



BETTER AIR FOR A BETTER QUALITY OF LIFE

SERIE M



INDUSTRIAL SOLUTIONS

DESCRIPTION

The **M Series** modules are suitable for installation downstream of air treatment systems/plants, scrubbers or cartridge filters or pipeline sections where the filtration of the air from specific industrial processes such as welding process, die casting, turning and laser cutting is required.

The modules are supplied on request with fan, junctions and plenum.

The M modules can be supplied in two variations:

- **NTA**: standard execution (with very high efficiency filtration)
- **NTB**: double air flow execution (with higher air flow rates and lower filtration efficiency)

The **M modules** are also distinguished depending on:

- they are suitable for filtering dry smokes and dry powders MD model
- they are suitable for filtering oily fumes and vapors MDL model

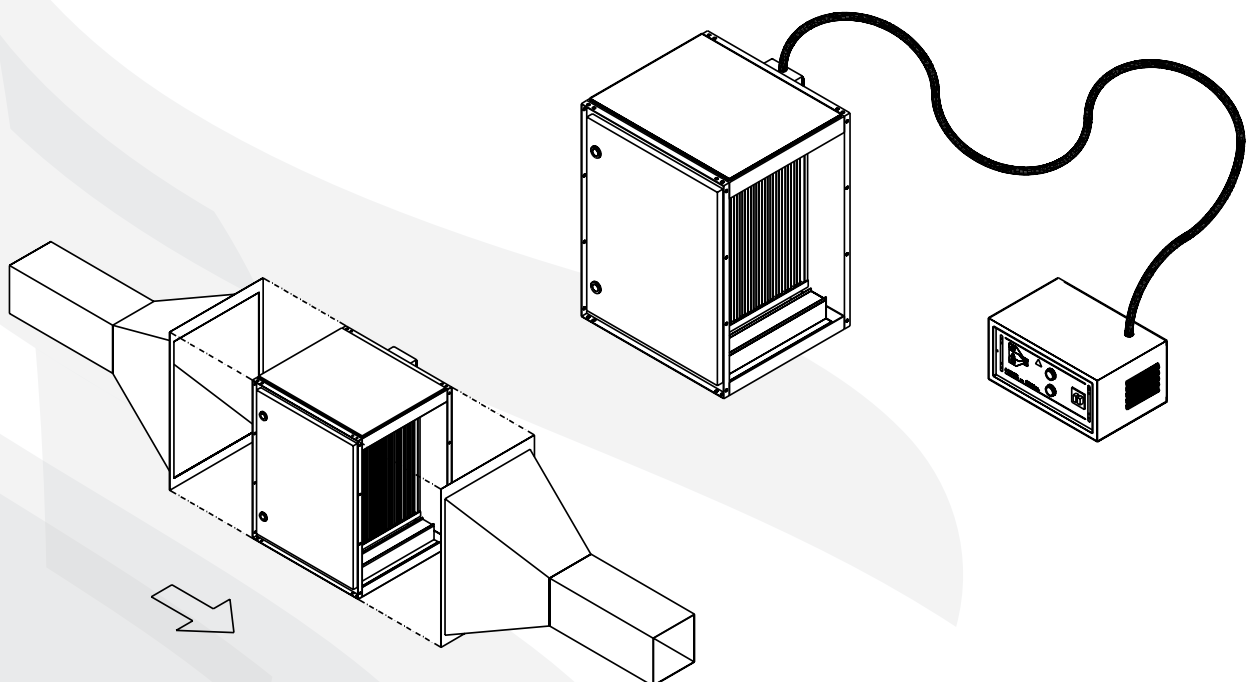
The module consists of epoxy powder coated panels. It is equipped with an inspection door mounted on hinges and locked with keylocks.

The Compact series electric panel allows to power and control the electrostatic filters.

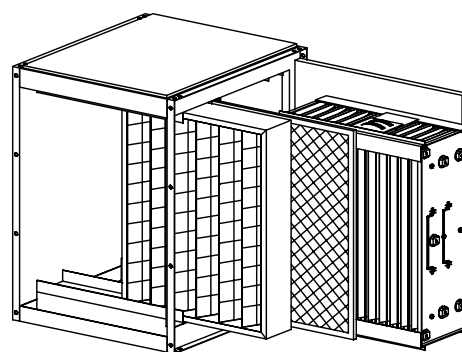
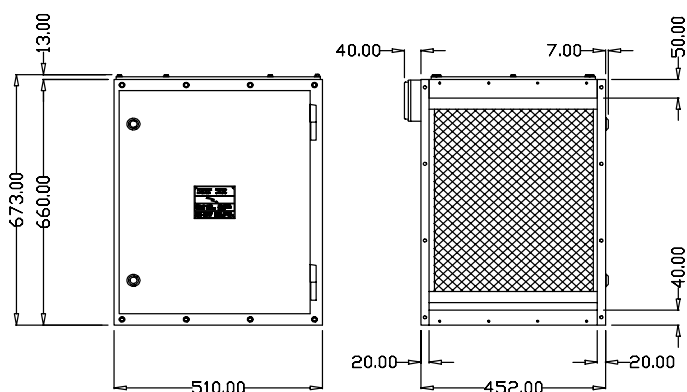
Electronic control and management of electrostatic filters is the Energy version.

