

Low-Pressure Filter.

MVTA



Clean air. Dust-free operation.

Application.

The Low-Pressure Filter MVTA is applied with advantage for achieving efficient separation of dust particles from a dust-and-air mixture. The different sizes allow the filters to be optimally operated with air volumes in the range of 54 to 624 m³/min.

Thanks to the selectable placement of the air inlet in the lower or upper filter housing section, a longer service life of the filter bags is achieved.

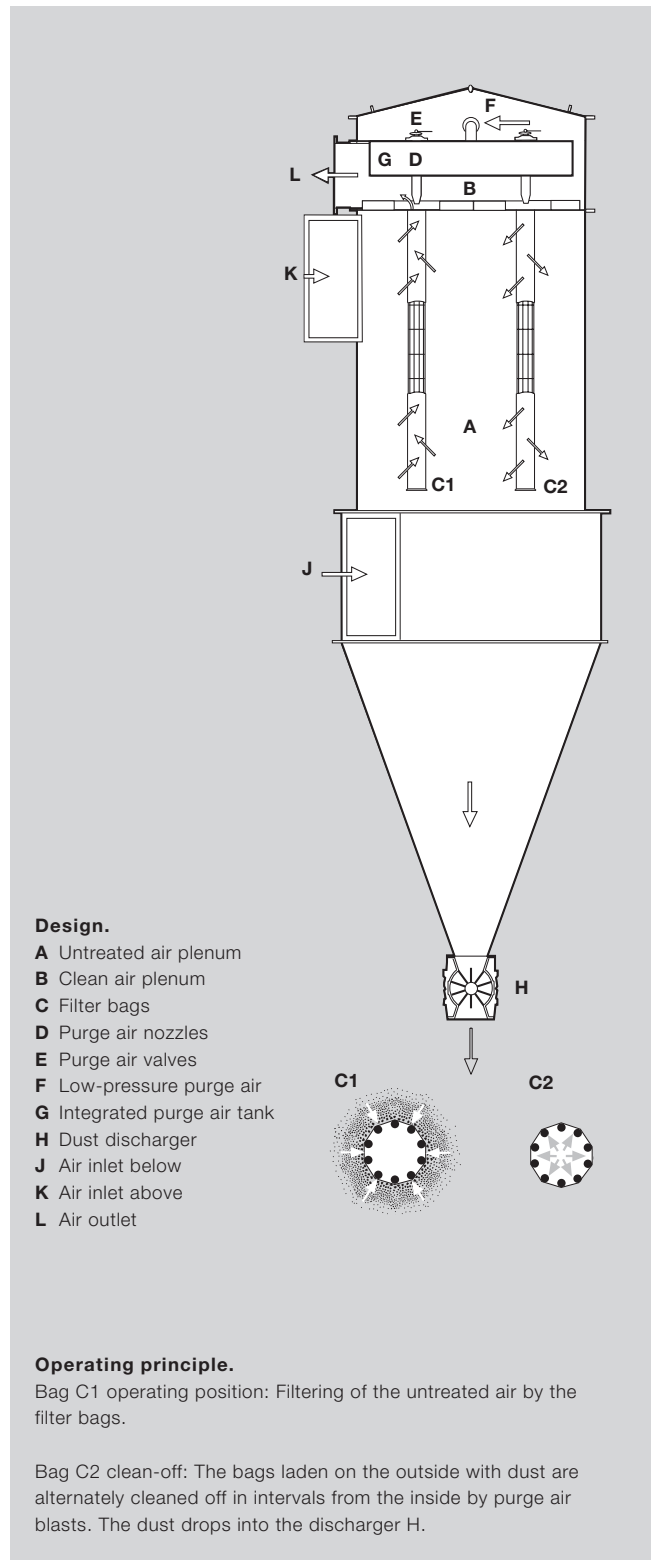
Features.

- Operating pressure: ±0.2 bar
- Bag cleaning by oil- and condensate-free low-pressure purge air of 0.5 bar
- Electronic-pneumatic purging system with high-efficiency counter-current purging; purge air consumption 20–40 Ndm³/bag × pulse
- Optimized streamlining of the purge air paths
- Simple generation of purge air by rotary piston or peripheral blowers
- Filters can be used as aspiration, or bin-top filters

