

Discharge hopper MFAK



Application

MFAK discharge hoppers installed underneath storage bins enable en-masse flow to be achieved with free-flowing products such as grain or coarse semolina, i.e. an uniform rate of discharge of the product across the entire bin cross-section. This ensures segregation-free discharge and identical retention times in holding bins.

Design

The discharge hopper consists of two cones, one of which is placed in the other and which merge to form a joint vertical outlet section. This design ensures that the product flow above the annular cross-section and through the inner hopper is automatically regulated. Sight glasses allow checking of the material flowing through the outer and inner hoppers.

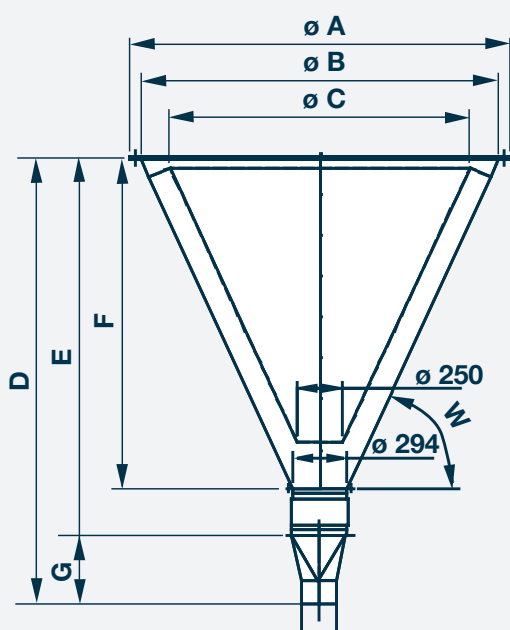
Operating principle

The MFAK discharge hopper extracts product at a consistent rate across an annular cross-section, resulting in en-masse flow. The discharge hopper is supplied as a complete assembly and is attached to a single-hopper storage bin. This eliminates the need for expensive bin constructions, and the installation requirements are minimal.

Benefits

- Uniform rate of discharge of the product across the entire bin cross-section
- First-in, first-out in holding bins
- Minimum installation requirement
- Segregation-free discharge of free-flowing products from storage bins

Segregation-free discharge of free-flowing products from storage bins.



Spouting ø	G
300	222
250	273
200	277
150	297
120	327

Technical data

	W [mm]	ø A [mm]	ø B [mm]	ø C [mm]	D* [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Approx. weights [kg]		
										net	gross	sea pack.
70	55°	820	700	506	831	554	300	see table above		59	112	138
70	65°	820	700	506	976	699	445			66	122	148
100	55°	1090	970	776	1024	774	493			89	167	213
100	65°	1090	970	776	1266	989	735			106	192	238
130	55°	1390	1270	1076	1238	961	707			127	243	299
130	65°	1390	1270	1076	1588	1311	1057			158	288	354
160	55°	1690	1570	1376	1452	1175	921			192	348	429
160	65°	1690	1570	1376	1909	1632	1378			240	428	519
200	55°	2090	1970	1776	1778	1431	1207			287	514	625
200	65°	2090	1970	1776	2338	2061	1807			340	609	745

* Applies to outlet ø H = 200, for other ø H, please see chart. (D 0 G + E)

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