



Mixing & Cleaning

GEBR. RUBERG

MASCHINENFABRIK

ORIGINAL – SINCE 1848

RUBERG

Continuous mixer

■ DLM series

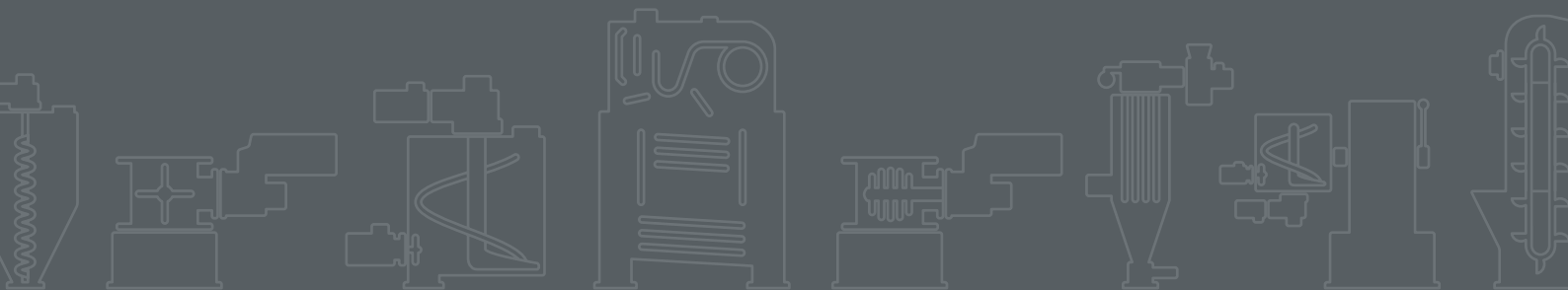
Technical data sheet and product overview

Areas of application:

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



Powerful and continuous with high throughput and excellent mixing qualities



Continuous mixer | DLM series

Sizes

From 0.5 - 750m³/h throughput capacity with a mixing chamber volume of 70 - 7200 litres. In corresponding, high-quality stainless or special steels. Individually adjustable mixing tools allow a variable residence time of the product in the mixing chamber. Installation horizontal or up to 45 degrees slope. Low operating costs due to robust design. Control flaps along the entire mixer length for cleaning and maintenance. Residual discharge > 98%, depending on design and mixing tools.

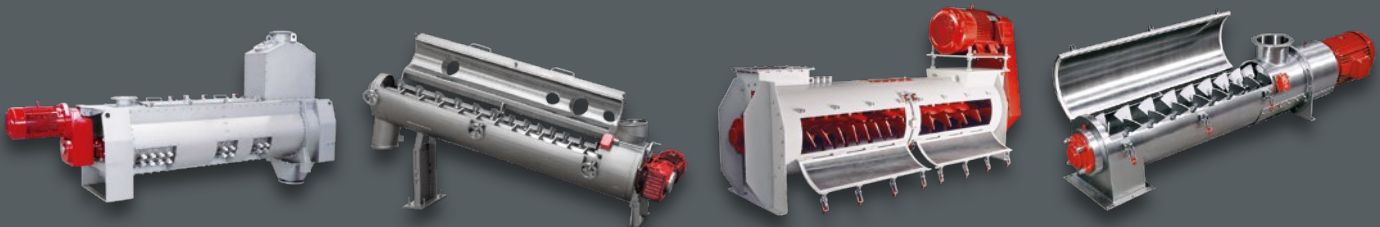
Mode of operation

The continuously fed product is collected in the infeed area by the first mixing tools and conveyed further. Alternating working zones for compacting and expanding homogenize the mix. The dwell time of the product in the mixing chamber can be varied by adjusting the angle of the mixing tools and the peripheral speed to suit the mixed material. The frequent contact of the product with the mixing tools and the speed adapted to the mixed material causes powders and liquids, for example, to agglomerate. The sophisticated technology and robust design guarantee trouble-free and long-lasting operation.



Type DLM 1000-3000
Stainless steel
Material: 1.4571.
For fertilizers

RUBERG continuous mixers can be adapted to on-site building conditions in any size. Likewise, the design of the inlets and outlets as well as the arrangement of the inspection door can be freely selected.



Type DLM 500-2500
Stainless steel

Material: 1.4571.

With weir, insulated heating jacket and heated exhaust air duct for coating chemical granules

Type DLM 250-1500
Stainless steel

Material: 1.4571.

With insulated heating jacket for chemical powder

Type DLM 800-3000
Stainless steel

Material: 1.4301.

For animal feed

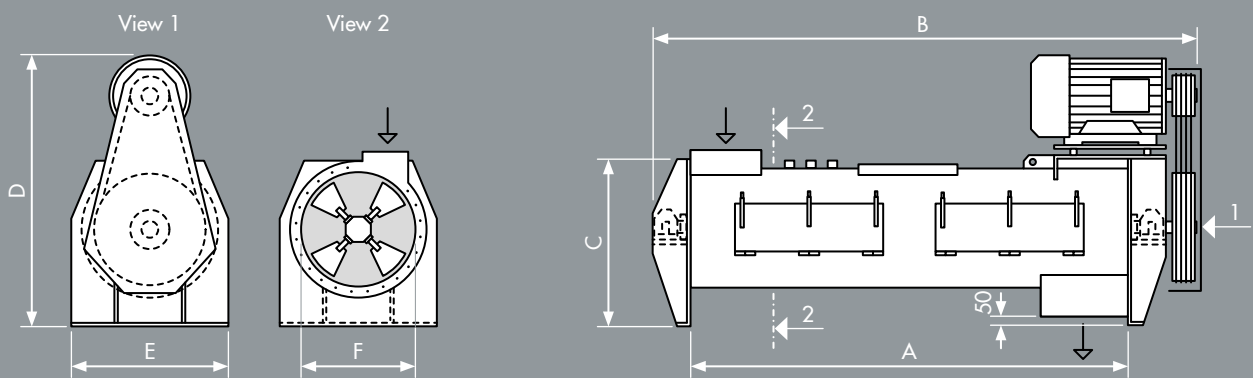
Type DLM 350-1500
Stainless steel

Material: 1.4571.