On the control panel there is an on/off switch, voltage warning signal and electrostatic filter efficiency display system, low voltage control circuit with fuses in case of overcurrent control.

The module is supplied with the two sides of open air passage. On these sides the air conveyor channels must be fixed. The electrical power supply (230 V) must be connected to the electrical panel with the appropriate plug.



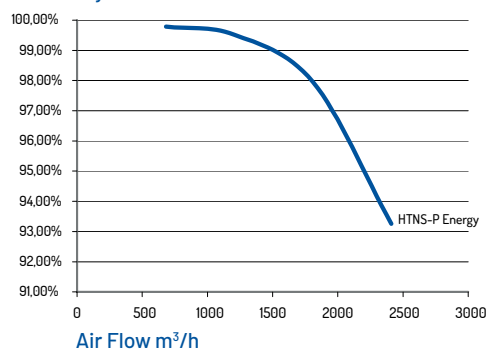
MODEL M1



	M1DNTA	M1DNTB	M1DLNTA	M1DLNTB
Airflow m ³ /h	600 / 1800	1200 / 2400	600 / 1800	1200 / 2400
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 45	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	40	40	40	40
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,06	0,06	0,06	0,06
Fabric prefilters type PFO G200 mod. 115/3	1	1	1	1
Steel mesh prefilter mod. 115/3	1	1	1	1
Electrostatic filters mod. 115/3D	1	1	-	-
Electrostatic filters mod. 115/3D oil	-	-	1	1
Number of discharge electrodes	12	12	12	12
Capture surface mq	5,412	5,412	5,015	5,015
Flow section mq	0,1695	0,1695	0,1487	0,1487
Pollutant accomulation capacity ⁽²⁾	160 g	160 g	160 g	160 g
Type of panel	Compact2i	Compact2i	Compact6i	Compact6i

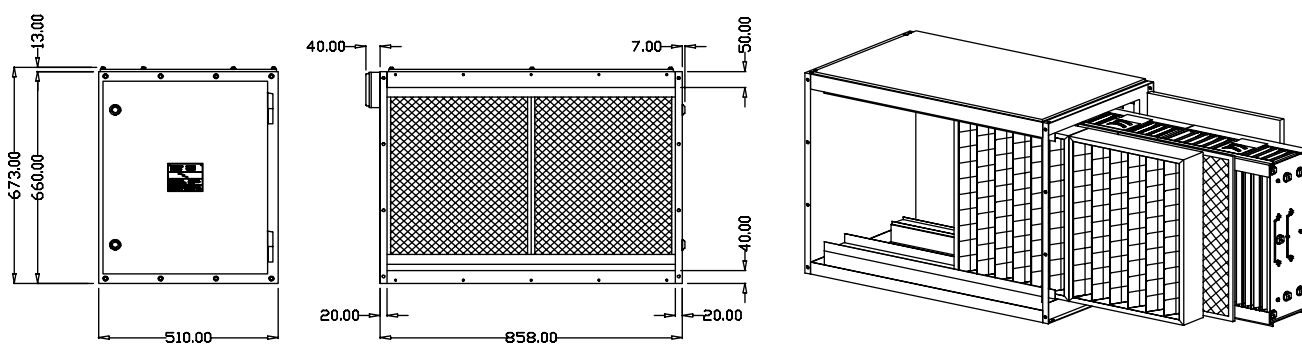
FILTERS INSTALLED		
Electrostatic filters 115/3D	1	cod. B00458
Industrial prefilter 115/3	1	cod. B00758
Prefilters PFO G200 115/3	1	cod. BB0275
Filtration surface EU3	cm ²	6050
Weight	Kg	40

Efficiency %



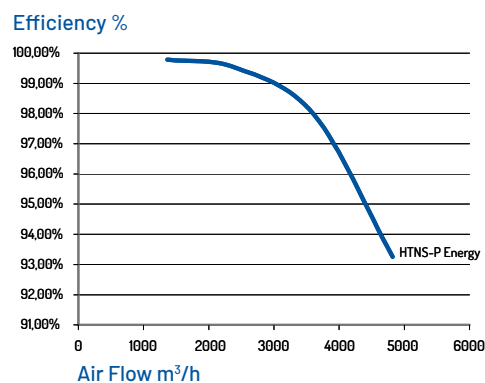
(1) Instrumental efficiency measured on spectrum of 5 ÷ 0.3 µm with DOE system as reported on C.N.R certification. 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M2



