

Multifunctional ODM type dust collector



 **Filtrowent**®
The clean **air** factory

Concrete industry
Metal working
Chemical industry
Woodworking
Plastic processing
Food industry



The ODM-K dust collector with cassette filter cartridges

- solid and compact structure,
- big filtering surface in small volume,
- easy installation and maintenance,
- highly efficient filtration,
- availability of non-standard filter fabrics for specific needs

AVAILABLE CASSETTE SIZES

4 rows per cassette
(filtration surface ca. 7 m²/cassette)

6 rows per cassette
(filtration surface ca. 10,5 m²/cassette)

Types of standard filter cassettes / filtering surface/

Filter cassette type	Basis weight	Material	Temperature resistance [°C]	Acid resistance	Alcalic resistance	Hydrolysis resistance
POL/STD	500 g/m ²	polyester (standard)	150	good	very low	none
COATED	550 g/m ²	PTFE coated	150	good	very low	none
POL/AS	500 g/m ²	antistatic polyester	150	good	very low	none
POL/PTFE	550 g/m ²	PTFE membrane	150	limited	low	none
POL/SPA	550 g/m ²	polyester, micro unwoven fabric	150	good	medium	very low

Multifunctional modular ODM type dust collector

The ODM type dust collectors are designed for fume extraction and fine dust filtration – tiny particles that are created during processing of the following materials:

- cement (cement, brick, clay or plaster dusts),
- metal (shot blasting, grinding, welding fumes, plasma or laser cutting),
- chemicals (chalk),
- wood (polishing and cutting),
- plastics (cutting),
- food.



How does ODM type dust collector work?

- | | |
|---|----------------------------|
| 1 Dirty air inlet | 5 Cleaned air outlet |
| 2 Filter cartridge – cassettes (ODM-K) or 'patrons' (ODM-P) | 6 Compressed air collector |
| 3 Hopper | 7 Explosion vents /ATEX/ |
| 4 Clean air collective duct | |



The ODM dust collectors
are also available
in the ATEX compliant version.



The ODM-P dust collector with 'patron' cartridges for fume extraction and dust filtration

Pleated filter cartridges are commonly used in dedusting technology. As a rule the working side is on the outside of the cartridges (this is where dust settles).

Depending on the type of dust, there are different materials the 'Patron' cartridges are produced of: paper or plastic unwoven fabrics, or needled unwoven fabrics. The filter materials are produced according to quality control requirements and are admitted to use as elements which provide filtered air back to the work stands.

Types of available 'patron' filter cartridges

Note: for dust collectors with ATEX compliance, the material of the filter cartridges is additionally coated with antistatic layer.

'Patron' filter cartridge type	Material	Air permeability [m ³ /m ² /h at 200 Pa]	Filtration class
POLYESTER	polyester (standard)	470	M
NANO	polyester, micro unwoven fabric	180	M
COATED	PTFE coated	410	M
PTFE	PTFE membrane	288	M