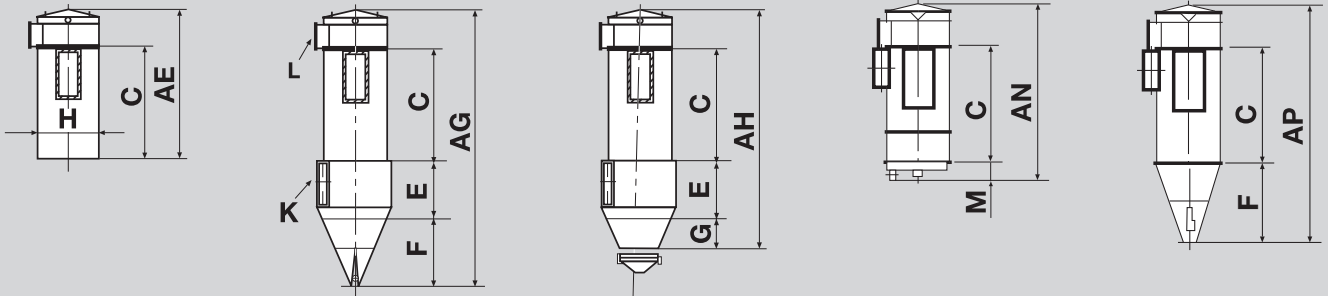
Possible applications.

- Food processing industry:
 - grain milling
 - biscuit factories
 - pasta factories
 - malthouses, breweries
 - chocolate factories
- Animal feed industries

- Clean air
- Dust-free operation
- Maximum safety
- Low building volume



Modular design. For maximum flexibility.



Technical data.

Type	*Number of bags	MVTA-18*			MVTA-26*			MVTA-39*			MVTA-52*			MVTA-78*			MVTA-104*		
		1800	2400	3000	1800	2400	3000	1800	2400	3000	1800	2400	3000	1800	2400	3000	1800	2400	3000
Nominal length of filter bags		1800	2400	3000	1800	2400	3000	1800	2400	3000	1800	2400	3000	1800	2400	3000	1800	2400	3000
Filter area m ²		11.5	15.5	18	16.6	22.4	26	25	33.5	39	33.3	44.7	52	50	67	78	66	89	104
Top-mounted filter	AE	2750	3290	3890	2755	3295	3895	2785	3225	3825	2810	3350	3950	2830	3370	3970	2850	3390	3990
Aspiration filter to airlock	AG	4730	5270	5870	4925	5465	6065	5380	5820	6420	5495	6035	6635	6265	6805	7405	6385	6925	7525
Aspiration filter to vibro	AH	4035	4575	5175	4230	4770	5370	4685	5125	5725	4805	5345	5945	5570	6110	6710	5840	6380	6980
Aspiration filter mechanical discharger	AN	3370	3910	4510	3375	3915	4515	3405	3845	4445	3430	3970	4570	3450	3990	4590	3470	4010	4610
Aspiration filter to hopper	AP	3940	4480	5080	4135	4675	5275	4445	4885	5485	4670	5210	5810	5260	5800	6400	5385	5925	6525
Sleeve chamber	C	1990	2530	3130	1990	2530	3130	1990	2530	3130	1990	2530	3130	1990	2530	3130	1990	2530	3130
Intern. section with inlet	E	985			985			1135			1135			1285			1285		
Cone to airlock	F	1190			1380			1660			1860			2430			2535		
Cone to vibro	G	305			495			765			885			1450			1715		
Ø Sleeve chamber	H	1000			1140			1340			1500			1840			2020		
Air inlet height × width	K	590 × 215			590 × 270			740 × 300			740 × 360			890 × 500			890 × 550		
Air outlet height × width	L	424 × 450			424 × 600			424 × 750			424 × 950			424 × 1400			424 × 1900		
Mechanical discharger	M	620			620			620			620			620 ¹⁾			620 ¹⁾		
Turning increments of components		15°			15°			11.25°			11.25°			9°			9°		
Raw gas flow rate (m ³ /min)		54-108			78-156			117-234			156-312			234-468			312-624		
Approx. weights in kg																			
Top-mounted filter	net	540	590	650	630	690	760	880	970	1090	1060	1170	1300	1480	1660	1860	1710	1920	2150
Aspiration filter to airlock	net	770	820	880	910	970	1040	1280	1370	1490	1510	1620	1750	2170	2350	2550	2550	2760	2990
Aspiration filter to vibro	net	750	800	860	880	940	1010	1240	1330	1450	1480	1590	1720	2150	2330	2530	2500	2710	2950
Intermediate section	net	170			190			240			260			340			380		

1) Attention: Additional cylindrical adapter piece to be considered for type 78 = 390 mm; for type 104 = 558 mm

Bühler AG
CH-9240 Uzwil, Switzerland
T +41 71 955 11 11
F +41 71 955 66 11
www.buhlergroup.com

