



Mixing & Cleaning

GEBR. RUBERG

MASCHINENFABRIK

ORIGINAL – SINCE 1848

RUBERG

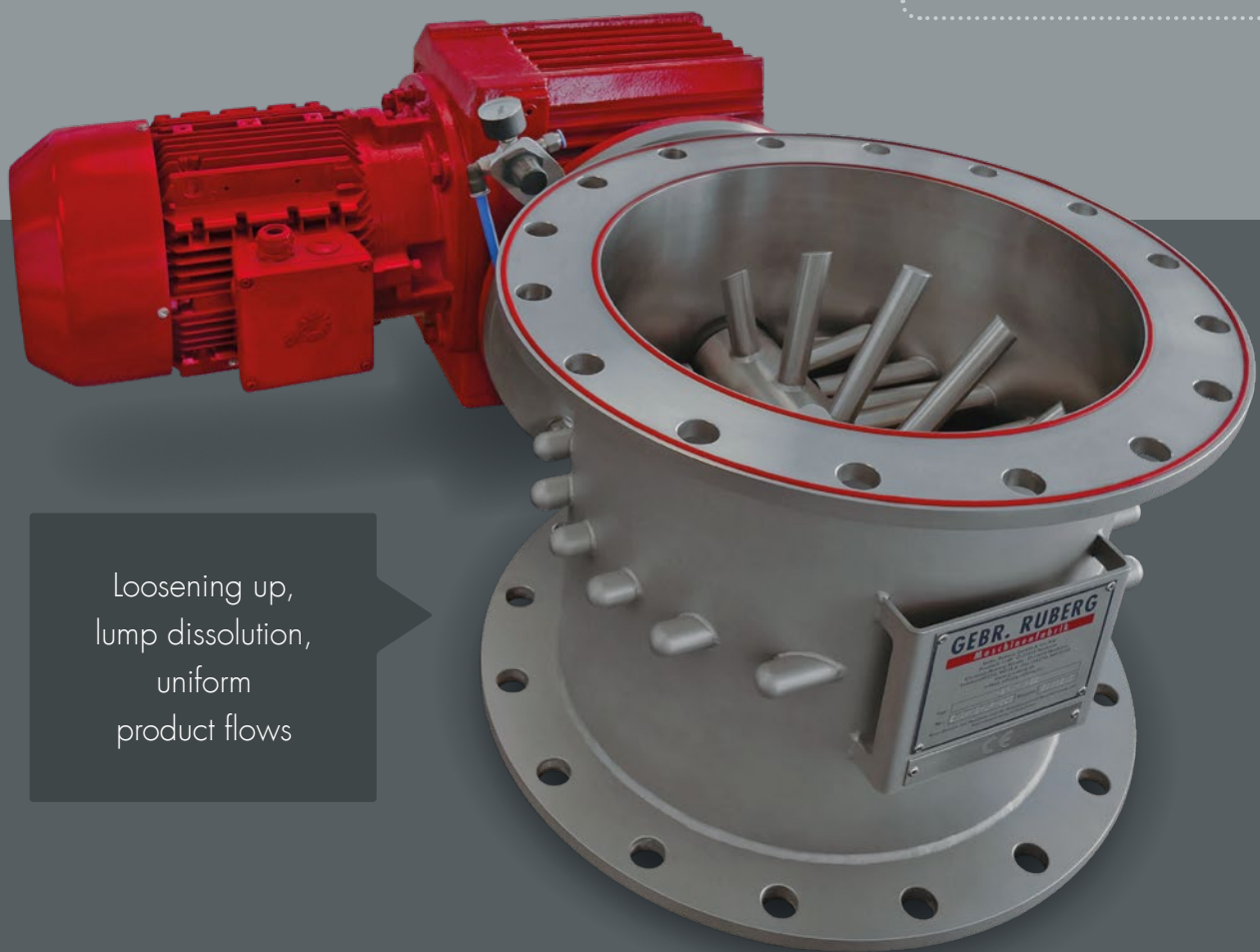
Lump breaker

■ KBR series

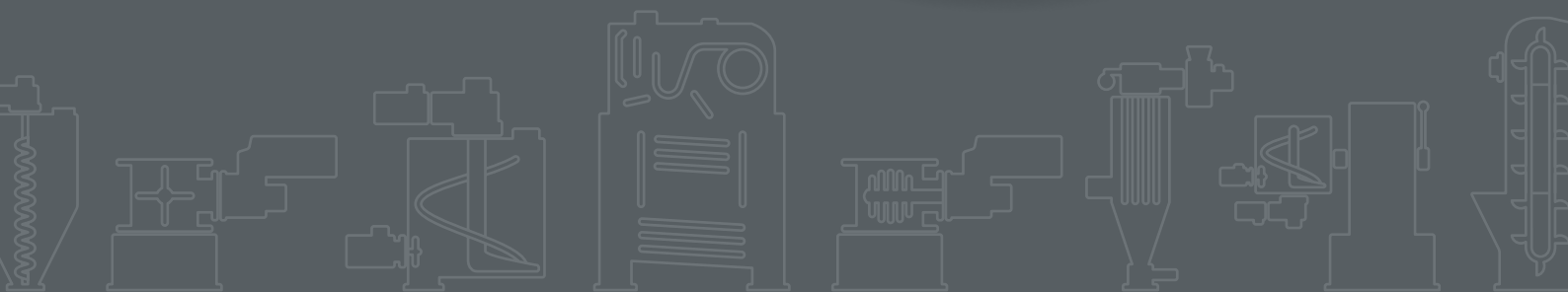
Technical data sheet and product overview

Areas of application:

- ▶ Chemistry
- ▶ Pharmacy
- ▶ Food
- ▶ Building materials
- ▶ Plastics
- ▶ Animal feed



Loosening up,
lump dissolution,
uniform
product flows



RESEARCH | DEVELOPMENT | DESIGN | ENGINEERING | SERVICE

Lump breaker | KBR series

Applications

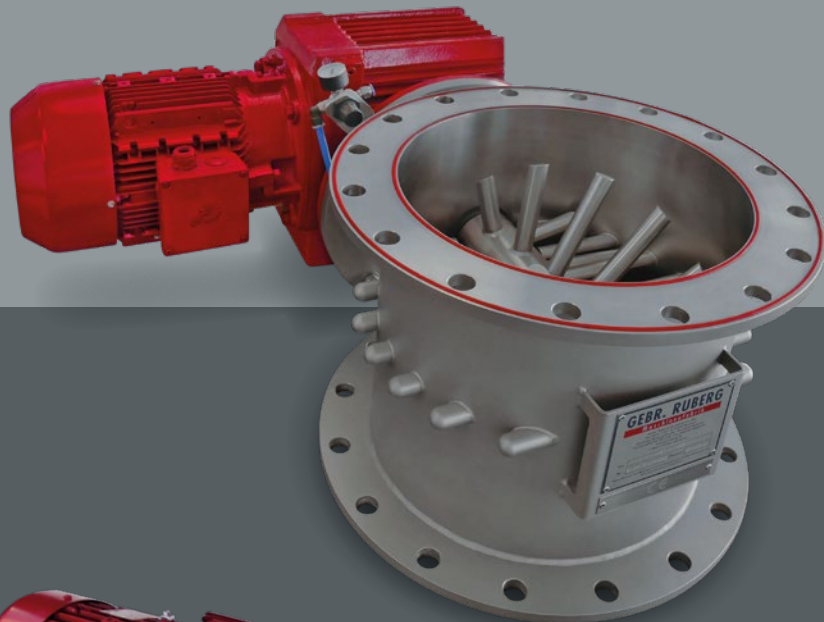
RUBERG lump breakers are used for crushing lumpy bulk materials and raw materials in many industrial sectors. They homogenise the particle sizes and the flow rate of the bulk stream. In doing so, they achieve uniform product transfer from bins, silos, big bags, bag dumps, etc. into conveyors, mixers, process equipment, filling lines, etc.

Mode of operation

A free-floating rotor with welded bars meshes through the likewise welded bars of a stator in the cylindrical housing. The shape of the bars and their grid and gap dimensions determine the grain sizes of the crushed nodules. The rotor is guided and driven directly in the hollow shaft of a geared motor. The rotor shaft is sealed by a multiple mechanical seal. Operated with a frequency converter, the throughput can be changed and malfunctions can be automatically corrected by reversible operation.

