

2018
SELECTED PRODUCT COLLECTION



TEHN  **FILTER**
air purification solutions



clean and healthy work environment

BURA 120

TEHNOFILTER
air purification solutions

MLA

2



PRODUCT SPECIFICATION

HIGH PRESSURE MOBILE FILTER UNIT - BURA 120

- designed for extracting the fume generated during welding
- exceptionally strong and ideal use for welding fume extraction at source
- extraction of the welding fume is carried out through the welding gun

VISOKOTLAČNA MOBILNA FILTERSKA JEDINICA - BURA 120

- za odsisavanje štetnih plinova i dima nastalih zavarivanjem
- izuzetno snažna filterska jedinica idealna za lokalno odsisavanje dima kod zavarivanja
- izvlačenje dima za zavarivanje vrši se preko pištolja za zavarivanje

MINI SPECIFICATION/ KARAKTERISTIKE

Nominal fan power/ Nominalna snaga ventilatora	1,1 kW
Power supply/Napajanje	230 V, 50/60Hz,
Nominal air flow/Nominalni protok zraka	120 Nm ³ /h
Torch extractor/Gorionik za odsis	320A/550A
Gas cooled/Water cooled	3m/4m/5m
Filtering material/Filtracijski materijal	PTFE
Filtering surface/Površina filtera	10 m ²
Quick coupler/Brza spojnica	G 1/2"
Compressed air/Radni tlak	5 bara
Control/Upravljanje	hand/ručno
Cartridge cleaning system/ Sustav čišćenja	Pulse Jet
Oxygen-free hose/Odsisni priključak	D.50 mm with quick coupling 5m optimal 10m
Size/Veličina	0.55x0.55x1.1 m
Weight/Težina	120 kg



PRODUCT SPECIFICATION

MOBILE LIGHT AIR FILTER UNIT - MLA 1.1

- mobile filtration unit for dust and fume extraction during welding process
- used when central extraction unit is not economically justified
- equipped with 3 stage filtration system and Anti Spark Filter Cell filter media
- the extraction arm flexible in all directions/360 degree rotation product

Optional accessories

- different type and length of the extraction arm
- VFD for airflow regulation

MOBILNI „LIGHT AIR“ FILTER - MLA 1.1

- za odsisavanje štetnih plinova i dima kod zavarivanja
- koristi se kada nije ekonomski opravdana instalacija centralne filterske jedinice
- opremljen sustavom trostruke filtracije i sustavom protiv iskrenja
- odsisna ruka fleksibilna je u svim smjerovima/mogućnost rotacije za 360 stupnjeva

Dodatna oprema

- različita dužina odsisne ruke
- Frekventni pretvarač za regulaciju protoka

MINI SPECIFICATIONS/KARAKTERISTIKE

Rated motor power/Snaga motora	1,1 kW 230/400/50/IE2
Maximal airflow/Protok zraka	1.500 m ³ /h
Cleaning/Čišćenja filterske patrone	Manual/ručno
Sound Level/Bučnost	≥ 78 db(A)
Fume temperature/Temperatura dima	Max 80°C
Compressed air needed for cleaning/ Potreban pritisak zraka	4 - 5 bar
Weight/Težina	135 kg

**PRODUCT SPECIFICATION****MOBILE FILTER UNIT - PRIME**

- compact mobile filtration unit for dust and fume extraction during welding process
- PTFE membrane cartridge filter for ultra fine dust filtration
- deliver standard with flexible extraction arm total length 2m
- suitable for use in processing high alloy steels (Cr-Ni) according to DIN EN ISO 15012-1

Optional accessories

- different type and length of the extraction arm
- Pulse Jet cleaning system

MOBILNA FILTERSKA JEDINICA - PRIME

- kompaktna mobilna filterska jedinica za odsis čestica i dimova nastalih postupkom zavarivanja
- PTFE membranski filter uložak za filtraciju ultra finih čestica
- isporučuje se s fleksibilnom odsisnom rukom dužine 2 m
- pogodna za upotrebu kod obrade visoko legiranih čelika (Ci-Ni) prema DIN EN ISO 15012-1

