

LEVbrochure

Local Exhaust Ventilation

MOBILE FILTERS AND ACCESSORIES





HIGH QUALITY EXTRACTION ARM

Durable extraction arms designed to provide best performance during extraction of fumes & dusts.

STATE OF THE ART EXTRACTION HOOD

Special designed extraction hood provide superior performance.

HIGH EFFICIENT CASSETTE FILTERS

High efficiency cassette filters with 3 stages, easy to install and remove, guarantee clean air.

CONTROL & SIGNAL PANEL

Equipped with filter clog display, ON / OFF switch and working hour counter.

GENERAL INFORMATION

Filter Type	Cassette
Filter Stages - Standard	
Pre Filter Mat	G4 Class
Pre Filter Cassette	M5 Class
Main Filter Cassette	H13 Class
Filter Area	
Pre Filter Cassette	2 m ²
Main Filter Cassette	13 m ²
Filtration Efficiency	
Standard	99,99% @ MPPS
Optional Filters	
Active Carbon Filter Mat	Replaced w/ Pre Filter Mat
Active Carbon Filter Cassette	Replaced w/ Pre Filter Cassette

TECHNICAL INFORMATION

Extraction Capacity (Standard)	900 m ³ /h
Dimensions (W x L x H)	700 x 600 x 1.100 mm
Motor Power	0,55 kW - 3.000 rpm
Power Supply	230 V - 50 Hz
Noise Level	72 dB(a)

ORDER NO

No Arm, SFS	DM.0.12.HEPA13.50.230
1 Arm, 2 m, Inner Support, SFS	DM.12I.12.HEPA13.50.230
1 Arm, 3 m, Inner Support, SFS	DM.13I.12.HEPA13.50.230
1 Arm, 3 m, External Support, SFS	DM.13O.12.HEPA13.50.230
No Arm, ACMFS	DM.0.12.HEPA13.50.230.ACM
1 Arm, 2 m, Inner Support, ACMFS	DM.12I.12.HEPA13.50.230.ACM
1 Arm, 3 m, Inner Support, ACMFS	DM.13I.12.HEPA13.50.230.ACM
1 Arm, 3 m, External Support, ACMFS	DM.13O.12.HEPA13.50.230.ACM
No Arm, ACCFS	DM.0.12.HEPA13.50.230.ACC
1 Arm, 2 m, Inner Support, ACCFS	DM.12I.12.HEPA13.50.230.ACC
1 Arm, 3 m, Inner Support, ACCFS	DM.13I.12.HEPA13.50.230.ACC
1 Arm, 3 m, External Support, ACCFS	DM.13O.12.HEPA13.50.230.ACC

SFS : Standard Filter Set

ACMFS : Active Carbon Filter Mat Optional

ACCFS : Active Carbon Filter Cassette Optional

SPARE PART ORDER NO

Pre Filter Mat (10 pcs / set)	HTM/PAD/430/430/G4
Active Carbon Filter Mat (10 pcs / set)	HTM/PAD/430/430/10 - AC
Pre Filter Cassette - M5	HTM/430/430/42/M5
Active Carbon Filter Cassette	HTM/430/430/48 - AC
Main Filter Cassette - H13	HTM/460/460/292/H13



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CONTROL & SIGNAL PANEL

Each device equipped with filter clog display, fan rotation direction display, ON/OFF switch and working hour counters.

GENERAL INFORMATION

Filter Type	Cartridge
Filter Media	
Standard	nanoBLEND FR
Optional	polyMIGHT PTFE 65
No of Cartridge Filters	1
Total Filtration Area	
Standard	18 m ²
Optional	10 m ²
Filtration Efficiency	
Standard	F9 Class
Optional	H13/H14 Class

TECHNICAL INFORMATION

Extraction Capacity	1.200 m ³ /h
Dimensions (W x L x H)	660 x 805 x 1.210 mm
Motor Power	
Standard #1 [3-Phase]	0,75 kW - 3.000 rpm
Standar #2 [1-Phase]	1,10 kW - 3.000 rpm
Power Supply	
Standard #1 [3-Phase]	380 V / 50 Hz
Standar #2 [1-Phase]	230 V / 50 Hz
Noise Level	72 dB(a)