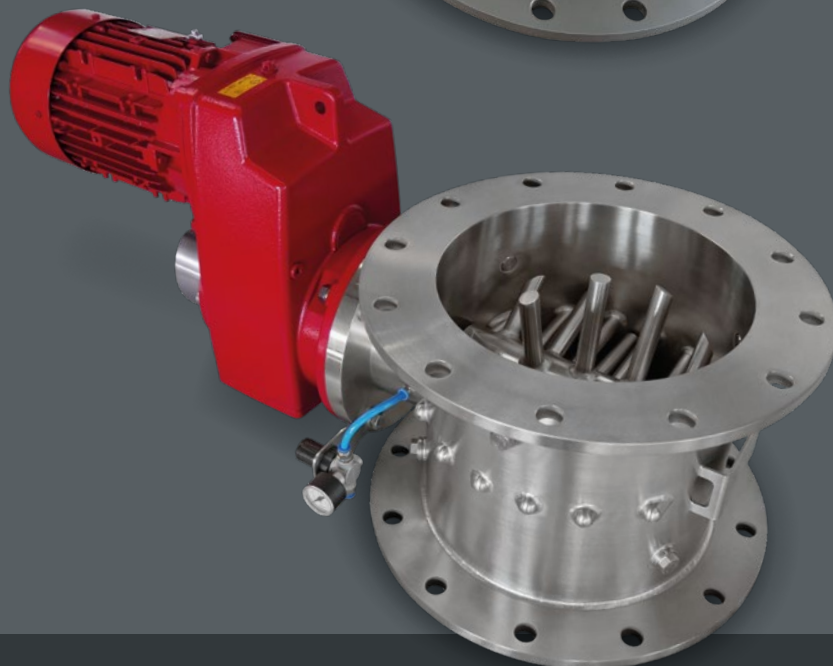
Type KBR 500
Stainless steel

Material: 1.4301.
For fertilizers



Type KBR 300
Stainless steel

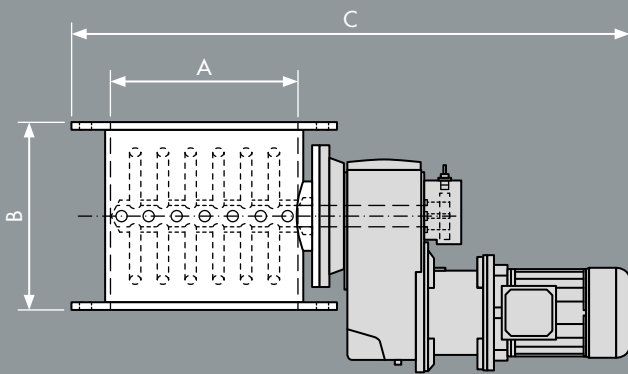
Material: 1.4571.
For food



Design

In high-quality stainless or special steels optionally with wear-resistant coatings or with hygienic surfaces with adequate seals, RUBERG lump breakers find a wide range of applications in the bulk materials, chemical, pharmaceutical and food sectors. Manufactured according to GMP, FDA and ATEX guidelines. The nominal sizes correspond to common standard series.

With flat flanges, clamp flanges or straight spigots for sleeves, they can be easily integrated into existing piping, plant components and process apparatus. Heating or cooling jackets for temperature-controlled products, self-closing rinsing nozzles for automatic CIP cleaning and swivel bearings for inspection of the entire unit are examples of additional equipment.



Performance data & dimensions

Type	Nominal width	Throughput rates in m ³ /h	Drive powers in kW	Approx. dimensions		
				A in mm	B in mm	C in mm
KBR 150	DN 150	1.0 - 3.0	0.50 - 1.0	150	150	830
KBR 200	DN 200	1.5 - 5.0	0.75 - 1.5	200	200	880
KBR 250	DN 250	2.5 - 7.5	0.75 - 3.0	250	250	1015
KBR 300	DN 300	3.0 - 10.0	1.10 - 4.0	300	300	1065
KBR 400	DN 400	4.0 - 25.0	2.20 - 7.5	400	400	1210
KBR 500	DN 500	5.0 - 30.0	3.00 - 11.0	500	500	1340

RUBERG Technology Centre

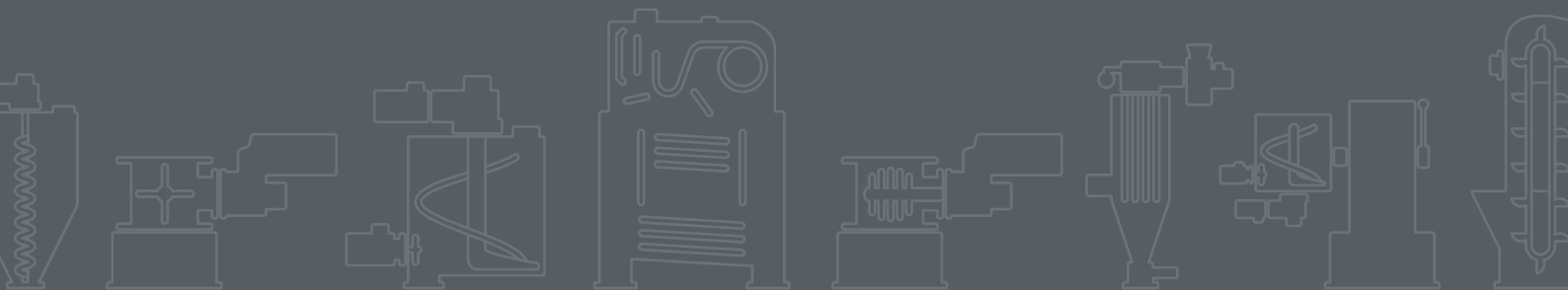


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Would you like more information about this RUBERG machine type? – Contact us, we will be happy to advise you!



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