Dodatna oprema

- razne dužine odsisnih ruku
- Pulse Jet sustav čišćenja komprimiranim zrakom

MINI SPECIFICATIONS/KARAKTERISTIKE

Motor power/Snaga motora	1,1 kW
Power supply/Napajanje	400V/50Hz
Capacity/Kapacitet	1500 m ³ /h
Filter surface/Površina filtera	10 m ²
Cleaning catridge/ Čišćenja filterske patrone	Manual (Pulse Jet Optional)
Air/Tlak	5 - 6 bar

**PRODUCT SPECIFICATION****PRIME PLUS EXTRACTION FILTER**

- mobile extraction filter with timed, automatic filter cleaning system for high levels of smoke and dust and permanent use
- the PTFE membrane filter cartridge for ultra - fine dust Unit separates particles even below 0.1 µm
- main purpose of unit is for extraction of dust from grinding and welding of metal parts
- on back side of unit there is working table for grinding
- side panels are swivable, so its possible to extend working area
- unit have 2 manual dampers, where its possible to redirect unit to work for welding or grinding mode

PRIME PLUS ODSISNI FILTER

- mobilna filter jedinica za stalnu upotrebu kod visokih razina dima i prašine s vremenskim, automatskim sustavom za čišćenje
- PTFE membranski filterski uložak za ultrafinu prašinu odvaja čestice čak i ispod 0,1 µm
- glavna svrha uređaja je izvući prašinu kod brušenja i zavarivanja metalnih dijelova
- na stražnjoj strani jedinice nalazi se radni stol za brušenje
- bočne ploče su okretne, tako da je moguće proširiti radni prostor
- jedinica ima 2 ručne zaklopke, čime je moguće uređaj transformirati za rad kod zavarivanja ili brušenja

MINI SPECIFICATION/KARAKTERISTIKE

Motor power/Snaga motora	1,1 kW
Power supply/Napajanje	400V/50Hz
Capacity/Kapacitet	1500 m ³ /h
Filter surface/Površina filtera	10 m ²
Cleaning catridge/ Čišćenje filterske patrone	Pulse jet
Air/Tlak	5 - 6 bar



PRODUCT SPECIFICATION

CARTRIDGE FILTER UNIT FOR LASER, PLASMA AND WELDING FUMES

- filtered air can be recycled into the work area and achieve an energy saving effect
- designed and produced according to DIN EN ISO 15012-1
- compact design - fan inside filter unit housing
- housing made from sheet metal panels
- filtering cartridges from high quality 100% polyester PTFE
- filtering unit equipped with compressed air tank and automatic cleaning system - Pulse Jet

Optional accessories

- Variable Frequency Drive - airflow regulation
- automatic start / stop

FILTERSKA JEDINICA SA PATRONOM ZA ODSISAVANJE KOD PLAZMA, LASERSKOG I PLINSKOG REZANJA, TE ZAVARIVANJA

- mogućnost vraćanja zraka u radni prostor - značajna ušteda energije
- dizajnirano i izrađeno u skladu sa DIN EN ISO 15012-1
- vrlo su kompaktnog i robusnog dizajna, a ventilator za odsis smješten je u samom kućištu filterske jedinice
- kućiste je izrađeno od profiliranih panela
- visoko kvalitetnog materijala 100% Polyester PTFE
- jedinica je opremljena spremnikom komprimiranog zraka i automatskim sustavom čišćenja - Pulse Jet

Dodatna oprema

- frekventna regulacija protoka zraka
- automatsko pokretanje

MINI SPECIFICATIONS/KARAKTERISTIKE

Nominal fan power/ Nominalna snaga ventilatora	2,2 - 22 kW *
Power supply/Napajanje	400V - 50Hz
Number of filtering cartridges/ Broj patrona	3 - 9 *
Nominal air flow/Nominalni protok zraka	2.200 - 12.500 m ³ /h
Compressed air/Komprimirani zrak	5 bar
Sound Level/Bučnost	< 78 dbA
Cartridge cleaning system/Sustav čišćenja	Pulse Jet
Weight/Težina	565 - 1100 kg *