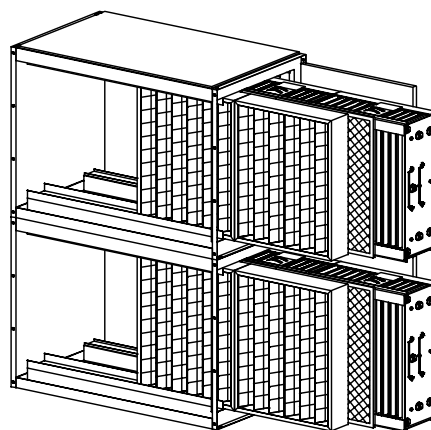
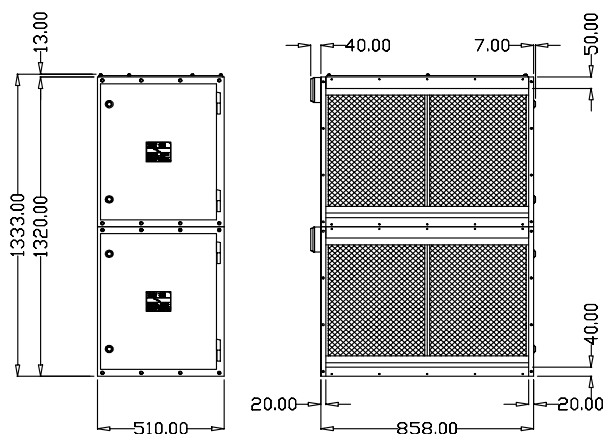
	M2DNTA	M2DNTB	M2DLNTA	M2DLNTB
Airflow m ³ /h	1200 / 3600	2400 / 4800	1200 / 3600	2400 / 4800
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	65	65	65	65
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,12	0,12	0,12	0,12
Fabric prefilters type PFO G200 mod. 115/3	2	2	2	2
Steel mesh prefilter mod. 115/3	2	2	2	2
Electrostatic filters mod. 115/3D	2	2	-	-
Electrostatic filters mod. 115/3D oil	-	-	2	2
Number of discharge electrodes	24	24	24	24
Capture surface mq	10,82	10,82	10,03	10,03
Flow section mq	0,339	0,339	0,2974	0,2974
Pollutant accumulation capacity ⁽²⁾	320 g	320 g	320 g	320 g
Type of panel	Compact2i	Compact2i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	2	cod. B00458
Industrial prefilter 115/3	2	cod. B00758
Prefilters PFO G200 115/3	2	cod. BB0275
Filtration surface EU3	cm ²	12100
Weight	Kg	65



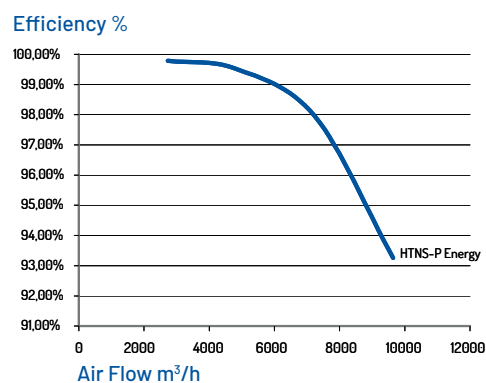
(1) Instrumental efficiency measured on spectrum of $5 \div 0.3 \mu\text{m}$ with DOE system as reported on C.N.R certification, 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M2-02



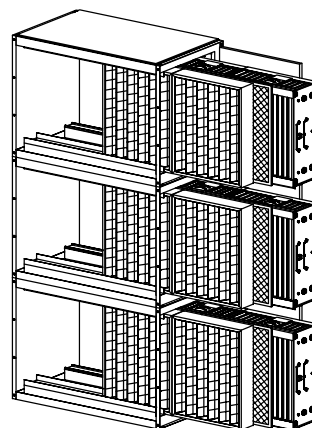
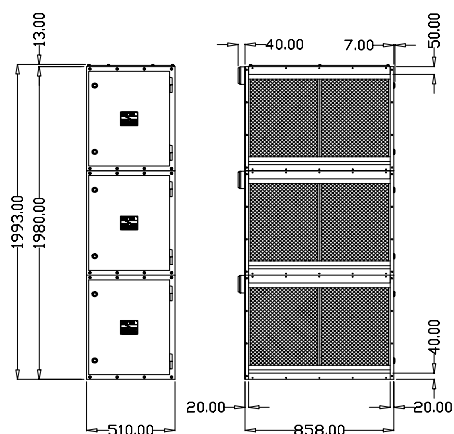
	M2D-02 NTA	M2D-02 NTB	M2DL-02 NTA	M2DL-02 NTB
Airflow m ³ /h	2400 / 7200	4800 / 9600	2400 / 7200	4800 / 9600
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	119	119	119	119
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,24	0,24	0,24	0,24
Fabric prefilters type PFO G200 mod. 115/3	4	4	4	4
Steel mesh prefilter mod. 115/3	4	4	4	4
Electrostatic filters mod. 115/3D	4	4	-	-
Electrostatic filters mod. 115/3D oil	-	-	4	4
Number of discharge electrodes	48	48	48	48
Capture surface mq	21,65	21,65	20	20
Flow section mq	0,6780	0,6780	0,5948	0,5948
Pollutant accomulation capacity ⁽²⁾	640 g	640 g	640 g	640 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	4	cod. B00458
Industrial prefilter 115/3	4	cod. B00758
Prefilters PFO G200 115/3	4	cod. BB0275
Filtration surface EU3	cm ²	24200
Weight	Kg	119



