HÄNDLE

The right combination of de-airing mixer and extruder for each type of product – de-airing double-shaft mixers by HÄNDLE are thoroughly modular and variably sized.

De-airing double-shaft mixers

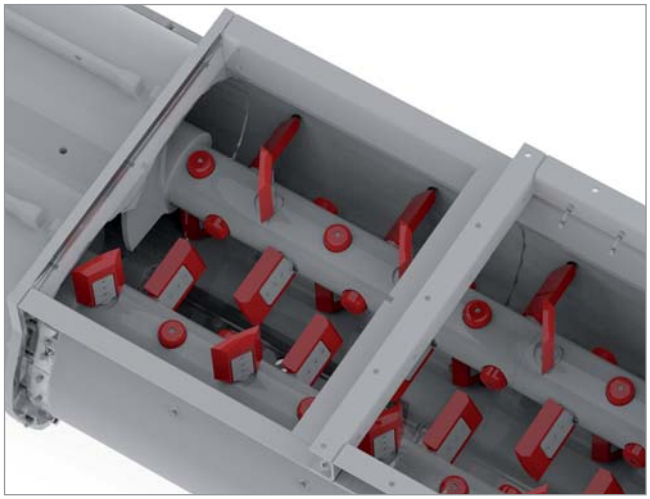
MDVG

The HÄNDLE de-airing double-shaft mixer series

For mixing, homogenizing, shredding and de-airing bodies. Some 2/3rds of the homogenizing effect in a de-airing double-shaft mixer takes place in the closed compression section.
A buildup of high pressures in the pressure zone is vital for excellent de-airing, and infinitely adjustable mixing paddles are indispensable for perfect mixing. The more thoroughly homogenized the body, the better and more economical the extrusion. A large de-airing chamber facilitates maintenance and improves vacuum conditions. Putting this scientific insight into practice, HÄNDLE lengthened the pressure zone of the de-airing double-shaft mixers and increased the volume of their de-airing chambers. Type-MDVG de-airing double-shaft mixers come in five different sizes with volumetric throughputs ranging from 21 to 75 m³/h compact (37 to 132 t/h wet).

Defining characteristics

- Optimal mixing by adjustable mixing knives
- Maximum delivery rate thanks to optimized filling of the de-airing chamber
- Superior vacuum conditions thanks to the large-volume de-airing chamber
- Economical extrusion thanks to best-possible homogenization of the body in the de-airing mixer
- High durability thanks to robust design and minimized wear
- Easy maintenance



Looking into the mixing chamber – mixing knives, hardenend protection caps and shaft-protecting sleeves

Technical data

TYPE	Barrel diameter mm	Trough width mm	Trough length mm	Volumetric throughput[1] m³/h compact	Throughput capacity[1] t/h wet	Power requirement kW
MDVG 715e	400	700	1500 + 500	3 - 21	5 - 37	22 - 45
MDVG 920f	500	900	1150 + 850	12 - 35	21 - 62	45 - 120
MDVG 1025f	570	1000	2150 + 1050	20 - 57	35 - 100	90 - 240
MDVG 1220c	650	1200	2000 + 1400	33 - 75	58 - 132	120 - 260

[1] Volumetric throughput and throughput capacity dependent on extrusion compound, speed and cross-section of the column

Subject to technical modification due to ongoing development.