* vary depending on the model



PRODUCT SPECIFICATION

MS FILTER TOWER

- designed for effective welding fume extraction in production facilities
- intended for extracting contaminant-laden air when welding large or complex metal parts for which smoke capture is not practical
- the fine particles are separated by dust class M filter cartridges
- the filters are cleaned automatically during operation/pulse-jet cleaning
- MS filter tower is set up at the centre of the work area.
- smoke-laden ambient air is suctioned at the top of the device from the overall surroundings
- cleaned and routed draft-free back into the hall from several opening on the side
- MS filter tower systems are delivered Plug & Play ready to work and eliminate expensive installations

MS TORANJ ZA PROČIŠĆAVANJE ZRAKA

- za učinkovitu ekstrakciju dima nastalog zavarivanjem u proizvodnim pogonima
- za pročišćavanje zagađenog zraka nastalog pri zavarivanju velikih ili složenih metalnih dijelova
- sitne čestice prašine odvajaju se filterskom patronom M razreda
- filteri se čiste automatski tijekom rada
- MS toranj se postavlja u središtu radnog područja
- zrak se usisava na vrhu uređaja iz cjelokupnog okoliša
- pročišćeni zrak vraća se u radni prostor kroz nekoliko otvora na bočnim stranama jedinice
- MS toranj isporučuje se spreman za rad "Plug & Play" čime se isključuje skupa instalacija

MINI SPECIFICATIONS/KARAKTERISTIKE

Motor	7,5 - 18,5 kW
Power supply/Napajanje	400V - 50Hz
Maximal airflow/Protok zraka	10.000 - 20.000 m ³ /h
Dust drawer/Spremište prašine	100 - 130 l
Sound Level/Bučnost	≥ 75 db(A)
Weight/Težina	1200 - 1600 kg *

* vary depending on the model



PRODUCT SPECIFICATION

MODULAR CARTRIDGE FILTER UNIT

- ideal for metal, chemical and food industries
- prevent the exposure of harmful substances in the working environment
- produced in various sizes, optimal capacity from 1,100 - 66,000 m³/h
- housing made of high-quality galvanized sheet
- Pulse Jet cleaning system
- timer and digital different pressure cleaning control
- Dust disposal containers of different sizes
- modular design

MODULARNA FILTERSKA JEDINICA SA PATRONAMA

- za primjenu u metalnoj, kemijskoj i prehrambenoj industriji
- sprječava izloženost štetnih tvari u radnoj okolini
- proizvodi se u različitim veličinama, optimalnog kapaciteta od 1,100 - 66,000 m³/h
- kućište je izrađeno od visoko kvalitetnih profiliranih panela
- Pulse Jet sustav čišćenja komprimiranim zrakom
- čišćenje patrona vremenski i preko digitalnog mjerenja diferencijalnog tlaka
- spremnik prašine različitih dimenzija
- modularni dizajn

MINI SPECIFICATIONS/KARAKTERISTIKE	
Optimal air flow/Protok zraka	1110 - 66000 m³/h *
Number of filtering cartridges/ Broj patrona	2 - 40 *
Total filtering surface / Ukupna površina filtriranja	36 - 720 m2
Dust bin/Spremište prašine	100 - 4 X 100 L *
Compressed air tank working pressure/ Radni tlak spremnika zraka	5 bar
Cartridge cleaning system/Sustav čišćenja	Pulse Jet
Weight/Težina	374 - 4312 kg *

* vary depending on the model



PRODUCT SPECIFICATION

VERTICAL CARTRIDGE FILTERS

- ideal for metal, chemical and food industries
- prevent the exposure of harmful substances in the working environment
- different size and capacity of the unit on request
- Pulse Jet cleaning system
- time control and differential pressure control of dedusting
- Dust disposal containers different sizes

