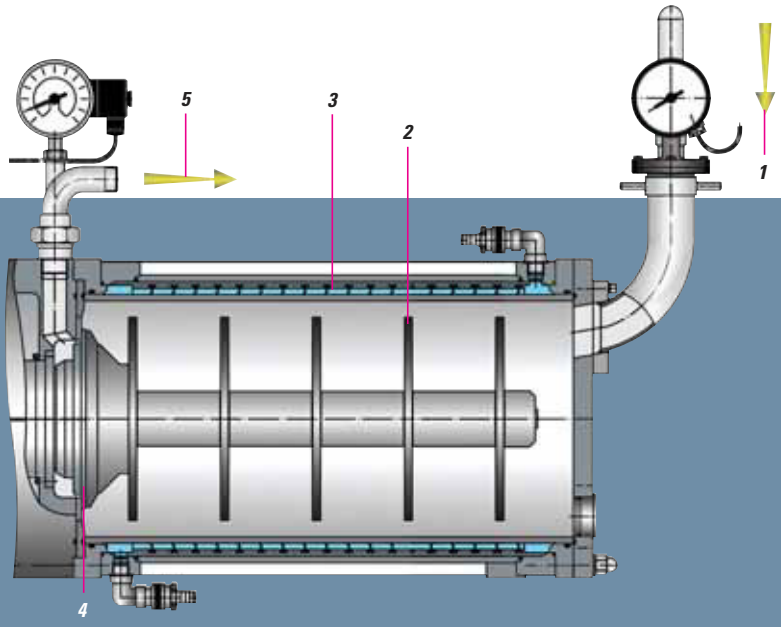
Low operating and maintenance costs

thoroughly practical and cost-effective



Mode of operation

1 *Product inlet/grinding bead inlet*
2 *DYNO® agitator discs in stainless steel, hardened steel, polyurethane*
3 *Coolable grinding container with easily interchangeable grinding cylinder in hardened or stainless steel, hard chrome plated stainless steel, polyurethane*
4 *Dynamic gap separator*
5 *Product outlet*

The **DYNO®-MILL ECO 5** is equipped with the traditional KD agitator discs. Easily interchangeable agitator discs, mounted on a shaft, transfer the energy required for dispersion and grinding to the grinding beads. An external pump feeds the product into the mill.

Grinding bead separation

The grinding beads are retained in the mill by means of a dynamic gap separator with rotor and stator of tungsten carbide. The gap width is adjusted with setting pieces corresponding to the grinding bead size. Grinding beads of different materials and sizes (0.5 – 2.5 mm) can be used.

Shaft seal

The shaft seal is achieved with the single acting mechanical seal developed by WAB. The compact design of this seal enables quick and easy replacement. The shaft seal is lubricated with a product-compatible rinsing liquid in a closed cycle.

High-speed maintenance and cleaning

The design of the **DYNO®-MILL ECO 5** has been carefully thought out and can be precisely adapted to suit every user's need. Operation, cleaning and opening-up for maintenance work are extremely easy. Cleaning is carried out with the minimum of solvent/detergent, product loss is minimal and switching to a different product very easy.

Scaling-up to production

The geometry of the grinding system corresponds to that of the production mills, with the result that the dispersion and grinding results obtained are highly reproducible on the larger **DYNO®-MILL** type **KD** mills.

An overview of the DYNO®-MILL ECO 5

TYPE	GRINDING CHAMBER VOLUME l	CAPACITY RANGE l/h	MILL DRIVE kW	COOLING WATER CONSUMPTION l/h	WEIGHT kg	DIMENSIONS L/W/H mm
ECO 5	**5**	**20–200**	**10**	**800–1000**	**250–300**	**1001×797×654**

Changes in design reserved. The performance data quoted is intended solely as a guide and is dependent on the product to be processed.