



Indoor silos FS

Fluidised bed discharge



Basic technical information

Silo size:	see table
Storage capacity:	see table
Silo casing material:	aluminium or stainless steel
Storage content:	Rye-, wheat-, or starch flour
Discharge type:	fluidised bed discharge
Discharge capacity:	1 - 8 to/h
Silo filter type:	area filter, jet filter or external filter
Industrial version:	climbing ladder and roof guard rails
Standard accessories:	rotary paddle full level indication
Options:	empty level indication, silo weighing device, constructional explosion protection

Intended use

Indoor silo for installation in storage rooms which are officially approved. Storage, fluidising and discharge of wheat flour and rye flour as well as starch flour.

General function

The flour is supplied to the silo by a filling pipeline. The conveying air is separated through the silo filter. The flour which is stored in the silo, is intensively aerated by the air ventilation system on the fluidised bed during the extraction. This prevents formation of sediment cones of flour in the silo edges and flour 'bridges' and the flour is enriched with oxygen. When the flour is extracted from the silo, the fluidised flour flows to the deepest point on the silo bottom, the outlet chute. From there the flour is transported further by a blow-through rotary valve, a flow-trough rotary valve or a conveying screw.

The silo cell design

Silo casing material: Parts in contact with the product are made of food proof materials with reinforcements, inspection glasses and man-hole access made of Plexiglas.

Fluidised bed discharges: Single or double discharge. The fluidised bed construction, the base of silo and silo feet (construction parts) are made of galvanised sheet steel.

Silo cover: Consists of a metal cover with reinforcements and an area filter, jet filter or external filter for the air separation.



Types

SMALL INDOOR SILOS - FLUIDISED BED DISCHARGE

Type	base dimension	silos height	m ³	capacity
FS1010	1000x1000	2250-5900	1.0	up to 2.54 m ³
FS1015	1000x1500	2250-5900	1.6	up to 3.5 m ³
FS1020	1000x2000	2250-5900	2.2	up to 4.7 m ³
FS1025	1000x2500	2250-5900	2.8	up to 11.0 m ³
FS1030	1000x3000	2250-5900	3.4	up to 13.1 m ³
FS1515	1500x1500	2250-5900	1.4	up to 9.9 m ³
FS1520	1500x2000	2250-5900	3.4	up to 13.4 m ³
FS1525	1500x2500	2250-5900	4.3	up to 16.8 m ³

You will find a complete list of all available silo types and silo sizes under www.hb-technik.at

More silo sizes are available upon request.



FS2025 INDOOR SILO - FLUIDISED BED DISCHARGE BASE DIMENSIONS: 2,000 X 2,500 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to floor
FS202523	2,254	2,404	5.83	3.20
FS202524	2,384	2,534	6.43	3.54
FS202525	2,504	2,654	6.99	3.84
FS202527	2,634	2,784	7.59	4.18
FS202528	2,806	2,956	8.39	4.62
FS202529	2,884	3,034	8.75	4.81
FS202531	3,056	3,206	9.55	5.25
FS202532	3,134	3,284	9.92	5.45
FS202533	3,306	3,456	10.71	5.89
FS202534	3,384	3,534	11.08	6.09
FS202536	3,556	3,706	11.88	6.53
FS202537	3,676	3,826	12.43	6.84
FS202538	3,728	3,878	12.68	6.97
FS202539	3,806	3,956	13.04	7.17
FS202541	4,056	4,206	14.20	7.81
FS202543	4,228	4,378	15.00	8.25
FS202545	4,478	4,628	16.16	8.89
FS202548	4,728	4,878	17.32	9.53
FS202550	4,978	5,128	18.48	10.17
FS202555	5,478	5,628	20.81	11.44
FS202559	5,900	6,050	22.77	12.52
FS202564	6,400	6,550	25.09	13.80
FS202569	6,900	7,050	27.41	15.08
FS202574	7,400	7,550	29.74	16.36

