GEBR. RUBERG

Maschinenfabrik

BLENDING SYSTEM WITH MULTI-PURPOSE POSSIBILITIES

RUBERG *Blending Silos*

RMS line

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RMS line

Type RMS 6000
Steel 1.0037.
With insulating jacket, drying equipment and waste air filter.

Mixing
Homogenizing
Loosening
Storing
Heating
Cooling
Drying
Tempering
Ageing
Overflowing
Dyeing
Humidifying
Gasing

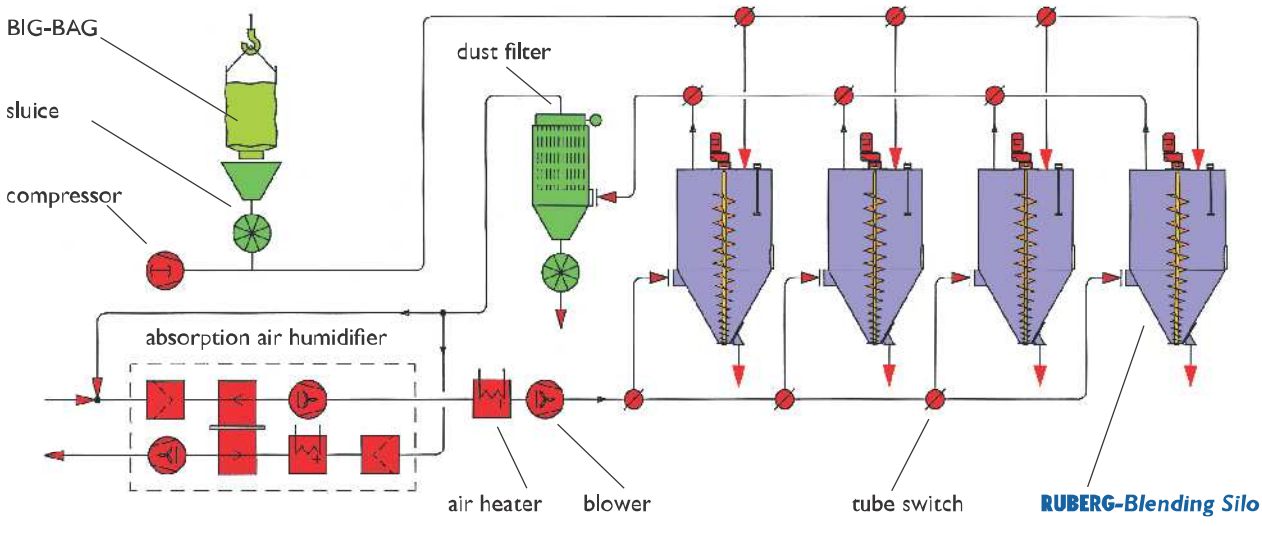
Sizes:
As a blending silo with a capacity from 100 litres to 20.000 litres or as a large-capacity blending silo with a capacity of up to 100 m^3. In a position suitable for inside or outside assembly. Low operating costs thanks to low required power, low-maintenance and wear.

Product-gentle homogenizing, drying, cooling and dyeing can for example be carried out in one working cycle.

Working Method:
Depending on its characteristics the product to be blended is fed either on top or at the side. It is also possible to feed it directly into the blending screw which is in the lower part. The blending screw consists of a sturdy central tube with welded anger-type helixes. The conical diameter and the progressive ascending slope are the decisive characteristics of the blending tools. They are chosen according to the silo diameter. Thanks to the special geometry of the open, slow turning blending anger the product can slowly flow from all horizontal levels of the silo towards the centre, where it is fed upwards with a slowly increasing feeding speed.

Horizontal and vertical currents blend the whole silo contents perfectly within a short time. The **RUBERG-Blending Silo** is equipped with an insulated double casing, so thermal blending tasks can be carried out.

