



DPF PARTICULATE CLEANING MACHINES



www.dpfmac.com

The part that filters particulates which occur in the exhaust gas as a result of combustion process in diesel cars is termed as particulate filter. Its function is to reduce exhaust particulate emission by removing particulates from the exhaust gas.

Diesel Particulate Filter has been designed to capture exhaust soot and harmful gases which arise from combustion in cars with diesel engine and to store all harmful matters in order to contribute to a cleaner nature. Particulate filter is used in all diesel-engine cars in order to meet emission regulations by reducing exhaust emissions and particulates such as hydrocarbons (HC) and carbon monoxide (CO) in this system that is designed in line with European standards. The purpose of this system is to ensure that exhaust gas has lower emission value by filtering particulates.

It leads to reduced performance of the car, it reduces motor propelling force and wheel idling cycle is increased. It causes overconsumption of fuel. It changes smell of exhaust as it is emitted from exhaust pipe. Filter damages the engine when it is attached. Clogged diesel particulate filter causes air and environmental pollution. Therefore it is essential that Diesel Particulate Filter (DPF) be cleaned in case of any failure.

Reduces the performance of the vehicle, the vehicle falls out of traction. Idling circuit increases. Fuel consumption occurs with more. It exits the exhaust outlet in the form of white steam and the smell of the exhaust changes. The filter damages the engine when clogged. A clogged diesel particulate filter pollutes the air and the environment. Therefore, it is important to clean the vehicle when a particle filter (DPF) malfunction occurs.

When the Diesel Particulate Filter is clogged, the DPF warning light on the vehicle instrument panel also lights up, alerting the driver. If DPF warning light is on, it shows DPF catalytic converter should be cleaned or is clogging up due to short-distance / low-speed driving.

First of all, the purpose of the system is to reduce carbon release harmful to the environment from vehicle exhausts. Catalytic converter (catalyst) or particle filter, designed to render harmful substances in the exhaust gas released from the combustion chamber in the engine harmless, it is often a part added to the exhaust pipe immediately after the manifold. The exhaust gases passing through the catalytic converter, which are made of ceramics and whose pores are coated with materials providing catalytic effect, react in the special ceramic structure inside the catalytic converter and turn into harmless substances.

Substances entering the catalyst as NO_x (nitrous oxide), CO (carbon monoxide) and HC (hydrocarbons) are released into the air from the exhaust as N₂ (nitrogen), CO₂ (carbon dioxide) and H₂O (water, steam) harmless to living things as a result of the reaction. In other words; the catalytic converter is a combustion chamber. It burns unburned toxic gases without flame, turning them into nitrogen, oxygen and water vapor and releases it into the atmosphere. It is designed to capture particulates or soot particles in diesel vehicles, especially in engines that comply with Euro 4,5,6 norms.

In addition, some vehicles have exhaust gas recirculation called EGR. It is a part that should not be neglected as it has an important place in the healthy operation of the engine. The institutions accumulated in the channels through which the exhaust gas passes can be cleaned and the valve can be used again. However, as a result of excessive contamination, this layer of soot can harden and petrify in some places.



This petrification, even at the micron level, may interfere with proper operation if it is in the opening and closing part of the valve and may cause evasion. Therefore, it is important to perform particle cleaning.

The three precious metals are used as catalysts for all these operations.

Platinum : It provides oxidation.

Radium : To reduce the converter.

Palladium : It is used to provide stabilization.

Operating range : It is 480 – 650 Celsius.

Converter life : 150.000 km. (average value)

Vehicles that have failed to pass vehicle inspection controls in the world and in our country in recent periods, either they're illegally removing the catalytic converter from their vehicle or they may have to buy catalytic converters again by paying high prices. The most effective method for DPF cleaning operations is to remove the particle filter. Cleaning machines and additives are available for this. The particle filter is removed and attached to the particle cleaning machines. Your particle filter is 100% cleaned by applying chemical drugs and compressed air.