FILTERSKA JEDINICA SA VERTIKALNIM PATRONAMA

- za primjenu u metalnoj, kemijskoj i prehrambenoj industriji
- sprječava izloženost štetnih tvari u radnoj okolini
- različite veličine i kapacitet na zahtjev
- Pulse Jet sustav čišćenja komprimiranim zrakom
- čišćenje patrona vremenski i preko digitalnog mjerenja diferencijalnog tlaka
- spremnik prašine različitih dimenzija





PRODUCT SPECIFICATION

CYCLO FILTER UNIT

- new generation of dust collector for potentially combustible dust
- used to enhance air quality released from industrial processes
- comply with the ATEX Directive
- Pulse Jet cleaning system
- electronic controller for sequence cleaning
- easy cartridge replacement due rotating top chamber
- designed for dust class St2

CIKLO FILTERSKA JEDINICA

- nova generacija skupljača prašine za potencijalno zapaljivu prašinu
- za poboljšanje kvalitete zraka onečišćene industrijskim procesima
- u skladu s ATEX Direktivom
- sustav čišćenja Pulse Jet
- elektronički kontroler slijeda za čišćenje patrona
- jednostavna zamjena patrone zbog rotirajuće gornje komore
- namijenjen za klasu prašine St2



MINI SPECIFICATIONS/KARAKTERISTIKE

Airflow /Protok zraka	1500 - 5400 *
Number of filtering cartridges/ Broj patrona	2 - 6 *
Cartridge cleaning system/ Sustav čišćenja	Pulse Jet
Weight/ Težina	550 - 700 kg *

* vary depending on the model



PRODUCT SPECIFICATION

HIGH PRESSURE CYCLO-FILTER UNIT

- designed with the benefits of cyclone and cartridge filters
- 2-stage filtration system
- first phase is separation of the large particles with centrifugal force through cyclone housing
- second phase is high-efficiency dust classification through cartridge filter
- dust disposal bin located beneath the filter cone

Optional

- different type of cartridges
- different volume of the dust bin
- Noise silencer

VISOKOTLAČNA CIKLO FILTERSKA JEDINICA

- značajke ciklona i filterske jedinice sa patronom
- 2-stupanjski sustav za filtraciju
- u prvoj fazi razdvajanje velikih čestica centrifugalnom silom kroz ciklonsko kućište
- u drugoj fazi visokoučinkovito odvajanje prašine preko filterskih patrona
- spremnik prašine u donjem dijelu konusne jedinice

Dodatna oprema

- različiti tip patrona
- opcionalni volumen spremnika za prašinu
- prigušivač buke





PRODUCT SPECIFICATION

WATER FILTER

- the suction material is drawn by force through the water
- this causes the dust to be encapsulated by the water and then separated from the air supplied
- the dust gets through the water taken up and falls to the bottom of the wet filter and come there right in the shelves
- the dust remains under water, leaving no explosive gases originate
- this type of extractor is also suitable for sticky substances and materials that spark when working
- the fire hazard is excluded from a wet filter

VODENI FILTER

- usisni materijal se izvlači silom kroz vodu
- na taj način se prašina kapsulira vodom i odvaja od zraka
- prašina prolazi kroz vodu koja se nakuplja i pada na dno vodenog filtera
- prašina ostaje pod vodom, ne ostavljajući eksplozivne plinove iza sebe
- ova vrsta ekstrakta je također prikladna za ljepljive tvari i materijale koji iskre tijekom rada
- pri korištenju vodenog filtera eliminira se opasnost od požara

MINI SPECIFICATION/KARAKTERISTIKE

MODEL	3500 SC	5000 SC	7500 SC
Motor power/ Snaga motora	3kW	5,5kw	7,5kw
Power supply/ Napajanje	400v/50Hz	400v/50Hz	400v/50Hz
Nominal air flow/ Nominalni protok zraka	3500 Nm ³ /h	5000 Nm ³ /h	7500
Weight/Težina	500 kg	970 kg	1100kg



PRODUCT SPECIFICATION

HANGING FILTER UNIT - TFV 1.1

- for the extraction of harmful fumes generated by welding
- ideal when you need a smaller unit and when it is possible to mount the unit on the wall
- according to DIN EN ISO 15012-1
- PTFE membrane cartridge filter for ultra fine dust filtration
- Possibility of installing two extraction arms on a single unit