ORDER NO

No Arm, SFS, 3-P	TMON0.0.18.B135FR.50.380
1 Arm, 3 m, Inner Support, SFS, 3-P	TMON0.131.18.B135FR.50.380
1 Arm, 3 m, External Support, SFS, 3-P	TMON0.130.18.B135FR.50.380
1 Arm, 4 m, External Support, SFS, 3-P	TMON0.140.18.B135FR.50.380
No Arm, OFS, 3-P	TMON0.0.10.265PTFE.50.380
1 Arm, 3 m, Inner Support, OFS, 3-P	TMON0.131.10.265PTFE.50.380
1 Arm, 3 m, External Support, OFS, 3-P	TMON0.130.10.265PTFE.50.380
1 Arm, 4 m, External Support, OFS, 3-P	TMON0.140.10.265PTFE.50.380
No Arm, SFS, 1-P	TMON0.0.18.B135FR.50.230
1 Arm, 3 m, Inner Support, SFS, 1-P	TMON0.131.18.B135FR.50.230
1 Arm, 3 m, External Support, SFS, 1-P	TMON0.130.18.B135FR.50.230
1 Arm, 4 m, External Support, SFS, 1-P	TMON0.140.18.B135FR.50.230
No Arm, OFS, 1-P	TMON0.0.10.265PTFE.50.230
1 Arm, 3 m, Inner Support, OFS, 1-P	TMON0.131.10.265PTFE.50.230
1 Arm, 3 m, External Support, OFS, 1-P	TMON0.130.10.265PTFE.50.230
1 Arm, 4 m, External Support, OFS, 1-P	TMON0.140.10.265PTFE.50.230

SFS : Standard Filter Set

OFS: Optional Filter Set

SPARE PART ORDER NO

nanoBLEND FR Filter	HTM/351/600/B135FR/18
polyMIGHT PTFE 65 Filter	HTM/351/600/265PTFE/10
3 m Flexible Hose	MF-3H-S
4 m Flexible Hose	MF-4H-S



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CONTROL & SIGNAL PANEL

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GENERAL INFORMATION

Filter Type	Cartridge
Filter Media	
Standard	nanoBLEND FR
Optional	polyMIGHT PTFE 65
No of Cartridge Filters	1
Total Filtration Area	
Standard	24 m ²
Optional	20 m ²
Filtration Efficiency	
Standard	F9 Class
Optional	H13/H14 Class

TECHNICAL INFORMATION

Extraction Capacity	
1 Arm Model	1.400 m ³ /h
2 Arms Model	2 x 1.100 m ³ /h
Dimensions (W x L x H)	650 x 815 x 1.320 mm
Motor Power	1,1 kW - 3.000 rpm
Power Supply	380 V / 50 Hz
Noise Level	73 dB(a)

ORDER NO

No Arm, SFS	TPR0.0.24.B135FR.50.380
1 Arm, 3 m, Inner Support, SFS	TPR0.131.24.B135FR.50.380
1 Arm, 3 m, External Support, SFS	TPR0.130.24.B135FR.50.380
1 Arm, 4 m, External Support, SFS	TPR0.140.24.B135FR.50.380
No Arm, OFS	TPR0.0.20.265PTFE.50.380
1 Arm, 3 m, Inner Support, OFS	TPR0.131.20.265PTFE.50.380
1 Arm, 3 m, External Support, OFS	TPR0.130.20.265PTFE.50.380
1 Arm, 4 m, External Support, OFS	TPR0.140.20.265PTFE.50.380
2 Arms, 3 m, Inner Support, SFS	TPR0.231.24.B135FR.50.380
2 Arms, 3 m, External Support, SFS	TPR0.230.24.B135FR.50.380
2 Arms, 4 m, External Support, SFS	TPR0.240.24.B135FR.50.380
2 Arms, 3 m, Inner Support, OFS	TPR0.231.20.265PTFE.50.380
2 Arms, 3 m, External Support, OFS	TPR0.230.20.265PTFE.50.380
2 Arms, 4 m, External Support, OFS	TPR0.240.20.265PTFE.50.380

SFS : Standard Filter Set

OFS: Optional Filter Set

SPARE PART ORDER NO

nanoBLEND FR Filter	HTM/380/660/B135FR/24
polyMIGHT PTFE 65 Filter	HTM/380/660/265PTFE/20
3 m Flexible Hose	MF-3H-S
4 m Flexible Hose	MF-4H-S



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JET-PULSE AUTOMATIC CLEANING SYSTEM

Automatic jet-pulse cleaning system for continuous operation and less frequent maintenance.