By combining our patented machine, whose design belongs to our company, with a special formula solvent, we clean the clogged catalytic converter or particle filter in a very short time.



A sustainable world for our children
to let go ...



PRIME XL 2500

Our cabin model is produced for DPF filters, catalytic converter cleaning of all brands and models from the smallest vehicle to heavy vehicles. Thanks to its strong and reassuring structure, the internal and external parts of our machine, which is designed to serve you for many years without any problems, are made of 304 stainless steel including the engine. All parts are manufactured with equipment that has proven itself in the international sector and we have gained experience. Thanks to the renewed and improved software, you can automatically perform clean water intake, testing, reporting and washing with regulated air. No installation required. It provides 100% cleaning of all particle filters such as automobile, light commercial, truck, marina, train, ship, generator. In this air-supported model, 380 volt electricity and air from an 8 bar compressor are sufficient for operation. Due to its test

feature, it offers the opportunity to test the clogged DPFs before and after cleaning and report to our customers. It offers the capability of filtering the particles coming out of the cleaned filter through the filter inside the machine. With Android software, we can be with our customers remotely in software. Thanks to the renewed and improved software, all the settings you will need are at your fingertips. Thanks to the simple usage menu, temperature setting, language setting (Turkish, English, German, French, Romanian, Dutch), 'washing time, test time air setting can be adjusted as desired. All necessary spare parts and connection adapters are included.



MAIN FEATURES OF THE MACHINE

- Manual parts washing and cleaning feature.
- Detailed cleaning with washing gun and special nozzle head feature.
- Particle and catalyst connection up to 180 cm.
- Mounting apparatus up to every size and diameter.
- Ability to adjust the water flow rate with automatic electric valve.
- Water flow power max. 0-16 bar feature.
- Tank and water level control system with sensor.
- Resistance protection sensor.
- 380 volt AC operation.
- Working with compressor between 8-10 bar.
- Ability to expel the softened pollution during cleaning with air support.
- Automatic clean water filling feature.
- Air testing and reporting feature.



TECHNICAL SPECIFICATIONS

- Easy to use menu.
- Manual operation feature.
- 8000W redundant water and chemical heating resistance.
- Low water warning.
- 6 languages (Turkish, German, English, French, Romanian, Dutch)
- Fully 304 stainless steel case, filter, pump and fittings
- Ability to adjust the air according to demand during washing.
- Washable and reusable nature friendly filter system.
- Separate engine power options for automobiles and heavy vehicles.
- Adjustable heat setting.
- Adjustable working time
- Audible start and end warning.
- 100 lt. stainless water tank.
- Adjustable conditioner air inlet
- Various connection elements (exhaust connection elements, flanged exhaust apparatus, optional hose types in different sizes)
- Euro6 filter apparatus with pneumatic piston.
- Pneumatic pedal movable compression head.
- Crushing vertical adjustable stainless pump.

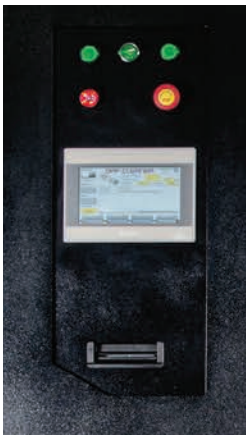
External Dimensions

Width 235 cm
Depth 122 cm
Height 200 cm

Interior Dimensions

Width 165 cm
Depth 120 cm
Height 145 cm

Weight 650 kg
Operating Voltage 380V
Stainless Water Pump 5.5 KW
5.5 Hp - 50 Hz. 2900Min.



