Product leaflet

MEP SmartFilter

MEP SmartFilter er et multifunktions-filtreringssystem. Det kan tilpasses, så det passer perfekt til kundespecifikke krav med en luftstrøm på op til 10.500 m3/time.

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MEP SmartFilter

- Opnå kontrol over filtreringsydelse med "Insight Analytics", Nederman's unikke overvågningsteknologi.
- Optimeret fodaftryk gennem innovativ kuvertdesign med medium luftgennemstrømning.
- Reduceret TCO ved hjælp af intelligent rensesystem. Lang filterlevetid og optimeret fodaftryk.
- Fremtidssikret system, som er IoT forberedt - "Insight Ready".

MEP SmartFilter er et multifunktions-kuvertfiltreringssystem. Det kan tilpasses, så det passer perfekt til kundespecifikke krav. Velegnet til håndtering af forskellige støvtyper og kan anvendes til flere forskellige applikationer som slibning, blæsning og generelt støv. Det modulære design giver mulighed for fritstående løsninger såvel som sammenbygning af filtre til udvidede krav. MEP filteret benytter vores velkendte og velafprøvede stof kuvertfiltre, som let vedligeholdes gennem de fronthængte servicedøre. Kuvertfiltermaterialer for de fleste applikationer forefindes, afhængig af støvtype, støvbelastning og krav til effektivitet. Filteret er kontrueret i 2 mm galvaniseret stålplade, er let at montere, omkostningseffektivt ved forsendelse samt korrosionsbeskyttet. Filteret har lang levetid, hvilket betyder "low cost of ownership". Styring, som er IoT forberedt, med avanceret rensesystem giver optimal systemdrift inklusiv overvågning og kontrol af filteranlægget. Gateway-funktionalitet til "Cloud" kommunikation. MEP SmartFilter har et stort tilbehørsprogram såsom ventilatorer, indløb, affaldsspande, spjæld osv. Kuvertfiltrene fås i forskellige materialer afhængig af applikationen.

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MEP SmartFilter

Cerifikat	CE
Trykluftsforbrug	58 liter per rensepuls ved 5,5 bar trykluft
Installation	Indendørs, Udendørs
Materiale	2 mm galvaniseret plade
Egnet til explosivt støv	False
Metode for filterrensning	Puls Jet
Applikation	Røg, Støv
Arbejdstryk (kPa)	Vakuum max. 6kPA. Overtryk max. 0 PA. (1,5 kPa for silotop version)
Volumen affaldsbeholder (l)	50 eller 100 liter affaldsspand
Driftstemperatur	-20°C til +60°C

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Modeller

	Art. Nr.	Type af filter	Antal filter
	MEP-4-4[1]	Kassettefilter	4
	MEP-6-4	Kassettefilter	6
	MEP-8-4	Kassettefilter	8
	MEP-2-6	Kassettefilter	2
	MEP-4-6	Kassettefilter	4
	MEP-6-6	Kassettefilter	6
	MEP-8-6	Kassettefilter	8
	MEP-2-4	Filterpose, Kassettefilter	2