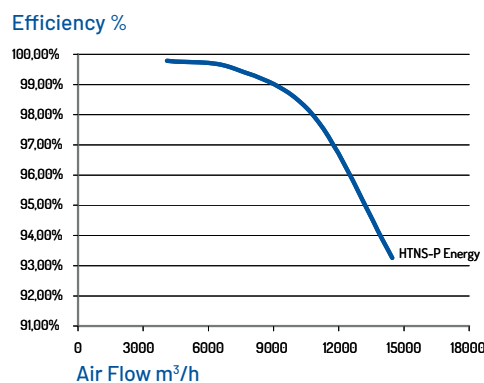
(1) Instrumental efficiency measured on spectrum of 5 ÷ 0.3 µm with DOE system as reported on C.N.R certification. 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M2-03



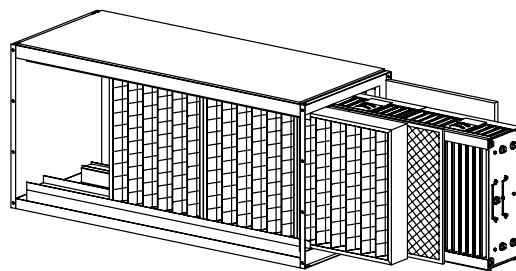
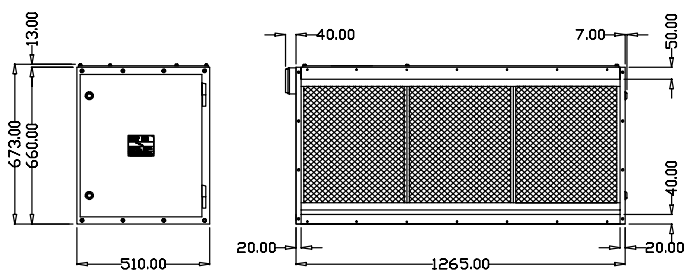
	M2D-03 NTA	M2D-03 NTB	M2DL-03 NTA	M2DL-03 NTB
Airflow m ³ /h	3600 / 10800	7200 / 14400	3600 / 10800	7200 / 14400
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	172	172	172	172
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,36	0,36	0,36	0,36
Fabric prefilters type PFO G200 mod. 115/3	6	6	6	6
Steel mesh prefilter mod. 115/3	6	6	6	6
Electrostatic filters mod. 115/3D	6	6	-	-
Electrostatic filters mod. 115/3D oil	-	-	6	6
Number of discharge electrodes	72	72	72	72
Capture surface mq	32,47	32,47	30,09	30,09
Flow section mq	1,0170	1,0170	0,8922	0,8922
Pollutant accumulation capacity ⁽²⁾	960 g	960 g	960 g	960 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	6	cod. B00458
Industrial prefilter 115/3	6	cod. B00758
Prefilters PFO G200 115/3	6	cod. BB0275
Filtration surface EU3	cm ²	36300
Weight	Kg	172



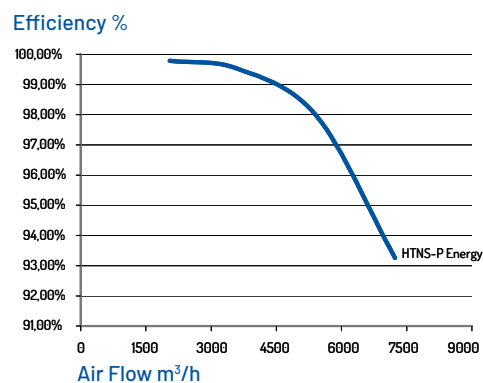
(1) Instrumental efficiency measured on spectrum of $5 \div 0.3 \mu\text{m}$ with DOE system as reported on C.N.R certification, 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M3



