



# Planning | Constructing | Building

## BEAR Mills & Tanks GmbH

### BEAR Ball Mills BMV Series

**Description:**

The BMV range of mills are ball mills designed as well for the medium and fine milling as also for the homogenizing of liquid products. The mills have a relatively high shaft speed and a product flow from bottom to top. Due to the large milling tank diameter the stirring elements reach a high circumferential speed.

**Construction:**

The BMV ball mill series is a more simple version than the Marilyn range. It consists of a rigid steel frame on which the milling tank is mounted with a tilting mechanism. That makes it possible to tilt the milling tank out of the frame for maintenance work. The BMV ball mills are equipped with a quick discharge for the steel balls. This enables a comfortable and easy removing of the steel balls during maintenance works. The milling tank is jacketed for cooling and heating purposes. For added cooling capacity the shaft can be delivered as water cooled. By optimizing the milling tank size and the length of the stirring arms combined with high graded materials the wear has been reduced significant.

**Characteristics:**

Thanks to the product flow from the bottom to the top the output fineness and overall throughput can easily be adjusted with the feeding pump. The high shaft speed makes the mill suitable as well for the medium fine milling and fine milling.

**Process controlling:**

The product temperature, shaft speed and feeding pump are continuously monitored and displayed on the control panel. A product flow sensor in the outlet assures that the mill can only operate by product flow.

**Including::**

- Ball mill
- Feeding pump
- Product buffer
- Magnet inlay
- Control panel

**Specifications:**

	BMV 55
Capacity: [kg/h]	up to 2.000
Main drive: [kW]	55
Shaft speed: [rpm]	184
Volume, milling tank: [l]	450
Dimensions: [m]	1,7 x 1,2 x 3,3