SPEED XL **2500**

Our cabin model is produced for the cleaning of DPF filters and catalytic converters of all brands and models, from the smallest vehicle to heavy vehicle. Thanks to its strong and reassuring structure, our machine, which is designed to serve you for many years without any problems, is made of 304 stainless steel, including the engine, internal and external parts. All of its parts are produced with the equipment that we have proven and experienced in the international sector. Thanks to its renewed and improved software, you can automatically take clean water, test, report and wash with adjusted air. Does not require installation. It provides 100% cleaning of all particulate filters such as cars, light commercials, trucks, marinas, trains, ships and generators. 380 volt electricity and air coming from 8 bar compressor is enough for this air-supported model to work. Thanks to its test feature, it provides the opportunity to test and report the clogged DPFs before and after cleaning. Thanks to the filter inside the machine, it offers the feature of filtering the particles coming out of the cleaned filter. With Android software, we can be with our

customers remotely. Thanks to its renewed and improved software, all the settings you will need are at hand. With the simple usage menu, washing time, test time, temperature setting, language setting (English, French, German and Turkish), air setting can be adjusted as desired. It comes with all necessary spare parts and connection adapters.



MAIN FEATURES OF THE MACHINE

- Particle and catalyst binding feature up to 180 cm.
- Connecting apparatus up to any size and diameter.
- Feature of adjusting the water flow rate with automatic electric valve.
- Water flow power max. 0-16 bar feature.
- Tank and water level control system with sensor.
- Resistance protection sensor.
- 380V AC operation.
- Working with a compressor between 8-10 bar.
- Ability to throw out the pollution that has softened during cleaning with air support.
- Automatic clean water filling feature.
- Air test and reporting feature.





TECHNICAL SPECIFICATIONS

- Easy to use menu.
- Manuel use feature.
- 8000W redundant water and chemical heating resistor.
- Low water alert.
- Usage in 4 languages (English, French, German and Turkish).
- Fully 304 stainless steel case, filter, pump and fittings.
- Ability to adjust the air optionally during washing.
- Washable and reusable environmentally friendly filter system.
- Separate engine power options for cars and heavy vehicles.
- Adjustable heat settings.
- Adjustable working time.
- Audible start and end warning.
- 100 lt. stainless water tank.
- Adjustable conditioning air inlet.
- Various connection elements (exhaust fittings, flanged exhaust apparatus, optional hose types in different sizes)
- Pneumatic piston Euro6 filter apparatus.
- Pneumatic pedal pivoting compression head.
- Crushing vertical adjustable stainless pump.
- Adjustable air strike syste

External Dimensions

Width	182 cm
Depth	105 cm
Height	200 cm

Internal Dimensions

Width	150 cm
Depth	100 cm
Height	142 cm

Weight 650 kg
 Operating Voltage 380V
 Stainless Water Pump 4 KW
 5,5 Hp - 50 Hz. 2900Min.



SPEED 2500

Our cabin model is produced for the cleaning of DPF filters and catalytic converters of all brands and models, from the smallest vehicle to heavy vehicle. Thanks to its strong and reassuring structure, our machine, which is designed to serve you for many years without any problems, is made of 304 stainless steel, including the engine, internal and external parts. All of its parts are produced with the equipment that we have proven and experienced in the international sector. Thanks to its renewed and improved software, you can automatically take clean water, test, report and wash with adjusted air. Does not require installation. It provides 100% cleaning of the particle filters of vehicles such as cars and light commercial vehicles. 380 volt electricity and air coming from 8 bar compressor is enough for this air-supported model to work. Thanks to its test feature, it provides the opportunity to test and report the clogged DPFs before and after cleaning. Thanks to its filtering feature, it

offers the feature of filtering the resulting particles. With the Android software with multiple language options (English, German, French and Turkish), remote air adjustment can be adjusted as desired. It comes with all necessary spare parts and connection adapters.



MAIN FEATURES OF THE MACHINE

- Particle and catalyst binding feature up to 150 cm.
- Connecting apparatus up to any size and diameter.
- Feature of adjusting the water flow rate with automatic electric valve.
- Water flow power max. 0-12 bar feature.
- Tank and water level control system with sensor.
- Resistance protection sensor.
- 380V AC operation.
- Working with a compressor between 5-10 bar.
- Air test and reporting feature.
- Automatic clean water filling feature.