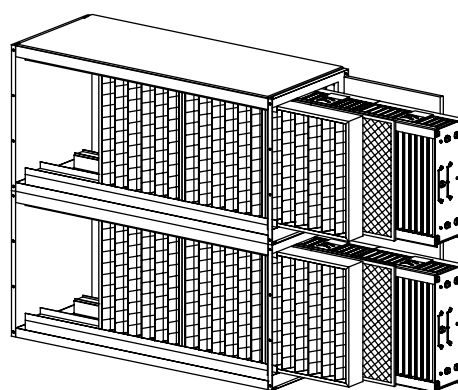
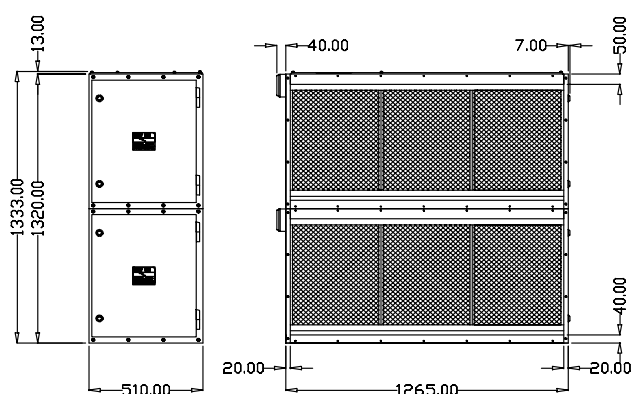
	M3DNTA	M3DNTB	M3DLNTA	M3DLNTB
Airflow m ³ /h	1800 / 5400	3600 / 7200	1800 / 5400	3600 / 7200
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	90	90	90	90
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,18	0,18	0,18	0,18
Fabric prefilters type PFO G200 mod. 115/3	3	3	3	3
Steel mesh prefilter mod. 115/3	3	3	3	3
Electrostatic filters mod. 115/3D	3	3	-	-
Electrostatic filters mod. 115/3D oil	-	-	3	3
Number of discharge electrodes	36	36	36	36
Capture surface mq	16,24	16,24	15,05	15,05
Flow section mq	0,5085	0,5085	0,4461	0,4461
Pollutant accomulation capacity ⁽²⁾	480 g	480 g	480 g	480 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	3	cod. B00458
Industrial prefilter 115/3	3	cod. B00758
Prefilters PFO G200 115/3	3	cod. BB0275
Filtration surface EU3	cm ²	18150
Weight	Kg	90



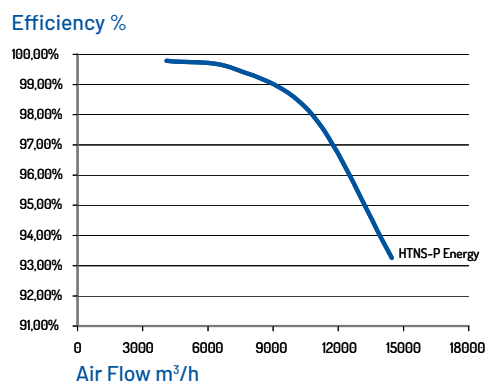
(1) Instrumental efficiency measured on spectrum of 5 ÷ 0.3 µm with DOE system as reported on C.N.R certification. 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M3-02



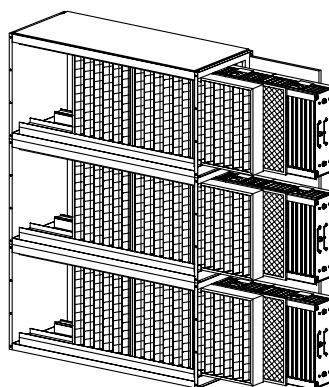
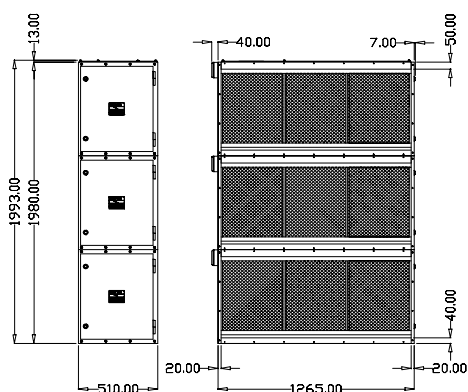
	M3D-02 NTA	M3D-02 NTB	M3DL-02 NTA	M3DL-02 NTB
Airflow m ³ /h	3600 / 10800	7200 / 14400	3600 / 10800	7200 / 14400
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	169	169	169	169
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,36	0,36	0,36	0,36
Fabric prefilters type PFO G200 mod. 115/3	6	6	6	6
Steel mesh prefilter mod. 115/3	6	6	6	6
Electrostatic filters mod. 115/3D	6	6	-	-
Electrostatic filters mod. 115/3D oil	-	-	6	6
Number of discharge electrodes	72	72	72	72
Capture surface mq	32,47	32,47	30,09	30,09
Flow section mq	1,0170	1,0170	0,8922	0,8922
Pollutant accumulation capacity ⁽²⁾	960 g	960 g	960 g	960 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	6	cod. B00458
Industrial prefilter 115/3	6	cod. B00758
Prefilters PFO G200 115/3	6	cod. BB0275
Filtration surface EU3	cm ²	36300
Weight	Kg	169



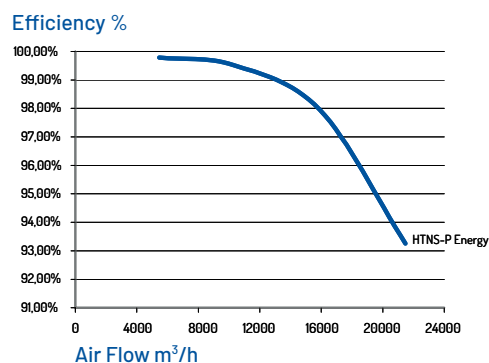
(1) Instrumental efficiency measured on spectrum of $5 \pm 0,3 \mu\text{m}$ with DOE system as reported on C.N.R certification, 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M3-03