With sealing air purge for food

Process engineering variants

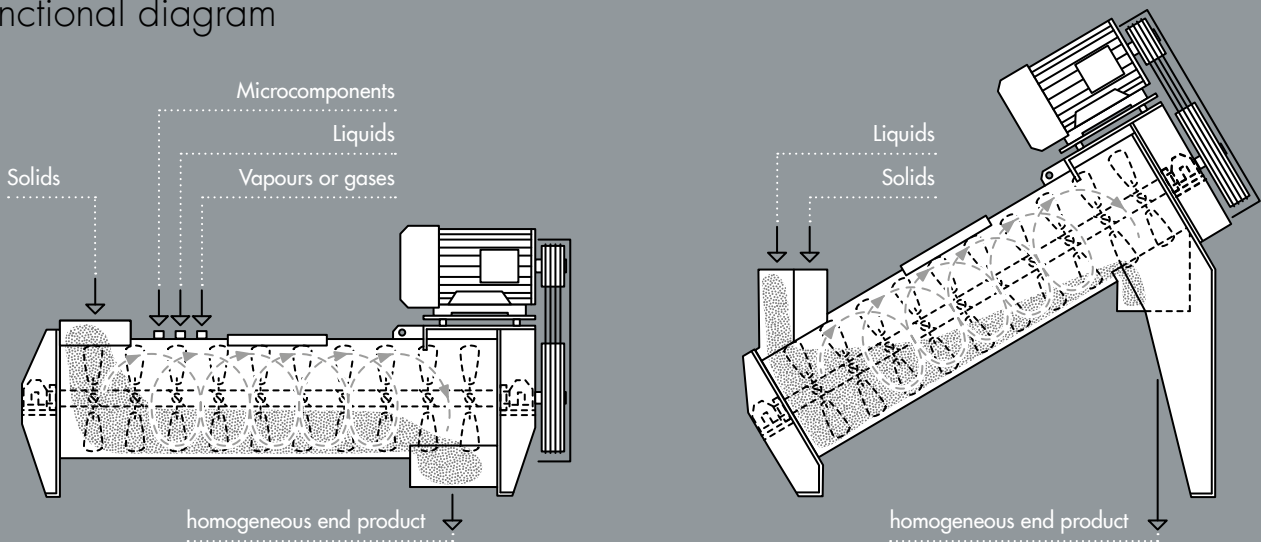
- ▶ Wear protection through fused cast basalt coating
- ▶ prevention of product caking due to wear-resistant non-stick coating of the mixing chamber
- ▶ Addition of liquids, vapours, gases and highly viscous media into different working zones of the mixing tools
- ▶ Continuous throughput weighing, e.g. via impact plate scale, for calculation of throughput performance and fully automatic dosing of other additives
- ▶ Process monitoring through integrated sensors (power, temperature, humidity, etc.)



Performance data & dimensions

Type	Mixing chamber volume in litres	Throughput rates in m ³ /h	Drive powers in kW	Approx. dimensions					
				A in mm	B in mm	C in mm	D in mm	E in mm	F in mm
DLM 250-1500	70	0.5 - 10	2.2 - 11.0	1500	2400	425	425	250	340
DLM 350-1500	140	1.5 - 20	3.5 - 15.0	1500	2450	475	475	350	440
DLM 350-2000	190	5.5 - 50	5.5 - 30.0	2000	2500	675	1100	350	500
DLM 500-2500	480	50 - 80	15.0 - 45.0	2500	3040	800	1350	500	690
DLM 600-2500	700	80 - 120	30.0 - 75.0	2500	3100	950	1650	600	790
DLM 800-3000	1500	120 - 200	45.0 - 110.0	3000	3750	1150	1900	800	990
DLM 1000-3000	2100	200 - 400	75.0 - 200.0	3000	3850	1450	2400	1000	1200
DLM 1000-4000	2800	200 - 400	75.0 - 250.0	4000	4950	1450	2475	1000	1200
DLM 1200-4000	4250	300 - 750	110.0 - 315.0	4000	4950	1550	2700	1200	1400
DLM 1250-6000	7200	300 - 750	110.0 - 360.0	6000	8750	1750	2800	1250	1500

Functional diagram



Processing options

- ▶ Loosening up
- ▶ Homogenizing
- ▶ Agglomerating
- ▶ Moistening
- ▶ Conditioning
- ▶ Liquefying
- ▶ Gluing
- ▶ Desagglomerating
- ▶ Greasing
- ▶ Granulating
- ▶ Dispersing
- ▶ Neutralizing
- ▶ Massaging
- ▶ Emulsifying
- ▶ Dissolving
- ▶ Coating



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