FS2020 INDOOR SILO - FLUIDISED BED DISCHARGE BASE DIMENSIONS: 2,000 X 2,000 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to floor
FS202023	2,254	2,404	4.62	2.54
FS202024	2,384	2,534	5.10	2.81
FS202025	2,504	2,654	5.54	3.05
FS202027	2,634	2,784	6.02	3.31
FS202028	2,806	2,956	6.66	3.66
FS202029	2,884	3,034	6.95	3.82
FS202031	3,056	3,206	7.58	4.17
FS202032	3,134	3,284	7.87	4.33
FS202033	3,306	3,456	8.50	4.68
FS202034	3,384	3,534	8.79	4.83
FS202036	3,556	3,706	9.42	5.18
FS202037	3,676	3,826	9.86	5.43
FS202038	3,728	3,878	10.06	5.53
FS202039	3,806	3,956	10.34	5.69
FS202041	4,056	4,206	11.27	6.20
FS202043	4,228	4,378	11.90	6.54
FS202045	4,478	4,628	12.82	7.05
FS202048	4,728	4,878	13.74	7.56
FS202050	4,978	5,128	14.66	8.07
FS202055	5,478	5,628	16.51	9.08
FS202059	5,900	6,050	18.06	9.93
FS202064	6,400	6,550	19.91	10.95
FS202069	6,900	7,050	21.75	11.96
FS202074	7,400	7,550	23.59	12.98

FS2030 INDOOR SILO - FLUIDISED BED DISCHARGE BASE DIMENSIONS: 2,000 X 3,000 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to floor
FS203023	2,254	2,404	7.03	3.87
FS203024	2,384	2,534	7.76	4.27
FS203025	2,504	2,654	8.43	4.64
FS203027	2,634	2,784	9.16	5.04
FS203028	2,806	2,956	10.13	5.57
FS203029	2,884	3,034	10.56	5.81
FS203031	3,056	3,206	11.53	6.34
FS203032	3,134	3,284	11.96	6.58
FS203033	3,306	3,456	12.93	7.11
FS203034	3,384	3,534	13.37	7.35
FS203036	3,556	3,706	14.33	7.88
FS203037	3,676	3,826	15.00	8.25
FS203038	3,728	3,878	15.29	8.41
FS203039	3,806	3,956	15.73	8.65
FS203040	4,056	4,206	17.13	9.42
FS203043	4,228	4,378	18.10	9.95
FS203045	4,478	4,628	19.50	10.72
FS203048	4,728	4,878	20.90	11.50
FS203050	4,978	5,128	22.30	12.27
FS203055	5,478	5,628	25.11	13.81
FS203059	5,900	6,050	27.47	15.11
FS203064	6,400	6,550	30.27	16.65
FS203069	6,900	7,050	33.08	18.19
FS203074	7,400	7,550	35.88	19.73



Types

FS2525 INDOOR SILO - FLUIDISED BED DISCHARGE
BASE DIMENSIONS: 2,500 X 2,500 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to flour
FS252523	2,254	2,404	7.34	4.04
FS252524	2,384	2,534	8.11	4.46
FS252525	2,504	2,654	8.81	4.84
FS252527	2,634	2,784	9.57	5.26
FS252528	2,806	2,956	10.58	5.82
FS252529	2,884	3,034	11.03	6.07
FS252531	3,056	3,206	12.04	6.62
FS252532	3,134	3,284	12.50	6.87
FS252533	3,306	3,456	13.50	7.43
FS252534	3,384	3,534	13.96	7.68
FS252536	3,556	3,706	14.97	8.23
FS252537	3,676	3,826	15.67	8.62
FS252538	3,728	3,878	15.98	8.79
FS252539	3,806	3,956	16.43	9.04
FS252540	4,056	4,206	17.90	9.84
FS252543	4,228	4,378	18.90	10.40
FS252545	4,478	4,628	20.37	11.20
FS252548	4,728	4,878	21.83	12.01
FS252550	4,978	5,128	23.30	12.81
FS252555	5,478	5,628	26.22	14.42
FS252559	5,900	6,050	28.70	15.78
FS252564	6,400	6,550	31.62	17.39
FS252569	6,900	7,050	34.55	19.00
FS252574	7,400	7,550	37.48	20.61