Diagram of a **RUBERG** granulate blending and drying plant with **RUBERG** *Blending Silos*



Design Variants:

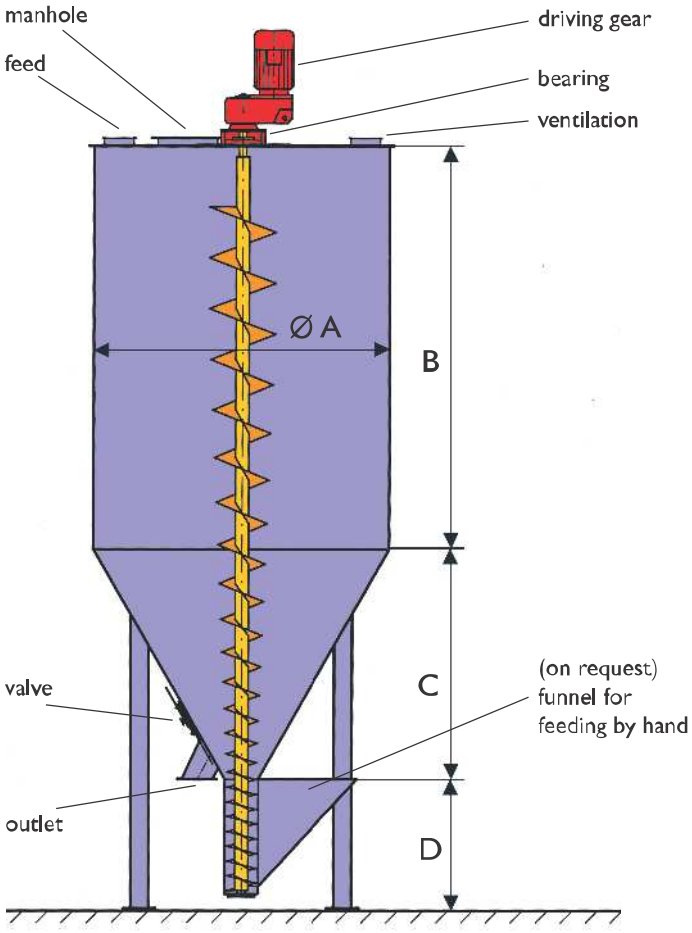
- The sizes and designs are variable and therefore can be adapted to nearly every field of application and site. The blending silo diameter and height are optional and have no influence on the blending quality.

- Complete **RUBERG Blending Silo** in steel 1.0037, primed and lacquered, depending on the tasks to be fulfilled. Alternatively complete silo in stainless steel or in combined design, e.g. blending chamber housing in aluminium, blending screw in steel 1.0037, stainless steel or manganese high-carbon steel.

- Feeding either in the lower part, whereby the components are fed by hand, or lateral feeding screw, e.g. with BIG-BAG feeding stations or bag feeding. With all necessary protection devices and safety limit switches for covers and flaps, as well as with all necessary corresponding electrical safety locks.

- Additional equipment such as cooling or ventilation connecting sleeve at the blending chamber. Filter connection piece or point filter on top of the housing cover to separate the dust particles from the outgoing air and simultaneous refeeding to the operating cycle. Blending silo standing on a weighing device (load cells) for weight recording or dosing. Heating, cooling or air drying plants for different operating cycles, complete with switch cabinet or PLC control.

Type RMS 8000
Stainless steel 1.4301.
With feeding screw.