Basic parameters of ODM dust collectors



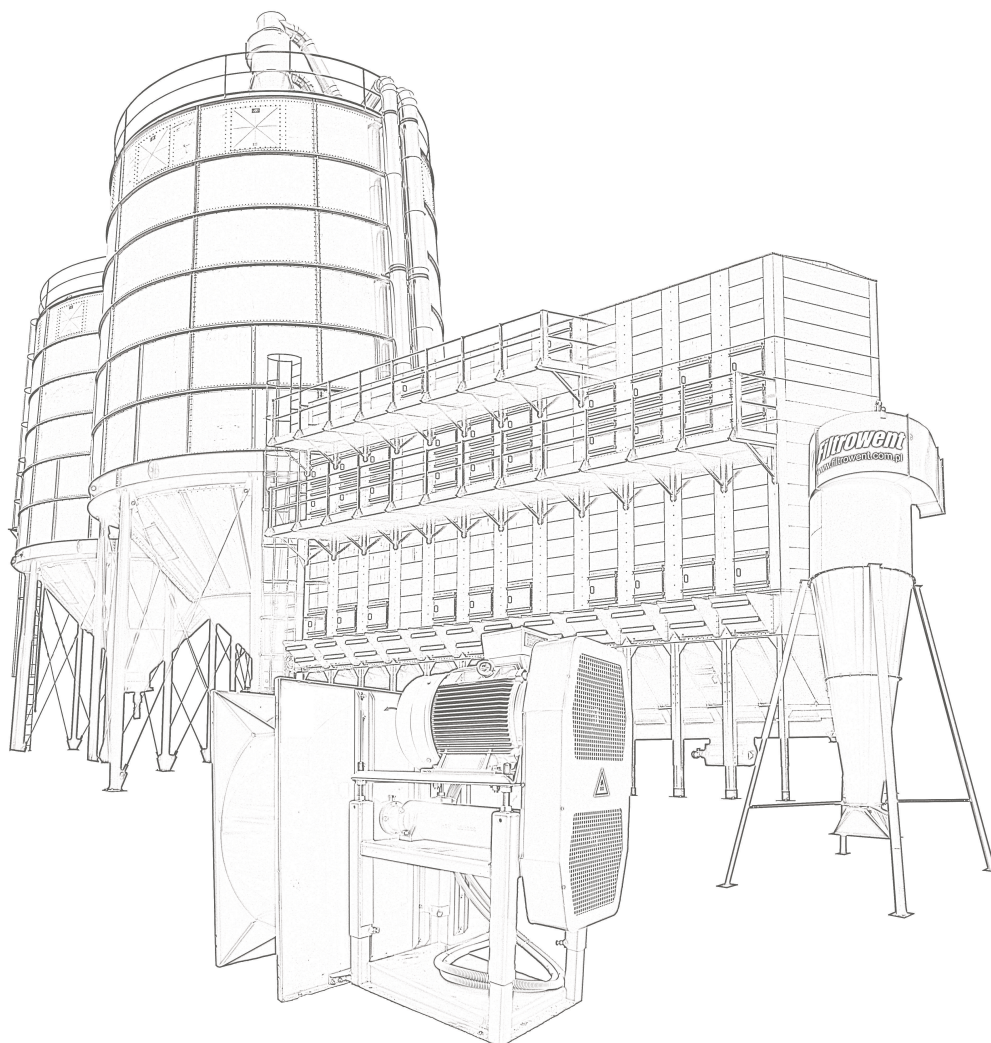
Model/size/ODM-K dust collector type with basic parameters

ODM-K dust collector type	Number of filter cassettes	Filtration surface [m ²]	Max. efficiency of ODM-K dust collector [m ³ /h]
ODM-K25/02/06	2	21	2.520
ODM-K25/04/06	4	42	5.040
ODM-K25/06/06	6	63	7.560
ODM-K25/08/06	8	84	10.080
ODM-K25/10/06	10	105	12.600
ODM-K25/12/06	12	126	15.120
ODM-K25/14/06	14	147	17.640
ODM-K25/16/06	16	168	20.160
ODM-K25/18/06	18	189	22.680
ODM-K25/20/06	20	210	25.200



Model/size/ODM-P dust collector type with basic parameters

ODM-P dust collector type	Filter cartridge height [mm]	Number of cartridges	Filtration surface [m ²]	Max. efficiency of ODM-P dust collector [m ³ /h]
ODM-P200/02	900	8	35,2	3.520
	1200	8	47,2	4.720
	1500	8	58,4	5.840
ODM-P200/04	900	16	70,4	7.040
	1200	16	94,4	9.440
	1500	16	116,8	11.680
ODM-P200/06	900	24	105,6	10.560
	1200	24	141,6	14.160
	1500	24	175,2	17.520
ODM-P200/08	900	32	140,8	14.080
	1200	32	188,8	18.880
	1500	32	233,6	23.360
ODM-P200/10	900	40	176	17.600
	1200	40	236	23.600
	1500	40	292	29.200
ODM-P200/12	900	48	211,2	21.120
	1200	48	283,2	28.320
	1500	48	350,4	35.040
ODM-P200/14	900	56	246,4	24.640
	1200	56	330,4	33.040
	1500	56	408,8	40.880
ODM-P200/16	900	64	281,6	28.160
	1200	64	377,6	37.760
	1500	64	467,2	46.720
ODM-P200/18	900	72	316,8	31.680
	1200	72	424,8	42.480
	1500	72	525,6	52.560
ODM-P200/20	900	80	352	35.200
	1200	80	472	47.200
	1500	80	584	58.400



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