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CONTROL & SIGNAL PANEL

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GENERAL INFORMATION

Filter Type	Cartridge
Filter Media	
Standard	nanoBLEND FR
Optional	polyMIGHT PTFE 65
No of Cartridge Filters	2
Total Filtration Area	
Standard	36 m ²
Optional	20 m ²
Filtration Efficiency	
Standard	F9 Class
Optional	H13/H14 Class

TECHNICAL INFORMATION

Extraction Capacity	
1 Arm Model	1.400 m ³ /h
2 Arms Model	2 x 1.100 m ³ /h
Dimensions (W x L x H)	890 x 810 x 1.760 mm
Motor Power	1,1 kW - 3.000 rpm
Power Supply	380 V / 50 Hz
Noise Level	73 dB(a)

ORDER NO

No Arm, SFS	TPULSE.0.36.B135FR.50.380
1 Arm, 3 m, Inner Support, SFS	TPULSE.131.36.B135FR.50.380
1 Arm, 3 m, External Support, SFS	TPULSE.130.36.B135FR.50.380
1 Arm, 4 m, External Support, SFS	TPULSE.140.36.B135FR.50.380
No Arm, OFS	TPULSE.0.20.265PTFE.50.380
1 Arm, 3 m, Inner Support, OFS	TPULSE.131.20.265PTFE.50.380
1 Arm, 3 m, External Support, OFS	TPULSE.130.20.265PTFE.50.380
1 Arm, 4 m, External Support, OFS	TPULSE.140.20.265PTFE.50.380
2 Arms, 3 m, Inner Support, SFS	TPULSE.231.36.B135FR.50.380
2 Arms, 3 m, External Support, SFS	TPULSE.230.36.B135FR.50.380
2 Arms, 4 m, External Support, SFS	TPULSE.240.36.B135FR.50.380
2 Arms, 3 m, Inner Support, OFS	TPULSE.231.20.265PTFE.50.380
2 Arms, 3 m, External Support, OFS	TPULSE.230.20.265PTFE.50.380
2 Arms, 4 m, External Support, OFS	TPULSE.240.20.265PTFE.50.380

SFS : Standard Filter Set

OFS: Optional Filter Set

SPARE PART ORDER NO

nanoBLEND FR Filter	HTM/351/600/B135FR/18
polyMIGHT PTFE 65 Filter	HTM/351/600/265PTFE/10
3 m Flexible Hose	MF-3H-S
4 m Flexible Hose	MF-4H-S



CONTROL & SIGNAL PANEL

Control panel contains START, STOP buttons, MANUEL/AUTO Switch, Error, System Ready and Filter Full Indicators.



AUTO-RUN MODE

Mikrofil MIDI devices ready to sync with tolls. The link to the welding or polishing machine is saving time and energy.

JET-PULSE AUTOMATIC CLEANING SYSTEM

Automatic jet-pulse cleaning system for continuous operation and less frequent maintenance.

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BRUSHLESS TURBO BLOWER

High efficient Brushless Turbo Blowers provides excellent extraction performance while minimizing the maintenance requirement.

GENERAL INFORMATION

Filter Type	Cartridge
Filter Media	
Standard	nanoBLEND FR
Optional	polyMIGHT PTFE 65
No of Cartridge Filters	1
Total Filtration Area	
Standard #1 (300 mm filter length)	9 m ²
Standard #2 (600 mm filter length)	18 m ²
Optional #1 (300 mm filter length)	5 m ²
Optional #2 (600 mm filter length)	10 m ²
Filtration Efficiency	
Standard	F9 Class
Optional	H13/H14 Class

TECHNICAL INFORMATION

Extraction Capacity	max. 150 m ³ /h @ 15.000 Pa
Dimensions (W x L x H)	600 x 885 x 1.100 mm
Motor Power	1,6 kW - 2.850 rpm
Power Supply	380 V / 50 Hz
Noise Level	70 dB(a)

ORDER NO

No Hose, SFS	MFILMIDI.20.B135FR.50.380
No Hose, OFS	MFILMIDI.10.265PTFE.50.380

SFS : Standard Filter Set

OFS: Optional Filter Set

*Mikrofil MIDI high vacuum on torch extraction units do not contain extraction hose, nozzle or extraction torch. You need to inquiry correct accessories for your specific process.

ACCESSORIES ORDER NO

Ø50 mm Flexible Hose - 2,5 mt	HV.50.HOSE.25
Ø50 mm Flexible Hose - 5 mt	HV.50.HOSE.50
Ø50 mm Flexible Hose - 10 mt	HV.50.HOSE.100
Automatic start/stop sensor	AUTO.MF.SENSOR
Extraction Hood for Robot Torch	ROB.TOR.HOOD.[*]

*Welding Torch diameter should be given in mm.

For fume extraction torch, please contact Bomaksan Sales Team.

