

## In the field of dusty bulk handling, an efficient aspiration system is essential

Choosing a complete filter system for aspiration, provides you with a unique comprising filter, fan, emptying system, piping and suitable ATEX components for explosive atmospheres.

Simatek has long experience and expertise in designing the exact technical solution satisfying the actual customer requirements.

### Benefits

#### Efficiency

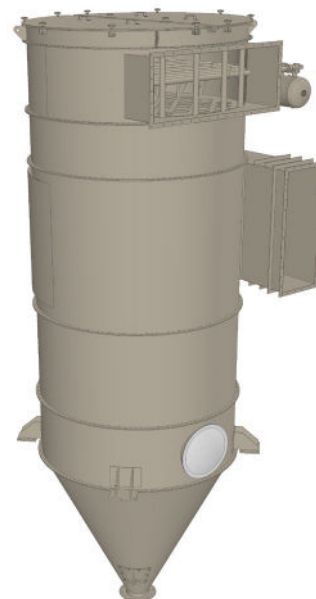
- Buying both filters and key components from Simatek, places the responsibility of the functionality with us as supplier.
- The complete system meets various standards and directives, among others the Machinery and ATEX directives.

#### Safety

- For plants operating with explosive dust, Simatek's central aspiration system ensures a safe working environment.

#### Savings

- Energy efficient conveying system with long lifetime on bags and low emission.



### Features

#### Efficiency

- Excellent capacity in handling bulk dust loads
- Removes dust from the environment
- No recirculation of air
- Low dust emission reduces the potential of dust explosion

### Construction forms

#### Inlets

- 03 + 03 WB\*
- 04
- 05

#### Top

- 4T-R
- 4T1-R
- 4T2-R
- 4T3-R

### Applications

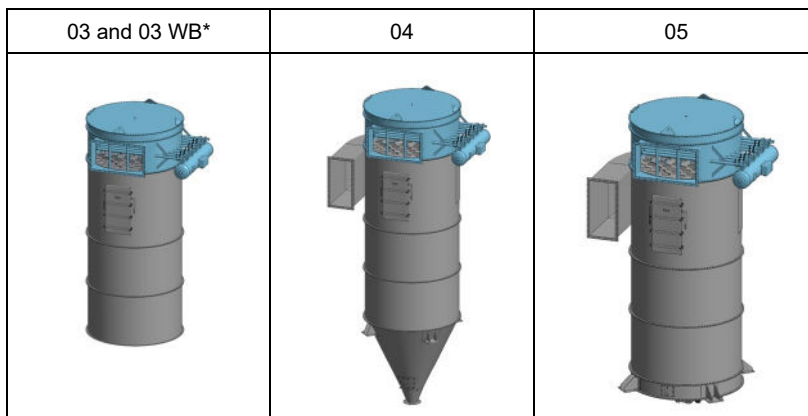
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|---|---|---|--|
| <ul style="list-style-type: none"><li>• Grain and feed industry</li><li>• Chemical industry</li><li>• Cement industry</li><li>• Food industry</li></ul> | <ul style="list-style-type: none"><li>• Brewery</li><li>• Paper industry</li><li>• Plastics industry</li><li>• Metal industry</li></ul> | <ul style="list-style-type: none"><li>• Fish feed industry</li><li>• Pet-food industry</li><li>• Recycling industry</li><li>• Wood industry</li></ul> | <ul style="list-style-type: none"><li>• Mineral industry</li><li>• Fertiliser industry</li></ul> |
|---|---|---|--|

## Selecting filter size

SimPact® 4T-R		Filter area m <sup>2</sup>												
Type JM	7	10	14	21	32	41	52	70	90	124	146	170	198	
Bag length - dm	10	3,1	4,4	6,2	9,2	14,1	18,0	22,9	30,8	39,6	-	-	-	-
	15	4,6	6,6	9,2	13,9	21,1	27,0	34,3	46,2	59,4	81,8	96,4	112,2	130,7
	20	6,2	8,8	12,3	18,5	28,1	36,1	45,7	61,6	79,2	109,1	128,5	149,6	174,2
	25	-	11,0	15,4	23,1	35,2	45,1	57,2	77,0	99,0	136,4	160,6	187,0	217,8
	30	-	13,2	18,5	27,7	42,2	54,1	68,6	92,4	118,8	163,7	192,7	224,4	261,4
	35	-	15,4	21,6	32,3	49,3	63,1	80,0	107,8	138,5	191,0	224,8	261,8	304,9
	40	-	-	-	36,9	56,3	72,1	91,5	123,2	158,3	218,2	257,0	299,2	348,5
	45	-	-	-	41,6	63,3	81,1	102,9	138,5	178,1	245,5	289,1	336,6	392,0
	50	-	-	-	46,2	70,4	90,2	114,4	153,9	197,9	272,8	321,2	374,0	435,6

For larger filter sizes, please contact Simatek's sales department

## Selecting the construction form



Dust load:

<50 g/m <sup>3</sup>	<50 g/m <sup>3</sup>	<50 g/m <sup>3</sup>
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## Selecting the top cover for the clean-air chamber

4T-R	4T1-R	4T2-R	4T3-R
<ul style="list-style-type: none"> <li>• Pressure-shock resistant</li> <li>• Side Removal</li> <li>• Installation of bags through the man door</li> </ul>	<ul style="list-style-type: none"> <li>• Non-pressure shock resistant</li> <li>• Top Removal</li> <li>• Installation of bags from the clean-air side</li> </ul>	<ul style="list-style-type: none"> <li>• Pressure-shock resistant top with hinged cover</li> <li>• Top Removal</li> <li>• Installation of bags from the clean-air side</li> </ul>	<ul style="list-style-type: none"> <li>• Pressure-shock resistant "Walk in plenum" (Penthouse)</li> <li>• Top Removal</li> <li>• Installation of bags from the clean-air side</li> </ul>