FS3015 INDOOR SILO - FLUIDISED BED DISCHARGE
BASE DIMENSIONS: 3,000 X 1,500 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to flour
FS301523	2,254	2,404	5.20	2.86
FS301524	2,384	2,534	5.74	3.16
FS301525	2,504	2,654	6.24	3.43
FS301527	2,634	2,784	6.78	3.73
FS301528	2,806	2,956	7.49	4.12
FS301529	2,884	3,034	7.81	4.30
FS301531	3,056	3,206	8.52	4.69
FS301532	3,134	3,284	8.85	4.87
FS301533	3,306	3,456	9.56	5.26
FS301534	3,384	3,534	9.89	5.44
FS301536	3,556	3,706	10.60	5.83
FS301537	3,676	3,826	11.10	6.10
FS301538	3,728	3,878	11.31	6.22
FS301539	3,806	3,956	11.63	6.40
FS301540	4,056	4,206	12.67	6.97
FS301543	4,228	4,378	13.38	7.36
FS301545	4,478	4,628	14.42	7.93
FS301548	4,728	4,878	15.46	8.50
FS301550	4,978	5,128	16.49	9.07
FS301555	5,478	5,628	18.57	10.21
FS301559	5,900	6,050	20.32	11.17
FS301564	6,400	6,550	22.39	12.31
FS301569	6,900	7,050	24.46	13.46
FS301574	7,400	7,550	26.54	14.60

Types

FS2530 INDOOR SILO - FLUIDISED BED DISCHARGE
BASE DIMENSIONS: 2,500 X 3,000 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to flour
FS253023	2,254	2,404	8.86	4.87
FS253024	2,384	2,534	9.78	5.38
FS253025	2,504	2,654	10.63	5.85
FS253027	2,634	2,784	11.55	6.35
FS253028	2,806	2,956	12.76	7.02
FS253029	2,884	3,034	13.31	7.32
FS253031	3,056	3,206	14.53	7.99
FS253032	3,134	3,284	15.08	8.29
FS253033	3,306	3,456	16.30	8.96
FS253034	3,384	3,534	16.85	9.27
FS253036	3,556	3,706	18.06	9.93
FS253037	3,676	3,826	18.91	10.40
FS253038	3,728	3,878	19.28	10.60
FS253039	3,806	3,956	19.83	10.91
FS253040	4,056	4,206	21.59	11.88
FS253043	4,228	4,378	22.81	12.55
FS253045	4,478	4,628	24.58	13.52
FS253048	4,728	4,878	26.34	14.49
FS253050	4,978	5,128	28.11	15.46
FS253055	5,478	5,628	31.64	17.40
FS253059	5,900	6,050	34.63	19.04
FS253064	6,400	6,550	38.16	20.99
FS253069	6,900	7,050	41.69	22.93
FS253074	7,400	7,550	45.22	24.87

FS3030 INDOOR SILO - FLUIDISED BED DISCHARGE
BASE DIMENSIONS: 3,000 X 3,000 MM

Art.-Nr.	Silo height	Room height	m ³	approx. to flour
FS303023	2,254	2,404	10.69	5.88
FS303024	2,384	2,534	11.80	6.49
FS303025	2,504	2,654	12.82	7.05
FS303027	2,634	2,784	13.93	7.66
FS303028	2,806	2,956	15.40	8.47
FS303029	2,884	3,034	16.06	8.84
FS303031	3,056	3,206	17.53	9.64
FS303032	3,134	3,284	18.20	10.01
FS303033	3,306	3,456	19.66	10.81
FS303034	3,384	3,534	20.33	11.18
FS303036	3,556	3,706	21.79	11.99
FS303037	3,676	3,826	22.82	12.55
FS303038	3,728	3,878	23.26	12.79
FS303039	3,806	3,956	23.93	13.16
FS303040	4,056	4,206	26.06	14.33
FS303043	4,228	4,378	27.52	15.14
FS303045	4,478	4,628	29.65	16.31
FS303048	4,728	4,878	31.79	17.48
FS303050	4,978	5,128	33.92	18.65
FS303055	5,478	5,628	38.18	21.00
FS303059	5,900	6,050	41.78	22.98
FS303064	6,400	6,550	46.04	25.32
FS303069	6,900	7,050	50.31	27.67
FS303074	7,400	7,550	54.57	30.01

Technical changes reserved