TECHNICAL SPECIFICATIONS

- Easy to use menu.
- Manuel use feature.
- 7500W redundant water and chemical heating resistor.
- Low water alert.
- Usage in 4 languages (English, French, German and Turkish).
- Fully 304 stainless steel case, filter, pump and fittings.
- Washable and reusable environmentally friendly filter system.
- Ability to adjust the air optionally during washing..
- Adjustable heat settings.
- Adjustable working time.
- Audible start and end warning.
- 60 lt. stainless water tank.
- Adjustable conditioning air inlet.
- Various connection elements (exhaust fittings, flanged exhaust apparatus, optional hose types in different sizes)
- Pneumatic pedal pivoting compression head.
- Crushing stainless pump.

External Dimensions

Width	138 cm
Depth	105 cm
Height	200 cm

Internal Dimensions

Width	105 cm
Depth	100 cm
Height	142 cm

Weight 400 kg
Operating Voltage 380V
Stainless Water Pump 1.5 KW
2 Hp - 50 Hz. 2900Min.



LINE 2100

Our machine is produced to clean the clogged diesel particle filters, catalytic converters and all filters found in diesel vehicles. It has a very simple use thanks to its ergonomic and portable structure. It provides 100% cleaning of all particulate filters up to all the automobiles and the light commercials. The engine and all working equipment of it are made of 304 stainless steel. 220 volt electricity and air coming from 8 bar compressor is enough for this air-supported model to work. Thanks to its software, washing time, air setting, heat setting and language settings (English-Turkish) can be adjusted as desired. It comes with all necessary spare parts and connection adapters.



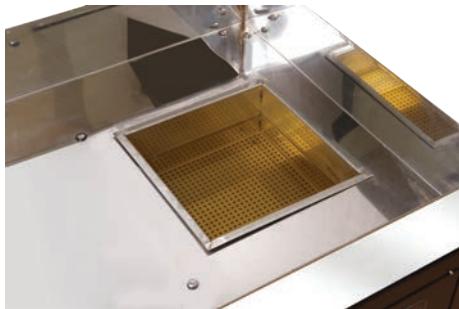
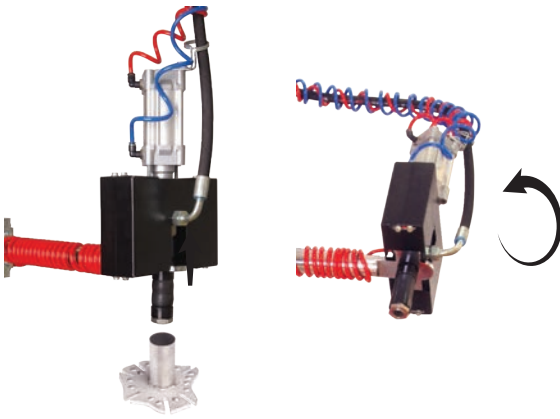


TECHNICAL SPECIFICATIONS

- Complete stainless steel internal fasteners.
- Stainless 14 lt. water reservoir.
- 4500W redundant heat resistor.
- Easy to use pneumatic particle filter holder.
- Right - left, up - down moving head.
- Conditioned adjustable air inlet.
- Pneumatic mechanical protection cage.
- Adjustable air strike ssytem.

External Dimensions

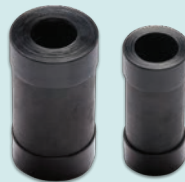
Width 90 cm
Depth 75 cm
Height 65 cm
Installed Height of the machine 200 cm
Weight 110 kg
Operating Voltage 220V
Motor power 1.5 Hp



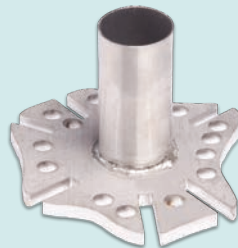
Spare Parts



Filter bag



Flange pipe



Mounting flange



Particles
Cleaner



Radiator
Cleaner

CERTIFICATES

FQC STANDARD

UYGUNLUK SERTİFİKASI
CERTIFICATE OF COMPLIANCE

Sertifika No. : S23-035
Certificate No.