[1] Konfigurerbart produkt

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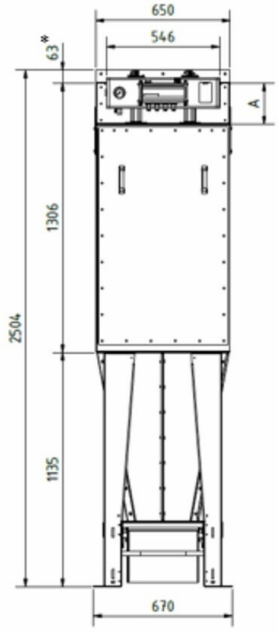
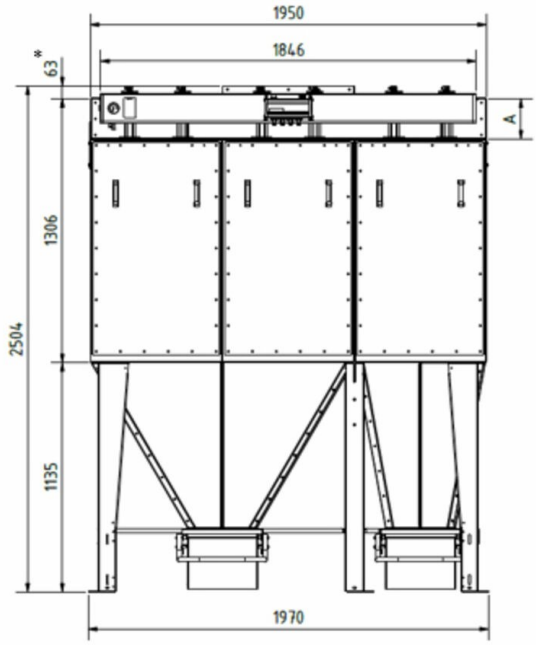
MEP-2-4 / MEP-2-4-Ex
MEP-2-6 / MEP-2-6-Ex



All dimensions in mm. If 50 liter bin with wheels 90 mm must be added to the height. * to be included only if a top mounted FM fan is used (transition for fan).

MEP-6-4 / MEP-6-4-Ex
MEP-6-6 / MEP-6-6-Ex



All dimensions in mm. If 50 liter bin with wheels 90 mm must be added to the height. * to be included only if a top mounted FM fan is used (transition for fan).

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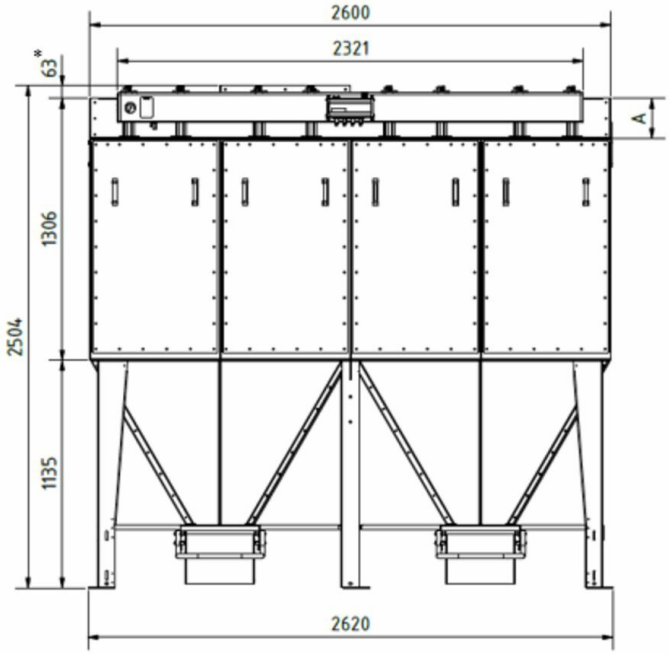
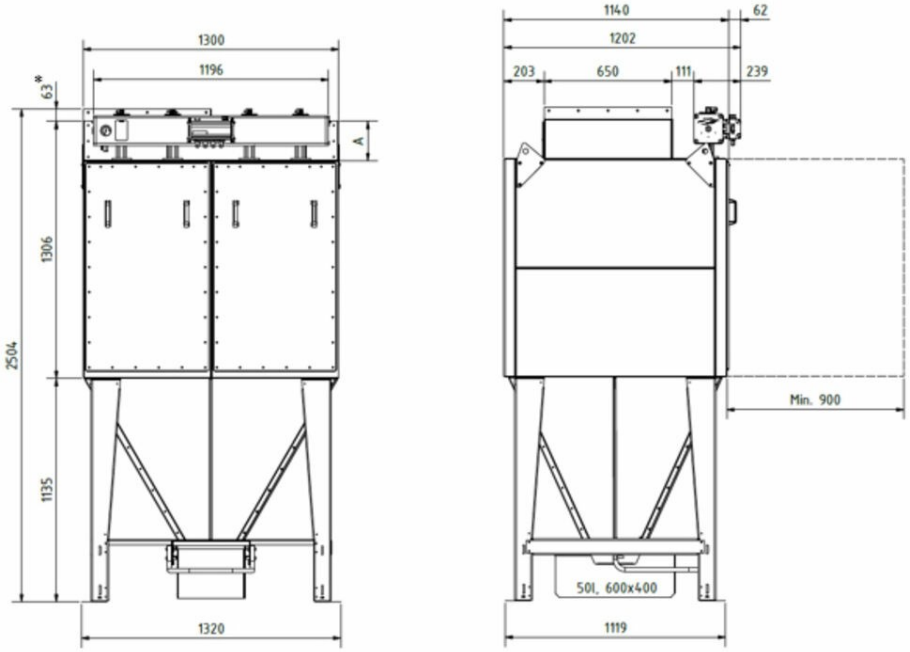
MEP-8-4 / MEP-8-4-Ex
MEP-8-6 / MEP-8-6-Ex