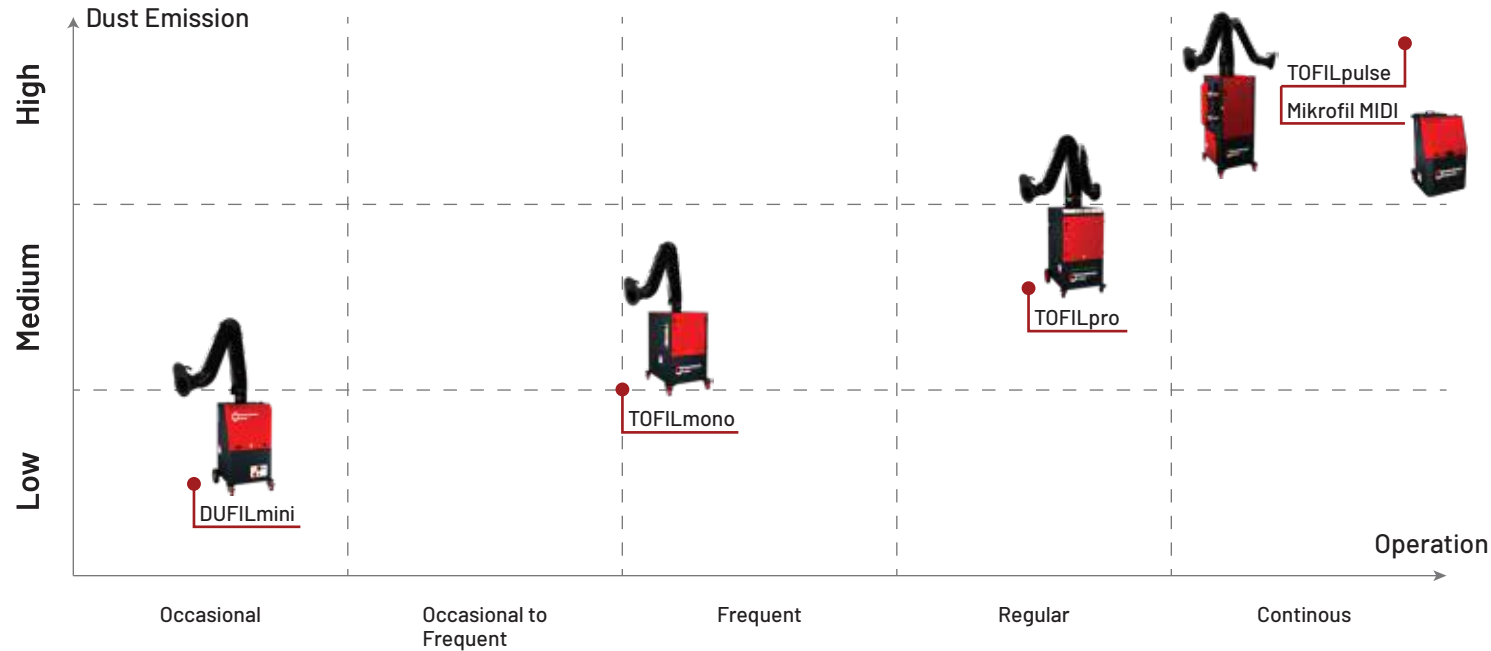
SPARE PART ORDER NO

nanoBLEND FR Filter - 300 mm	HTM/351/300/B135FR/9
polyMIGHT PTFE 65 Filter - 300 mm	HTM/351/300/265PTFE/5
nanoBLEND FR Filter - 600 mm	HTM/351/600/B135FR/18
polyMIGHT PTFE 65 Filter - 600 mm	HTM/351/600/265PTFE/10