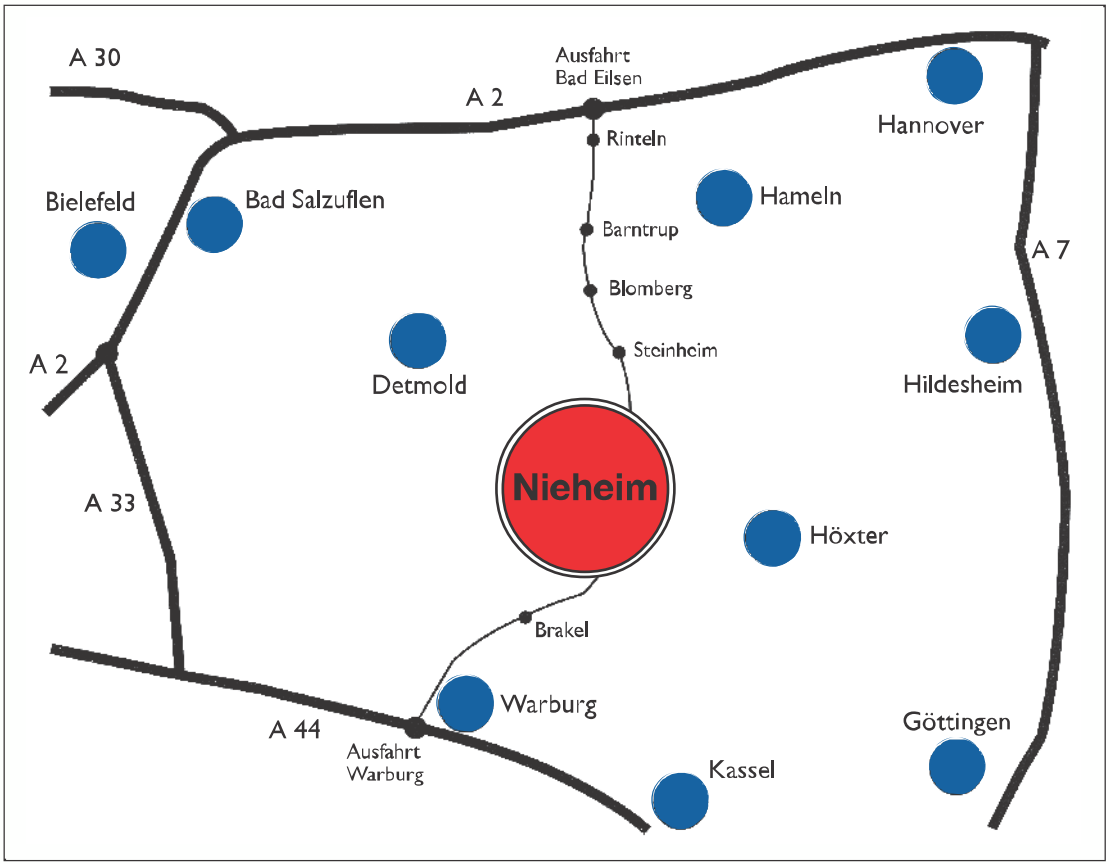
Type Effective volume in litres	A in mm	B in mm	C in mm	D in mm
RMS 100	500	500	350	600
RMS 200	600	600	400	600
RMS 400	750	800	550	600
RMS 500	800	900	600	600
RMS 750	900	1000	700	600
RMS 1000	1000	1350	700	1000
RMS 2000	1250	1500	900	1000
RMS 3000	1250	2500	900	1000
RMS 4000	1500	2250	1100	1000
RMS 5000	1550	2500	1100	1000
RMS 6000	1650	2500	1200	1000
RMS 7000	1700	2850	1300	1000
RMS 8000	1800	3000	1350	1000
RMS 9000	2000	2850	1550	1000
RMS 10000	2200	3000	1850	1000
RMS 12500	2300	3000	1900	1000
RMS 15000	2300	3500	1900	1000
RMS 17500	2300	4000	1900	1000
RMS 20000	2300	4500	1900	1000

The diameter and the total height of the **RUBERG-*Blending Silos*** can be provided in several sizes.

Modern Testing Centre

RUBERG-Blending Silos RMS 10000
ready for dispatch

As a factory for machinery, the company Gebr. Ruberg GmbH & Co. KG was founded as a family concern in 1848. From the then production of primarily wind- and watermills there arose throug the decades a modern machinery production facility. Our machines are used for chemicals, foodstuffs, pharmaceuticals, construction and plastic materials and our production programme extends over the complete planning, production and installation of complete plants and individual machines. A specialized staff of about fifty members have made innovation and progress our business. The tests and trials conducted in our testing centre allows us to develop systems and machines to the most advanced level of technology and standards.



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