VISEĆA FILTERSKA JEDINICA - TFV 1.1

- za odsisavanje štetnog dima nastalog zavarivanjem
- jedinica malih dimenzija pogodna za ugradnju na zid
- izrađena u skladu sa DIN EN ISO 15012-1
- PTFE membranski filter uložak za filtraciju ultra finih čestica
- Mogućnost ugradnje dvije odsisne ruke na jednu filtersku jedinicu



MINI SPECIFICATIONS/KARAKTERISTIKE

Nominal fan power/ Nominalna snaga ventilatora	1, 1 - 2, 2 kW *
Airflow / Protok zraka	1.500 - 2.200 m ³ /h
Number of filtering cartridges/ Broj patrona	1
Cleaning / Čišćenja filterske patrone	Manual/ručno
Sound Level / Bučnost	≥ 78 db(A)
Dimensions/Dimenzije	768 - 1250 mm *
Weight/ Težina	< 100 kg

* vary depending on the model



PRODUCT SPECIFICATION

GRINDING TABLES

- can be used in grinding, welding and sticking processes
- must be connected to a central exhaust system
- dust drawer is located in the bottom of the table
- side panels can be dissolved for extension of workspace
- available in various sizes

STOL ZA BRUŠENJE

- može se koristiti u procesu brušenja, zavarivanja i lijepljenja
- mora biti spojen na središnji odsisni sustav
- ladica za prašinu nalazi se na dnu stola
- bočna vrata mogu se otvoriti zbog produženje radnog prostora



MINI SPECIFICATION/KARAKTERISTIKE

Airflow /Protok zraka	1000 - 4000 m ³ /h *
Average pressure drop/ Prosječan pad tlaka	390 - 590 Pa *
Width of the working space/Veličina	800 x 800 - 800 x 2400 mm *
Dust container/Spremište prašine	190 - 3 x 190 l *
Weight/Težina	180 - 440 kg *

* vary depending on the model



PRODUCT SPECIFICATION

GRINDING TABLES WITH FILTRATION

- for extraction and filtration, maintaining high industry standards of filtration efficiency
- self cleaning units
- remove fumes and particles from workers breathe zone through the working surface
- centrifugal fan installed in the housing itself guarantee high flow rated quality extraction
- filter cartridges and centrifugal fan installed in the housing
- no need for additional ducting and additional extraction unit
- easily maintained and transportable
- dust drawers installed at the bottom of the table
- side panels can be opened for extension of workspace

STOL ZA BRUŠENJE SA FILTRACIJOM

- za ekstrakciju i filtriranje, održavanje visokih industrijskih standarda učinkovitosti filtracije
- sustav samočišćenja
- uklanjanje pare i čestice iz radnog prostora kroz radnu površinu
- centrifugalni ventilator ugrađen u kućište jamči visoku kvalitetu usisavanja čestica
- nema potrebe za dodatnim kanalima i dodatnom ekstrakcijskom jedinicom
- lako održavanje i transport
- ladice za prašinu postavljene na dno stola
- bočna vrata mogu se otvoriti za produženje radnog prostora

MINI SPECIFICATION/KARAKTERISTIKE

Nominal fan power/ Nominalna snaga ventilatora	2,2 - 4 kW *
Power supply/Napajanje	400V - 50 Hz
Nominal air flow/Nominalni protok zraka	2200 - 4200 Nm ³ /h
Number of filtering cartridges / Broj patrona	1 - 2 *
Dust container/Spremište prašine	38 - 111 l
Compressed air tank working pressure/ Radni tlak kompresorskog tanka	5 bar
Sound Level/Bučnost	< 78 dbA
Cartridge cleaning system/ Sustav čišćenja	Pulse Jet
Weight/Težina	250 - 650 kg *

* vary depending on the model



PRODUCT SPECIFICATION

SPARK ARESTER

- Spark Buster spark separator reliably prevents sparks coarse particles and even cigarette butts from entering the filter system - with nearly 99,9 percent efficiency
- by attaching this pre-separator, filter life is also increased by up to 300 percent