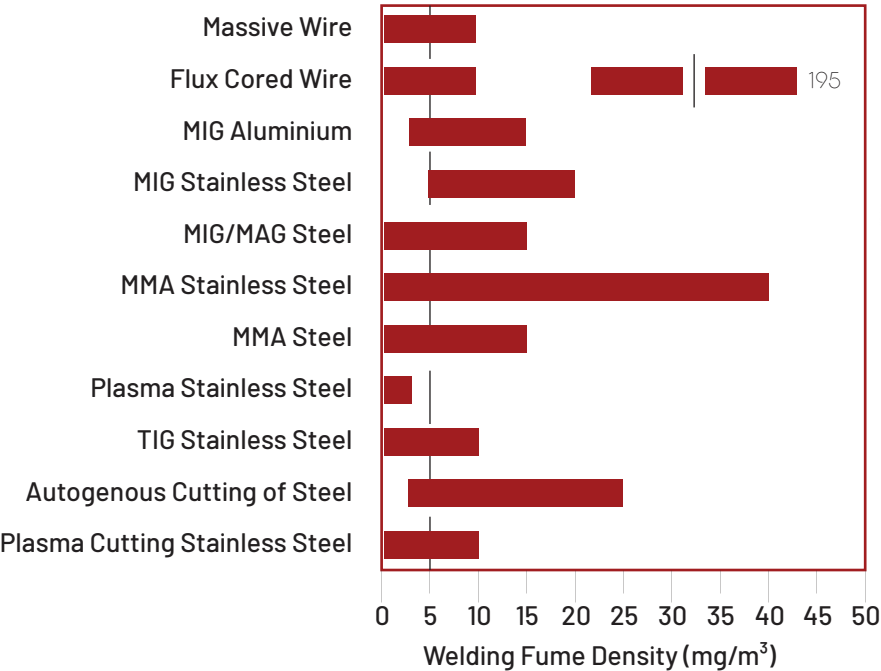


GENERAL INFORMATION	DUFILmini	TOFILmono	TOFILpro	TOFILpulse	Mikrofil MIDI
Filter Type	Cassette	Cartridge	Cartridge	Cartridge	Cartridge
Filter Media					
Standard	G4 + M5 + H13	nanoBLEND FR	nanoBLEND FR	nanoBLEND FR	nanoBLEND FR
Optional	Active Carbon Filter	polyMIGHT PTFE 65	polyMIGHT PTFE 65	polyMIGHT PTFE 65	polyMIGHT PTFE 65
No of Filters	4	1	1	2	1
Total Filtration Area					
Standard	12 m²	18 m²	24 m²	36 m²	9 m² / 18 m²
Optional	12 m²	10 m²	20 m²	20 m²	5 m² / 10 m²
Filtration Efficiency					
Standard	H13 Class	F9 Class	F9 Class	F9 Class	F9 Class
Optional	H13 Class	H13/H14 Class	H13/H14 Class	H13/H14 Class	H13/H14 Class

TECHNICAL INFORMATION	DUFILmini	TOFILmono	TOFILpro	TOFILpulse	Mikrofil MIDI
Extraction Capacity					
1 Arm Model	900 m³/h	1.200 m³/h	1.400 m³/h	1.400 m³/h	max. 150 m³/h @ 15.000 Pa
2 Arms Model	N/A	N/A	2 x 1.100 m³/h	2 x 1.100 m³/h	N/A
Dimensions (W x L x H)	700 x 600 x 1.100 mm	660 x 805 x 1.210 mm	650 x 815 x 1.320 mm	890 x 810 x 1.760 mm	600 x 885 x 1.100 mm
Motor Power	0,55 kW - 3.000 rpm	0,75 kW - 3.000 rpm	1,1 kW - 3.000 rpm	1,1 kW - 3.000 rpm	1,6 kW - 2.850 rpm
Power Supply	230 V - 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz	380 V / 50 Hz
Noise Level	72 dB(a)	72 dB(a)	73 dB(a)	73 dB(a)	70 dB(a)



Emission Rate	Material	Use			
Application Example		Occasional	Occasional to Frequent	Regular	Continuous
Class I & II < 1-2 mg/s Submerged Arc Welding TIG Welding Laser Welding	Non - Alloy Low - Alloy	DUFILmini	DUFILmini TOFILmono TOFILpro	TOFILmono TOFILpro TOFILpulse	TOFILpro TOFILpulse
	Aluminium	DUFILmini	DUFILmini TOFILmono TOFILpro	TOFILmono TOFILpro TOFILpulse	TOFILpro TOFILpulse
	High-Alloy Alloy Steel	DUFILmini	DUFILmini TOFILmono TOFILpro	TOFILmono TOFILpro TOFILpulse	TOFILpro TOFILpulse
Class III 2-25 mg/s Electric Arc Welding MIG/MAG Welding	Non - Alloy Low - Alloy Aluminium	DUFILmini	TOFILmono TOFILpro	TOFILpro TOFILpulse	TOFILpro TOFILpulse
	High-Alloy Non-Ferrous Metal	DUFILmini	TOFILmono TOFILpro	TOFILpro TOFILpulse	TOFILpro TOFILpulse
Class IV >25 mg/s Flux-Cored Wire Welding	Non - Alloy Low - Alloy Aluminium	TOFILmono TOFILpro	TOFILpro TOFILpulse	TOFILpro TOFILpulse	TOFILpro TOFILpulse
	High-Alloy Non-Ferrous Metal	TOFILmono TOFILpro	TOFILpro TOFILpulse	TOFILpro TOFILpulse	TOFILpro TOFILpulse





Due to improvement on products, Bomaksan reserves the right to change or modify all information taking place in this brochure at any time without any prior notice

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