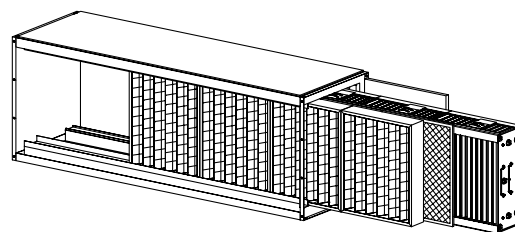
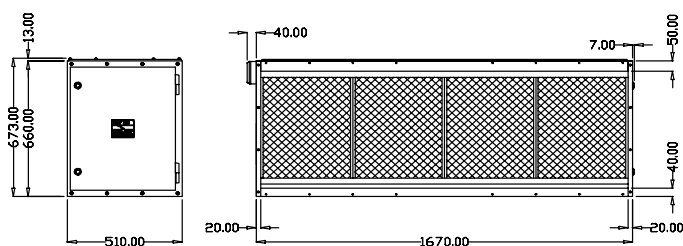
	M3D-03 NTA	M3D-03 NTB	M3DL-03 NTA	M3DL-03 NTB
Airflow m ³ /h	5400 / 16200	10900 / 21600	5400 / 16200	10900 / 21600
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	247	247	247	247
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,54	0,54	0,54	0,54
Fabric prefilters type PFO G200 mod. 115/3	9	9	9	9
Steel mesh prefilter mod. 115/3	9	9	9	9
Electrostatic filters mod. 115/3D	9	9	-	-
Electrostatic filters mod. 115/3D oil	-	-	9	9
Number of discharge electrodes	108	108	108	108
Capture surface mq	48,71	48,71	45,14	45,14
Flow section mq	1,5255	1,5255	1,3383	1,3383
Pollutant accomulation capacity ⁽²⁾	1440 g	1440 g	1440 g	1440 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	9	cod. B00458
Industrial prefilter 115/3	9	cod. B00758
Prefilters PFO G200 115/3	9	cod. BB0275
Filtration surface EU3	cm ²	54450
Weight	Kg	247



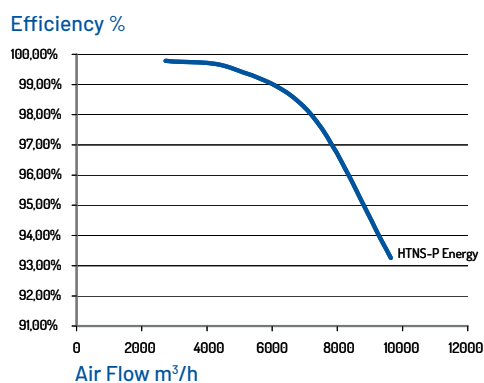
(1) Instrumental efficiency measured on spectrum of 5 ÷ 0.3 µm with DOE system as reported on C.N.R certification. 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M4



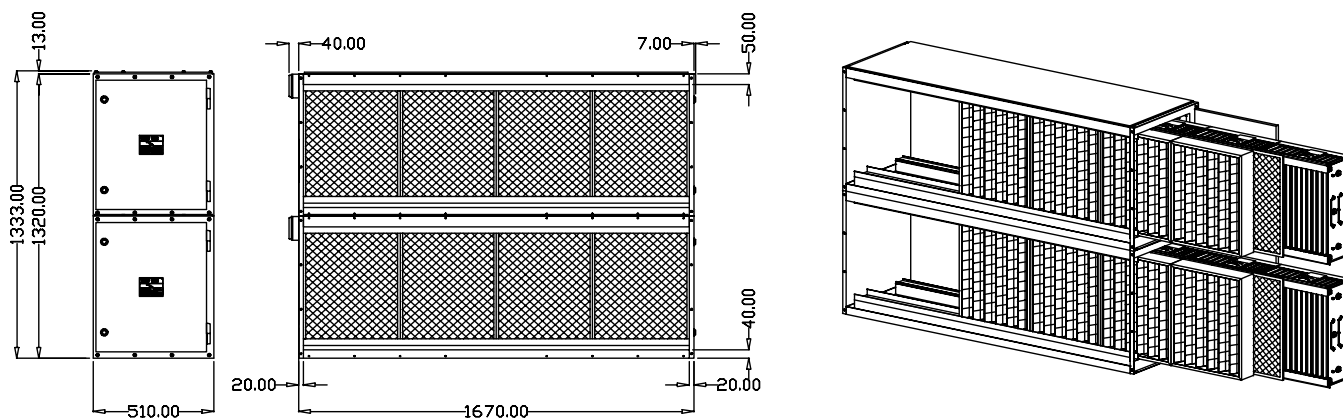
	M4DNTA	M4DNTB	M4DLNTA	M4DLNTB
Airflow m ³ /h	2400 / 7200	4800 / 9600	2400 / 7200	4800 / 9600
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	115	115	115	115
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,24	0,24	0,24	0,24
Fabric prefilters type PFO G200 mod. 115/3	4	4	4	4
Steel mesh prefilter mod. 115/3	4	4	4	4
Electrostatic filters mod. 115/3D	4	4	-	-
Electrostatic filters mod. 115/3D oil	-	-	4	4
Number of discharge electrodes	48	48	48	48
Capture surface mq	21,65	21,65	20,06	20,06
Flow section mq	0,6780	0,6780	0,5948	0,5948
Pollutant accumulation capacity ⁽²⁾	640 g	640 g	640 g	640 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	4	cod. B00458
Industrial prefilter 115/3	4	cod. B00758
Prefilters PFO G200 115/3	4	cod. BB0275
Filtration surface EU3	cm ²	24200
Weight	Kg	115



