

Flaking roller mill with Steamer

BCFA, MBDA



Flaking roller mill with Steamer

Fine food-grade flakes of consistent quality

Application

The BCFA flaking roller mill with its associated MBDA steamer constitute the heart of a flaking line. In the upstream steamer, the product to be flaked undergoes hydro-thermal treatment before being fed to the flaking roller mill. The newly developed flaking line has been designed for processing whole and cut oat groats, corn (maize), wheat, barley, buckwheat, millet and rice.

Mode of operation

The product to be flaked is fed from the feed hopper into the steaming zone located in the upper section of the steamer. A special steam distribution system directs saturated steam to several points in the product and distributes it uniformly. The following retention zone serves for equalizing the temperature and moisture in the individual grains. The roll feeder feeds the product uniformly across the entire length of the roller mill rolls. Thanks to the precise roll settings and the high roll pressure, a uniform flake quality is achieved.

Advantages of the flaking roller mill

- High flaking capacity up to 6 t/h
- Consistently high roll pressure
- Constant flake quality
- Components stainless steel
- High level of automation
- Easy-to-use local control system
- Smooth and low-vibration operation
- Easy, minimum maintenance

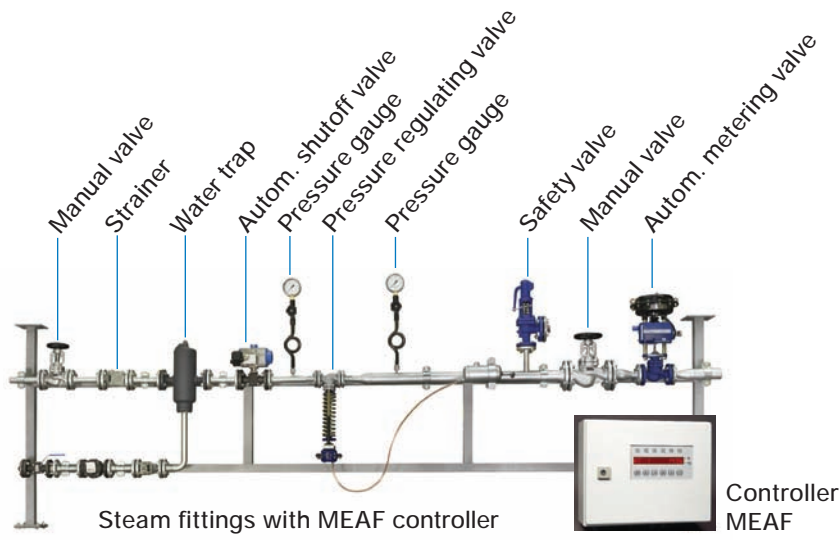
Advantages of the steamer

- Uniform exposure of product to steam
- No moving parts inside the steamer
- Minimum maintenance
- Factory-insulated
- Completely of stainless steel



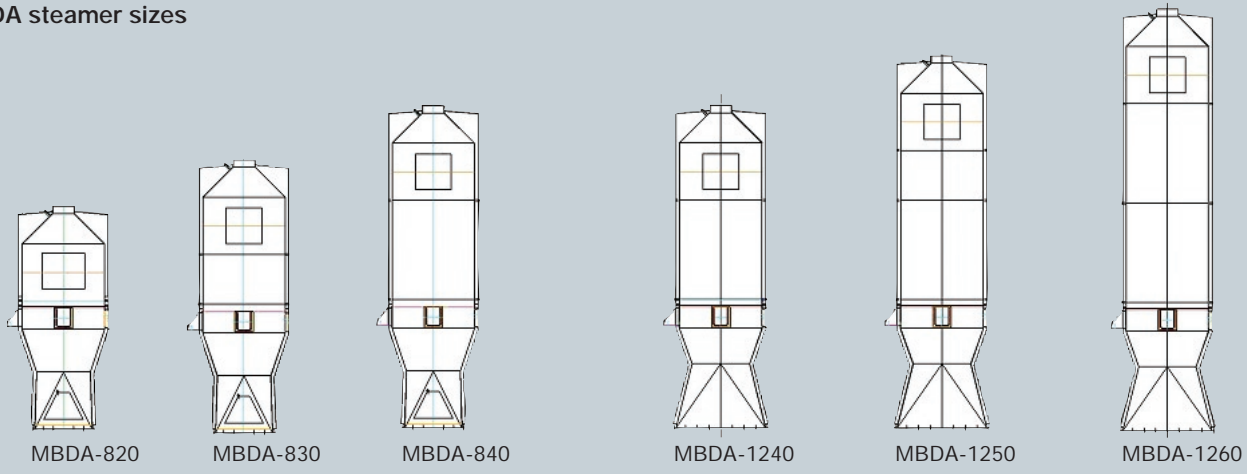


Wheat flakes Barley flakes Oat flakes Millet flakes Soy flakes Quick cooking flakes



- Consistent product quality
- High flaking capacity
- High level of automation
- Easy to operate
- Minimum maintenance

MBDA steamer sizes



Technical data, dimensions

Steamer				Flaking roller mill				
MBDA	Height mm	Ø Outside mm	Capacity m ³	BCFA	Roll mm Ø/length	L/W/H** mm	Throughput* t/h	max. steam consump.kg/h
820	3130	1259	1.4	508	500/800	2330/1750/2130	bis 1.0	130
820	3130	1259	1.4	608	600/800	2330/1750/2130	bis 2.0	130
830	3830	1259	2.13	608	600/800	2330/1750/2130	3.0	190
840	4530	1259	2.86	608	600/800	2330/1750/2130	4.0	260
1240	4532	1259	2.86	612	600/1250	2780/1750/2130	4.0	260
1250	5232	1259	3.58	612	600/1250	2780/1750/2130	5.0	320
1260	5932	1259	4.31	612	600/1250	2780/1750/2130	6.0	380

** Height with feeder
 * Approx. throughputs for large oat flakes > 1.0 mm based on oats with bulk density 0.7t/m³ and retention time 30 min.
 Final throughput data only upon consultation with Buhler Uzwil/MU61.

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