Optional

- spark detection - increases safety by allowing the filter unit to be switched off automatically when a limit value has been exceeded

HVATAČ ISKRI

- "Spark Buster" hvatač iskri pouzdano sprječava iskrenje grubih čestica, pa čak i ulazak opušaka za cigarete u sustav filtra - s gotovo 99,9 posto učinkovitosti
- priključenjem ovog separatora trajanje i dužina rada filtera povećava se do 300 posto

Dodatna oprema

- senzor za otkrivanje iskri - povećava sigurnost dopuštajući automatsko isključivanje filtarske jedinice kada se prekorače granične vrijednosti



PRODUCT SPECIFICATION

OIL MIST FILTER

- oil mist separators are usually installed directly on the processing machine and connected via flexible hose
- designed with two phase filtration
- effectively absorbs any mist, lubricant and smoke which occurring during the machining process
- filtered out lubricant can be returned to the machine or drained to the collector
- highly effective air filter, allows the return of filtered air to the working area

FILTER ZA ULJNU MAGLICU

- separatori uljne maglice uglavnom se ugrađuju izravno na stroj za obradu i spajaju se pomoću fleksibilne cijevi
- dizajniran je s dvije faze filtracije
- učinkovito apsorbira svaku maglu, mazivo i dim koji se javljaju tijekom procesa obrade
- filtrirano mazivo može se vratiti u stroj ili ispustiti u spremnik za sakupljanje
- visoko učinkovit filter zraka omogućuje povrat filtriranog zraka u radni prostor



MINI SPECIFICATIONS/KARAKTERISTIKE

Air flow rate (max.)/Protok zraka	2,500 - 12,500 m ³ /h
Pressure drop/Pad tlaka	max. 700 Pa
Dust collection container/ Kapacitet kontejnera za prašinu	30 l
Weight/Težina	120 - 250 kg

MINI SPECIFICATION/KARAKTERISTIKE

Power/Snaga	1,1 kW 230/400V IE2
Airflow/Protok zraka	2.880 m ³ /h
Total filtering surface/ Površina filtriranja	6,5 m ²
Weight/Težina	70kg



PRODUCT SPECIFICATION

EXTRACTION HOOD

- the exhaust hood for welding can be configured in a number of sizes
- due to the innovative air flow principle, the hood requires only a low flow rate to operate effectively
- flexible set-up options
- for instance mounting on stands in the room suspended from the ceiling or integrated into a movable robot gantry

ODSISNA HAUBA

- odsisna hauba za zavarivanje može se isporučiti u različitim dimenzijama i veličinama
- zahvaljujući inovativnom načelu protoka zraka, hauba traži malu brzinu protoka kako bi učinkovito funkcionirala
- fleksibilne opcije postavljanja (moguće postavljanje na stalke na stropovima ili ugradnja u mobilno robotsko postolje)



PRODUCT SPECIFICATION

EXTRACTION ARMS

- flexible exhaust arms is used in welding
- arms commonly in use are with diameter 150 mm for wall or trolley mounting
- small pressure drops
- efficiently cover the workspace
- different types of extraction arm

Optional accessories

- LED light and flow regulation damper
- start / stop control box
- Centrifugal fan
- Wall mounting bracket

ODSISNA RUKA

- fleksibilna odsisna ruka koristi se u zavarivanju
- najčešće su u uporabi ruke promjera 150 mm za zidnu, te montažu na mobilnu jedinicu
- mali padovi tlaka
- učinkovito pokrivanje radnog prostora
- različiti tipovi odsisnih ruku

Dodatna oprema

- LED svjetlo i zaklopka za regulaciju protoka
- start / stop upravljačka kutija
- centrifugalni ventilator
- Nosač za zidnu montažu

MINI SPECIFICATIONS/KARAKTERISTIKE

Diameter/Promjer	150 mm
Length of arm/Dužina ruke	2 - 4 m *
Airflow / Protok zraka	up to/do 1600 m3/h

* vary depending on the model



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TEHN  **FILTER**
air purification solutions
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