTICAL SILO

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

## SUPPLY

- Painted silo;
- Galvanised support structure;
- Plates and backplates with anchor rods;
- Vertical ladder with protective grate guard and padlocked door;
- Silo inspection platform;
- No. 2 rotative level sensors, one for pre-alarm and one for load stopping;
- Automatic motorised doors;
- External pneumatic vibrators with continuous impact;
- Electrical control panel, with key switch to enable push-button panel located near the silo.

## OPTIONAL

- Load cells for weighing;
- Weight indicator;
- Electronic printer;
- Remote push-button panel.



## SILO CAPACITY

SILO [kg]	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
10 [m <sup>3</sup> ]	8,000	10,000	5,000	9,000	8,000	10,000
20 [m <sup>3</sup> ]	16,500	20,000	10,000	18,000	16,000	20,000
30 [m <sup>3</sup> ]	25,000	30,000	15,000	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

Uffici e Produzione /Offices and production site: Via del Terziario, 20 36016 THIENE (VI) ITALY – Tel.+39 0445 363950 Fax +39 0445 386068

Sede Legale/ Registered office: Via S. Antonio, 11 – 36030 FARA VICENTINO (VI) ITALY Tax Code/VAT no.: IT 02290490248 Share Capital

€ 100,000.00 Economic and Administrative Index no. VI 220095

<http://www.famaproject.com>

e-mail [info@famaproject.com](mailto:info@famaproject.com)

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## VERTICAL SILO

### 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 double door, 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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