(1) Instrumental efficiency measured on spectrum of $5 \div 0.3 \mu\text{m}$ with DOE system as reported on C.N.R certification, 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M4-02

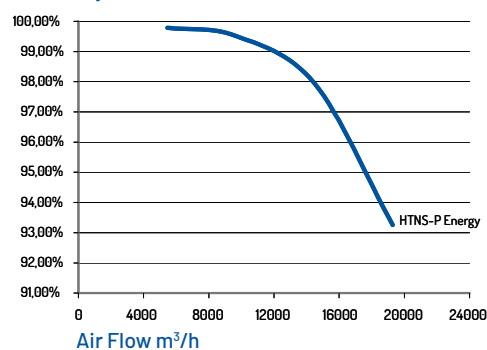


	M4D-02 NTA	M4D-02 NTB	M4DL-02 NTA	M4DL-02 NTB
Airflow m ³ /h	4800 / 14400	9600 / 19200	4800 / 14400	9600 / 19200
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	219	219	219	219
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,48	0,48	0,48	0,48
Fabric prefilters type PFO G200 mod. 115/3	8	8	8	8
Steel mesh prefilter mod. 115/3	8	8	8	8
Electrostatic filters mod. 115/3D	8	8	-	-
Electrostatic filters mod. 115/3D oil	-	-	8	8
Number of discharge electrodes	96	96	96	96
Capture surface mq	43,30	43,30	40,12	40,12
Flow section mq	1,3560	1,3560	1,1896	1,1896
Pollutant accomulation capacity ⁽²⁾	1280 g	1280 g	1280 g	1280 g
Type of panel	Compact12i	Compact12i	Compact12i	Compact12i

FILTERS INSTALLED

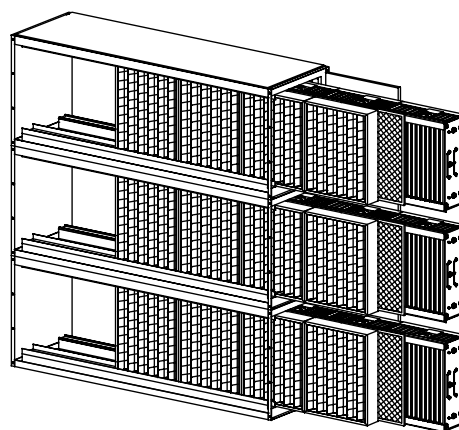
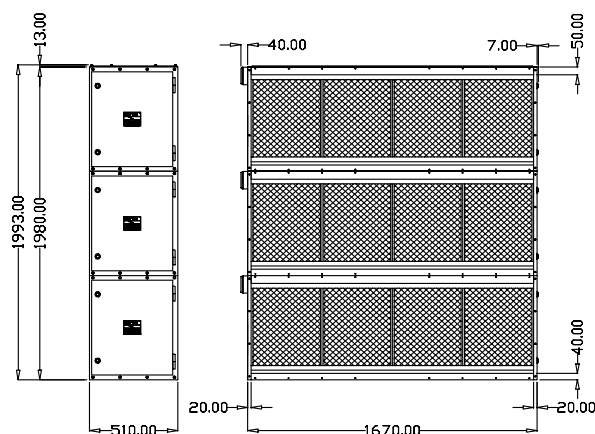
Electrostatic filters 115/3D	8	cod. B00458
Industrial prefilter 115/3	8	cod. B00758
Prefilters PFO G200 115/3	8	cod. BB0275
Filtration surface EU3	cm ²	48400
Weight	Kg	219

Efficiency %



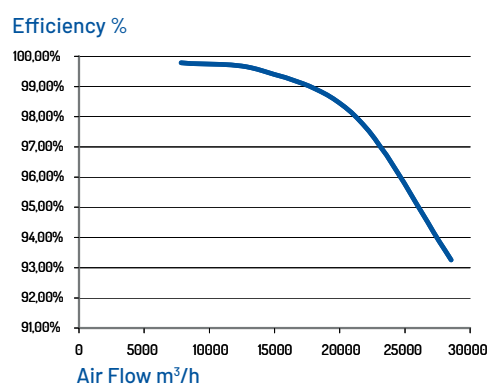
(1) Instrumental efficiency measured on spectrum of 5 ÷ 0.3 µm with DOE system as reported on C.N.R certification. 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M4-03