Sertifika Sahibi Adı ve Adresi
Name and Address of Certificate Owner

Üretici Adı ve Adresi
Name and Address of Manufacturer

Ürün Adı
Product Name

Ticari Marka
Trademark

Ürün Tipi
Product Type

Uygulanan Yönetmelik/ler
Applied Directive/s

Uygulanan Standart/ler
Applied Standard/s

Rapor No.
Report No.

CINAR MAKİNA HATEM ERDEMİR ŞEKER
DUDULLU OSB MAH. İMES SANAYİ SİT. 402. SK. D BLOK NO:1 ÜMRANİYE/İSTANBUL

CINAR MAKİNA HATEM ERDEMİR ŞEKER
DUDULLU OSB MAH. İMES SANAYİ SİT. 402. SK. D BLOK NO:1 ÜMRANİYE/İSTANBUL

PARTİKÜL TEMİZLEME MAKİNASI

DPMAC

LINE 2100, SPEED 2500, SPEED 2500 XL

2006/42/AT Makine Emniyeti Yönetmeliği-2014/35/EU Alçak Gerilim Yönetmeliği
2006/42/EC Machinery Directive- 2014/35/EU Low Voltage Directive

EN ISO 12100:2010, EN 60204-1:2018,
EN ISO 13857:2019, EN 547-1+A1:2014

L-2023-023

FQC STANDARD yukarıda uygunluk değerlendirmesi için sunulan tipin 2006/42/AT Makine Emniyeti Yönetmeliği EK-1 Temel Sağlık Güvenlik Gereklilikleri ve 2014/35/AB Alçak Gerilim Yönetmeliğine uygun olduğunu referans içeren rapor ile onaylar. Bu uygunluk sertifikası imalatçının uygunluk beyan düzenleme ve diğer ilgili yönetmeliklere uyuma zorunluluğunu ortadan kaldırmaz. Bu uygunluk sertifikası imalatçının istediğine bağlı düzenlenmiştir.

İmalatçı, uygunluk sertifikası, AT uygunluk beyan ve elektrikli teknik dokümantasyonu ile birlikte, yasal otoriteler tarafından talep edildiğinde sunumak üzere, ürünü pazara sunduktan itibaren on yıl boyunca saklamalıdır. İmalatçı, ilgili yönetmeliğin gerekliliklerine göre üretim ve yönetimin temel sağlık ve güvenlik gereklilikleri karşılayan yukarıda belirtilen tipin uygunluğunda olan her bir ürüne CE işaretini ilgilendirebilir.

FQC STANDARD confirms type which is mentioned above according to the Annex I Essential Health and Safety Regulations of 2006/42/EC Machinery Directive and 2014/35/EU Low Voltage Directive with inspection report. This certificate of compliance does not abrogate the compulsory of the manufacturer to issue declaration of conformity. Other relevant directives have to be observed. This certificate was issued on voluntary basis of manufacturer.

The manufacturer shall keep copy of certificate of compliance, EU declaration of conformity, its annexes and additons together with technical documentation at the disposal of national authorities for ten years after the product has been placed on the market. The manufacturer shall affix the CE marking to each individual product that is in conformity with the type described in this certificate of compliance and satisfies the applicable requirements of related directive.

Sertifika Yayın Tarihi
Certificate Issue Date : 22.02.2023

Sertifika Geçerlilik Tarihi
Certificate Expiry Date : 21.02.2028

ÖMER FARUK RUTLU
Belgelendirme Müdürü

FQC STANDARD UYGUNLUK DEĞERLENDİRME A.Ş.

