

POCKET FEEDER TYPE POC



The hammer mill is a critical component of most feed manufacturing operations. Its performance and reliability can be optimised only if it receives a steady, consistent, uniform supply of material across the full intake area of the hammer mill.

It also requires an auto control drive system that can automatically adjust speed of the feeder for quick and accurate feed rate control, according to the optimal hammer mill performance.

The most common hammer mill feeding devices include:

- Screw feeders
- Rotary feeders, including conventional multiple vane pocket rotary feeders.

This grinding feeder system provides smooth, consistent discharge.

The Pocket Feeder design

In the pocket type design, the rotary cylinder consists of material receptacles that are divided and staggered across the width of the feeder, creating a larger number of pockets. This provides many discharge points during the rotation of the feeder, which results in a more even feed rate and distribution of material across the full width of the mill intake, also preventing deliverance of material in slugs.

Another improvement in the pocket feeder design relates to the shape of the rotary feeder's material receptacle.

A round-bottom cup with no corners or sharp angles provides more effective discharge for a wide range of raw materials.

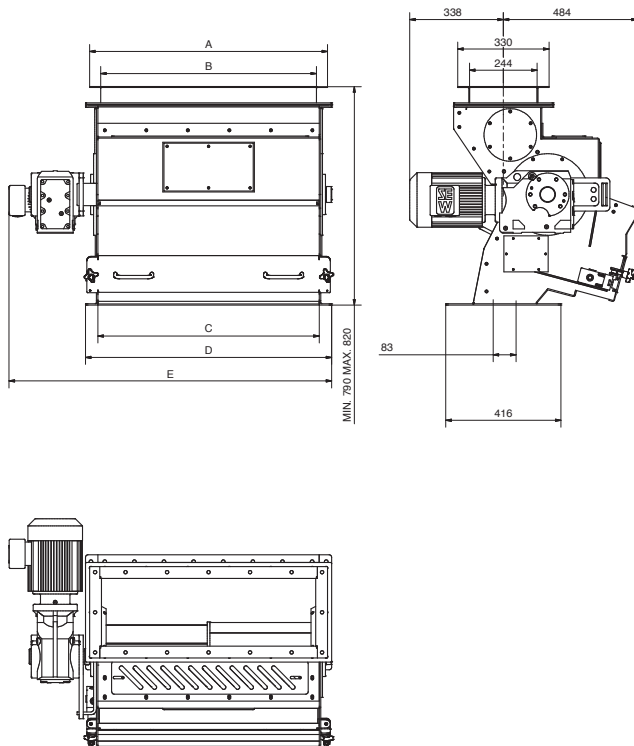
The rotary feeder should be 'chock-fed' – that is, kept full of material during operation, in order to ensure, that it supplies material to the full width or near full width of the grinding chamber.

Automatic control system

The pocket feeder should be installed with a variable speed drive. This drive communicates the load or amperage of the hammer mill main drive motor to the feeder motor to adjust the feeder speed. This ensures that the feeder does not supply the mill more material than the hammer mill main drive motor can tolerate. With the capability of constant adjustment through the feeder's variable speed drive, it is possible to avoid overloading of the mill.

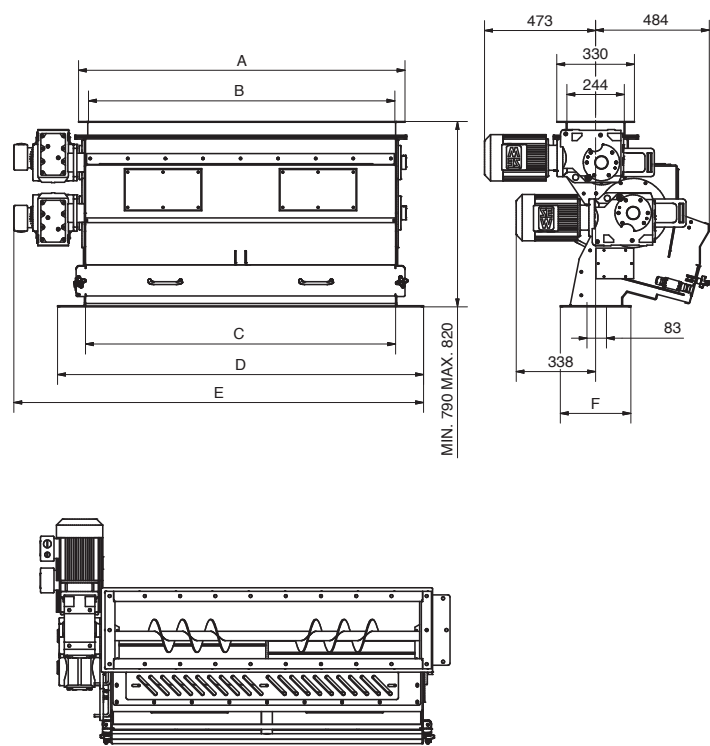
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Type POC 701, 901 - 1001



POC	A	B	C	D	E
Type	mm	mm	mm	mm	mm
701	660	574	600	690	966
901	860	774	800	890	1166
1001	960	904	900	990	1266

Type POC 1201 - 1401 with inlet screw distributor



POC	A	B	C	D	E	F
Type	mm	mm	mm	mm	mm	mm
1201	1190	1104	1120	1210	1476	300
1401	1390	1304	1320	1558	1744	300

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