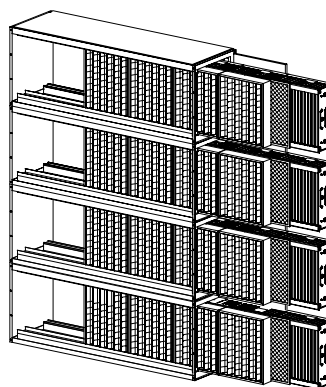
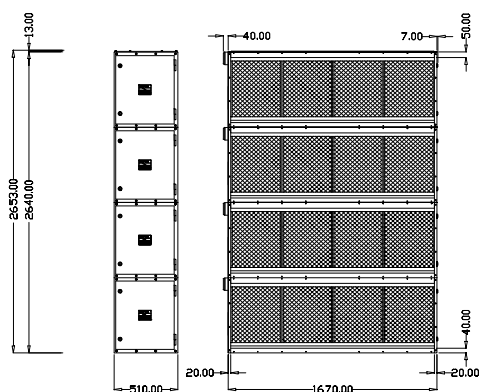
	M4D-03 NTA	M4D-03 NTB	M4DL-03 NTA	M4DL-03 NTB
Airflow m ³ /h	7200 / 21600	14400 / 28800	7200 / 21600	14400 / 28800
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	322	322	322	322
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,72	0,72	0,72	0,72
Fabric prefilters type PFO G200 mod. 115/3	12	12	12	12
Steel mesh prefilter mod. 115/3	12	12	12	12
Electrostatic filters mod. 115/3D	12	12	-	-
Electrostatic filters mod. 115/3D oil	-	-	12	12
Number of discharge electrodes	144	144	144	144
Capture surface mq	64,94	64,94	60,18	60,18
Flow section mq	2,0340	2,0340	1,7844	1,7844
Pollutant accumulation capacity ⁽²⁾	1920 g	1920 g	1920 g	1920 g
Type of panel	Compact12i	Compact12i	Compact12i	Compact12i

FILTERS INSTALLED		
Electrostatic filters 115/3D	12	cod. B00458
Industrial prefilter 115/3	12	cod. B00758
Prefilters PFO G200 115/3	12	cod. BB0275
Filtration surface EU3	cm ²	72600
Weight	Kg	322



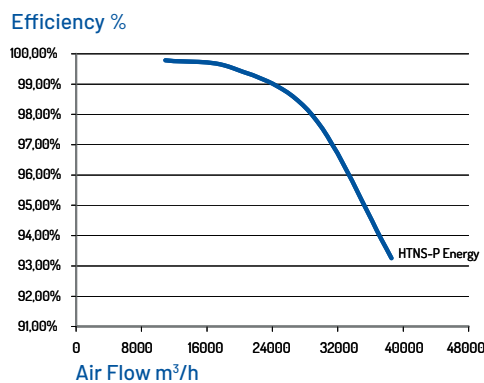
(1) Instrumental efficiency measured on spectrum of $5 \div 0.3 \mu\text{m}$ with DOE system as reported on C.N.R certification, 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).

MODEL M3-03



	M4D-04 NTA	M4D-04 NTB	M4DL-04 NTA	M4DL-04 NTB
Airflow m ³ /h	9600 / 28800	19200 / 38600	9600 / 2880	19200 / 38600
Total efficiency ⁽¹⁾	99,20 / 98,60	99,50 / 93,20	99,20 / 98,60	99,50 / 93,20
Pressure	20 / 75	45 / 115	20 / 75	45 / 115
Voltage	230/50	230/50	230/50	230/50
Weight	435	435	435	435
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Power consumption	0,96	0,96	0,96	0,96
Fabric prefilters type PFO G200 mod. 115/3	16	16	16	16
Steel mesh prefilter mod. 115/3	16	16	16	16
Electrostatic filters mod. 115/3D	16	16	-	-
Electrostatic filters mod. 115/3D oil	-	-	16	16
Number of discharge electrodes	48	48	48	48
Capture surface mq	86,6	86,6	80,25	80,25
Flow section mq	2,712	2,712	2,3792	2,3792
Pollutant accomulation capacity ⁽²⁾	2560 g	2560 g	2560 g	2560 g
Type of panel	Compact6i	Compact6i	Compact6i	Compact6i

FILTERS INSTALLED		
Electrostatic filters 115/3D	16	cod. B00458
Industrial prefilter 115/3	16	cod. B00758
Prefilters PFO G200 115/3	16	cod. BB0275
Filtration surface EU3	cm ²	96800
Weight	Kg	435



(1) Instrumental efficiency measured on spectrum of 5 ÷ 0.3 µm with DOE system as reported on C.N.R certification. 591/87 and ILH of the University of Berlin.
 (2) Maximum quantity of accumulation pollutant on the filter (reference: welding smoke).



BETTER AIR FOR A BETTER QUALITY OF LIFE

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