

1 STORAGE

Membrane silos ISM (with vibrating bottom)



Basic technical information

Width of the silo front:	see table
Silo depth:	see table
Silo height:	see table
Room height:	see table
Flour storage capacity:	05 – 50,0 tonnes
Silo volume:	1 - 80 m ³
Silo casing material:	aluminium, stainless steel or aluminised steel plate
Storage commodity:	powdery, coarsely ground, crystalline or grainy products
Discharge type:	vibration discharge
Vibromotor:	0,2 – 1,0 kW ISM2020), 017 or 03 KW (ISM2525), 017, 03 or 05 KW (ISM3030)
Discharge capacity:	1, 2, 4 or 8 to/h
Silo cover:	layer filter, attachment vibrating filter or Jet filter
Standard accessories:	turning wing full signal 220 Volt
Empty signal:	inclusive or exclusive

Intended use

Indoor silos for installation in storage rooms approved by the trade licensing authorities. Storage and discharge of powdery, crystalline, coarsely ground and grainy products like salt, sugar, bakery improvers, shreds and grains.

General function

Silo filling

The storage commodity is supplied to the silo by a filling pipeline. The conveyor air is carried in through the silo filter. Storage silo with discharge facility through vibrating plate and unloading installation.

Silo discharge:

The vibrating bottom fixed on the crossover with well-dimensioned suspensions is brought into vibration by the vibromotor. Thereby the bulk good flows uniformly through a special unloading installation to the outlet. The further conveyance of the storage good can be done pneumatically through blow-through sluices, through-feed sluices, conveyor belts or weighing conveyor belts.

The silo cell construction

Silo casing material:

Parts in contact with the product are made of food safe materials with reinforcements, inspection glasses and access made of Plexiglas.

Discharge type:

Vibrating discharge with vibrating motor.
All discharge elements are cushioned against vibrations.

Silo cover:

Consists of a plate covering with reinforcements and an external, attached vibrating or jet filter for the air passage.



Symbol pictures – technical modifications reserved!



1 STORAGE

Membrane silos ISM (vibrating discharge)

Type ISM1515 indoor silo

Front side: 1.500 mm Depth: 1.500 mm

Order No.	Silo height	Room height	m ³	Approx. to
ISM151528	2.134	2.234	4,2	2,3
ISM151529	2.254	2.354	4,4	2,4
ISM151531	2.384	2.484	4,7	2,6
ISM151532	2.504	2.604	4,9	2,7
ISM151533	2.634	2.734	5,2	2,9
ISM151535	2.806	2.906	5,5	3,0
ISM151536	2.884	2.984	5,7	3,1
ISM151537	3.056	3.156	6,0	3,3
ISM151538	3.134	3.234	6,2	3,4
ISM151540	3.306	3.406	6,5	3,6
ISM151541	3.384	3.484	6,7	3,7
ISM151542	3.556	3.656	7,0	3,9
ISM151543	3.676	3.776	7,3	4,0
ISM151544	3.728	3.828	7,4	4,1
ISM151545	3.806	3.906	7,5	4,1
ISM151547	4.056	4.156	8,0	4,4
ISM151549	4.228	4.328	8,4	4,6
ISM151552	4.478	4.578	8,9	4,9
ISM151554	4.728	4.828	9,4	5,2
ISM151557	4.978	5.078	9,9	5,4
ISM151562	5.478	5.578	10,9	6,0
ISM151566	5.900	6.000	11,7	6,4

Type ISM2020 indoor silo

Front side: 2.000 mm Depth: 2.000 mm

Order No.	Silo height	Room height	m ³	Approx. to
ISM202028	2.134	2.234	7,7	4,2
ISM202029	2.254	2.354	8,1	4,5
ISM202031	2.384	2.484	8,6	4,7
ISM202032	2.504	2.604	9,0	5,0
ISM202033	2.634	2.734	9,5	5,2
ISM202035	2.806	2.906	10,1	5,6
ISM202036	2.884	2.984	10,4	5,7
ISM202037	3.056	3.156	11,0	6,1
ISM202038	3.134	3.234	11,3	6,2
ISM202040	3.306	3.406	12,0	6,6
ISM202041	3.384	3.484	12,3	6,8
ISM202042	3.556	3.656	12,9	7,1
ISM202043	3.676	3.776	13,3	7,3
ISM202044	3.728	3.828	13,5	7,4
ISM202045	3.806	3.906	13,8	7,6
ISM202047	4.056	4.156	14,7	8,1
ISM202049	4.228	4.328	15,3	8,4
ISM202052	4.478	4.578	16,3	9,0
ISM202054	4.728	4.828	17,2	9,5
ISM202057	4.978	5.078	18,1	10,0
ISM202062	5.478	5.578	19,9	10,9
ISM202066	5.900	6.000	21,5	11,8

Type ISM2525 indoor silo

Front side: 2.500 mm Depth: 2.500 mm

Order No.	Silo height	Room height	m ³	Approx. to
ISM252528	2.134	2.234	12,2	6,7
ISM252529	2.254	2.354	12,9	7,1
ISM252531	2.384	2.484	13,7	7,5
ISM252532	2.504	2.604	14,4	7,9
ISM252533	2.634	2.734	15,1	8,3
ISM252535	2.806	2.906	16,1	8,9
ISM252536	2.884	2.984	16,6	9,1
ISM252537	3.056	3.156	17,6	9,7
ISM252538	3.134	3.234	18,0	9,9
ISM252540	3.306	3.406	19,0	10,5
ISM252541	3.384	3.484	19,5	10,7
ISM252542	3.556	3.656	20,5	11,3
ISM252543	3.676	3.776	21,2	11,7
ISM252544	3.728	3.828	21,5	11,8
ISM252545	3.806	3.906	21,9	12,0
ISM252547	4.056	4.156	23,4	12,9
ISM252549	4.228	4.328	24,4	13,4
ISM252552	4.478	4.578	25,9	14,2
ISM252554	4.728	4.828	27,3	15,0
ISM252557	4.978	5.078	28,8	15,8
ISM252562	5.478	5.578	31,7	17,4
ISM252566	5.900	6.000	34,1	18,8

Type ISM3030 indoor silo

Front side: 3.000 mm Depth: 3.000 mm

Order No.	Silo height	Room height	m ³	Approx. to
ISM303028	2.134	2.234	17,8	9,8
ISM303029	2.254	2.354	18,8	10,3
ISM303031	2.384	2.484	19,9	10,9
ISM303032	2.504	2.604	20,9	11,5
ISM303033	2.634	2.734	22,0	12,1
ISM303035	2.806	2.906	23,5	12,9
ISM303036	2.884	2.984	24,1	13,3
ISM303037	3.056	3.156	25,6	14,1
ISM303038	3.134	3.234	26,3	14,5
ISM303040	3.306	3.406	27,7	15,2
ISM303041	3.384	3.484	28,4	15,6
ISM303042	3.556	3.656	29,9	16,4
ISM303043	3.676	3.776	30,9	17,0
ISM303044	3.728	3.828	31,3	17,2
ISM303045	3.806	3.906	32,0	17,6
ISM303047	4.056	4.156	34,1	18,8
ISM303049	4.228	4.328	35,6	19,6
ISM303052	4.478	4.578	37,7	20,7
ISM303054	4.728	4.828	39,8	21,9
ISM303057	4.978	5.078	41,9	23,0
ISM303062	5.478	5.578	46,2	25,4
ISM303066	5.900	6.000	49,8	27,4

Symbol pictures – technical modifications reserved!