All dimensions in mm. If 50 liter bin with wheels 90 mm must be added to the height. * to be included only if a top mounted FM fan is used (transition for fan).

MEP-4-4 / MEP-4-4-Ex
MEP-4-6 / MEP-4-6-Ex



All dimensions in mm. If 50 liter bin with wheels 90 mm must be added to the height. * to be included only if a top mounted FM fan is used (transition for fan).

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Envelope material

- NF100 – Polyester needlefelt, singed, 500 g/m²
- NF130 – Polyester needlefelt, glazed, 500 g/m²
- NF141 – Polyester needlefelt, glazed, 400 g/m², antistatic
- NF142 – Polyester needlefelt, glazed, 500 g/m², antistatic
- NF143 – Polyester needlefelt, PTFE coating, 550 g/m², antistatic
- NF180 – Polyester needlefelt, glazed, 550 g/m²
- NF181 – Polyester needlefelt, PTFE coating, 550 g/m²

MCP Envelope material

Filter area

Filter type	Quantity of envelopes	Filter area (m²)	Max. airflow (m³/h)*
MEP-2-4 MEP-2-4-Ex	2	15	1800
MEP-4-4 MEP-4-4-Ex	4	29	3400
MEP-6-4 MEP-6-4-Ex	6	44	5200
MEP-8-4 MEP-8-4-Ex	8	58	7000
MEP-2-6 MEP-2-6-Ex	2	22	2600
MEP-4-6 MEP-4-6-Ex	4	44	5200
MEP-6-6 MEP-6-6-Ex	6	66	8000
MEP-8-6 MEP-8-6-Ex	8	88	10500

*Max. air flow is dependent on the dust type, etc.

MEP Filter area

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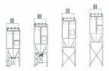
A – Height of Clean Air Chamber (mm)			
200	350	500	650
Shown in drawings	Add 150 mm in height	Add 300 mm in height	Add 450 mm in height

MEP A - height of clean air chamber

Accessories

Figure	Description	Figure	Description
	Top mounted FM-fans 50 Hz or 60 Hz up to 14000 m³/h		Leg height extensions from 0 mm to 2000 mm to fit larger bins/containers, rotary valves and big bags
	Combifab remote fans 50 Hz or 60 Hz		Leg width extension 300 mm to left, right or both sides to fit larger bins/containers, rotary valves and big bags
	Noise enclosure to reduce fan and motor break-out-noise of FM-fans		Suspension below rotary valve for big bag
	Dual silencer to reduce air flow, fan noise and motor break-out-noise of FM-fans (available with grid (indoor use), grid and rain cover (outdoor use) or flange for duct connection)		Isolation box for pressure tank incl. cleaning valves
	Regulation (iris) damper at fan inlet for FM-fans		Access platform with ladder for maintenance
	Dust bins (50 l, 50 l with wheels and 100 l with wheels)		Lime feeder NFKG-70
	Plastic bag in the dust bin with pressure compensation set 'bin balancing'		Several sensors available for extraction, filtration and discharge process
	Rotary valves NRS3 and NRSZ3		Water separator and pressure regulator
	Dust discharge valve NFUS3		QF-duct system

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