0216 255 55 99

İçerenköy Mah. Bahçeleraşısı Sk.
No: 43 Kat: 14/A Atayefi / İSTANBUL

Sayfa 1/1

**EN ISO 12000- EN 60204-1/A1
EN ISO 13857 - EN 547-1+A1**

Sertifika
Certificate

DSR CERTIFICATION

ÇINAR MAKİNA - HATEM ERDEMİR ŞEKER

İMES SANAYİ SİT. 402. SK. D BLOK NO:1 OSB DUDULLU - ÜMRANİYE / İSTANBUL

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu İş Sağlığı ve Güvenliği Yönetim Sisteminin is audited by DSR Certification and applied Occupational and Safety Management System meet the requirements of

ISO 45001:2018

standartına aşağıdaki kapsamda uymakta olduğu görülmüştür.
standard for the following activities.

MAKİNE ÜRETİMİ
PRODUCTION OF MACHINE

Sertifika No / Certificate No: ISO-20.01.368

28.12.2023
Sertifika Tarihi
Certificate Date

27.12.2024
Sertifika Geçerlilik Tarihi
Certificate Expiry Date

3 Yıl/Years
Belgelendirme Periyodu
Certification Period

DSR CERTIFICATION

ONAY
APPROVAL

DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.

Yayımlanış Mah. Servis Sk. Hattı Boyut Ofis 2/1 A Blok No:207 PERKOR / İSTANBUL / TÜRKİYE Tel: +90 216 800 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

ISO 45001:2018

Sertifika
Certificate

DSR CERTIFICATION

ÇINAR MAKİNA - HATEM ERDEMİR ŞEKER

İMES SANAYİ SİT. 402. SK. D BLOK NO:1 OSB DUDULLU - ÜMRANİYE / İSTANBUL

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu Çevre Yönetim Sisteminin is audited by DSR Certification and applied Environmental Management System meet the requirements of

ISO 14001:2015

standartına aşağıdaki kapsamda uymakta olduğu görülmüştür.
standard for the following activities.

MAKİNE ÜRETİMİ
PRODUCTION OF MACHINE

Sertifika No / Certificate No: EMS-20.01.368

22.01.2020
Sertifika Tarihi
Certificate Date

28.12.2023
Sertifika Son Başım Tarihi
Certificate Last Issue Date

27.12.2024
Sertifika Geçerlilik Tarihi
Certificate Expiry Date

3 Yıl/Years
Belgelendirme Periyodu
Certification Period

EA Kotevika Code: 18

DSR CERTIFICATION

ONAY
APPROVAL

IAF

IAS

DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.

Yayımlanış Mah. Servis Sk. Hattı Boyut Ofis 2/1 A Blok No:207 PERKOR / İSTANBUL / TÜRKİYE Tel: +90 216 800 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

ISO 14001:2015

Sertifika
Certificate

DSR CERTIFICATION

ÇINAR MAKİNA - HATEM ERDEMİR ŞEKER

İMES SANAYİ SİT. 402. SK. D BLOK NO:1 OSB DUDULLU - ÜMRANİYE / İSTANBUL

DSR BELGELENDİRME tarafından denetlenmiş ve uygulamakta olduğu Kalite Yönetim Sisteminin is audited by DSR Certification and applied Quality Management System meet the requirements of

ISO 9001:2015

standartına aşağıdaki kapsamda uymakta olduğu görülmüştür.
standard for the following activities.

MAKİNE ÜRETİMİ
PRODUCTION OF MACHINE

Sertifika No / Certificate No: QMS-20.01.368

22.01.2020
Sertifika Tarihi
Certificate Date

28.12.2023
Sertifika Son Başım Tarihi
Certificate Last Issue Date

27.12.2024
Sertifika Geçerlilik Tarihi
Certificate Expiry Date

3 Yıl/Years
Belgelendirme Periyodu
Certification Period

EA Kotevika Code: 18

DSR CERTIFICATION

ONAY
APPROVAL

IAF

IAS

DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.

Yayımlanış Mah. Servis Sk. Hattı Boyut Ofis 2/1 A Blok No:207 PERKOR / İSTANBUL / TÜRKİYE Tel: +90 216 800 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

ISO 9001:2015





ÇINAR MAKİNA

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