

Technical Data MF-Grinder



MF-Grinder with Jet-Pulse Cleaning and Fluorescent Light.

- Complete Welding/Grinding Downdraft Filter-Table for Clean Air.
- Suitable for filtration of Light Fume and Dust.
- The built in Jet-Pulse Cleaning System, for the F9 Filter-Cartridge, can clean the cartridge up to 100 times before it needs to be replaced.
- Equipped with 2 Spark Trap Containers for Water or Sand.
- Dust Tray at the bottom.
- Initial Extraction volume 1400-1800m³/h.
- Clean Air Outlet Downwards at the Bottom of the Unit.
- 1-Phase or 3-Phase models.
- 6mm thick Steel Table Surface.

*Use Google Translate to translate to your own language. translate.google.com

General Information.

MF-Grinder with Jet-Pulse Filter Cartridge Cleaning.

Complete Welding/Grinding Booth - Ready to use!

MF-Grinder is a complete working booth. Just plug it into the wall and start to weld/grind. It is a working booth with side walls and 6mm heavy duty steel table (900x600mm) with a built-in down draft grid which exhausts 2000m³/h. The fume or dust is filtrated and goes back into the room cleaned. The filter cartridge is equipped with Jet-Pulse pneumatic cleaning system which is switched on from the front side. The fan has an aluminium impeller.

Flouroscent Light, WeldingGun HolderandEarth Connection.

MF-Grinder is as standard equipped with a strong Flourscent lamp. It has a welding gun holder and a connection for the earth cable from the welding machine.

Combined Water/Sand Spark Trap.

MF-Grinder is equipped with an expansion chamber and two water/Sand filters that filters away the larger particles and in a safe way takes care of sparks!



Filter Cartridge with Jet-Pulse Cleaning.

The filter cartridge of MF-Grinder is efficiently cleaned by the built in Jet-Pulse pneumatic cleaning system, No expensive exchange filters needed. The cleaning process is initiated from the front side. It is very efficient and cleans the filter cartridge in less than two minutes. For safety reasons, the dust-bin should be emptied after every cleaning.



Legs or Wheels.

MF-Grinder is as standard equipped either with 125mm legs or Castors with Brakes. With castors MF-Grinder can easily be moved around to where it is best needed.



	Art. No.
MF-Grinder with light and legs 125mm 1,1kW/1Phase/230V/50Hz	P-565
MF-Grinder with light and legs 125mm 1,1kW/3Phase/400V/50Hz	P-566
Mobile MF-Grinder with light and wheels 1,1kW/1Phase/230V/50Hz	P-567
Mobile MF-Grinder with light and wheels 1,1kW/3Phase/400V/50Hz	P-568
Replacement F9 filter cartridge (9m ²) Polyester.	P-541

Safety Note.

Always disconnect the electricity supply before opening the MF-Grinder.

Don't exhaust Sparks or Poisenous Dust.

Use adequate safety clothing when replacing dirty filters.

Dispose of used Filters according to local laws and regulations.

Range of Application.

The MF-Grinder is designed for work situations where smaller amounts of Dust, Welding Fume or other Dry Pollutants are generated. The F9 Filter-Cartridge has a filtration efficiency of over 99%. The filtered air can be recirculated into the the room as long as it is not against local laws and regulations.

Unit discription.



Jet-Pulse Cleaning System.

JET-Pulse Cleaning System

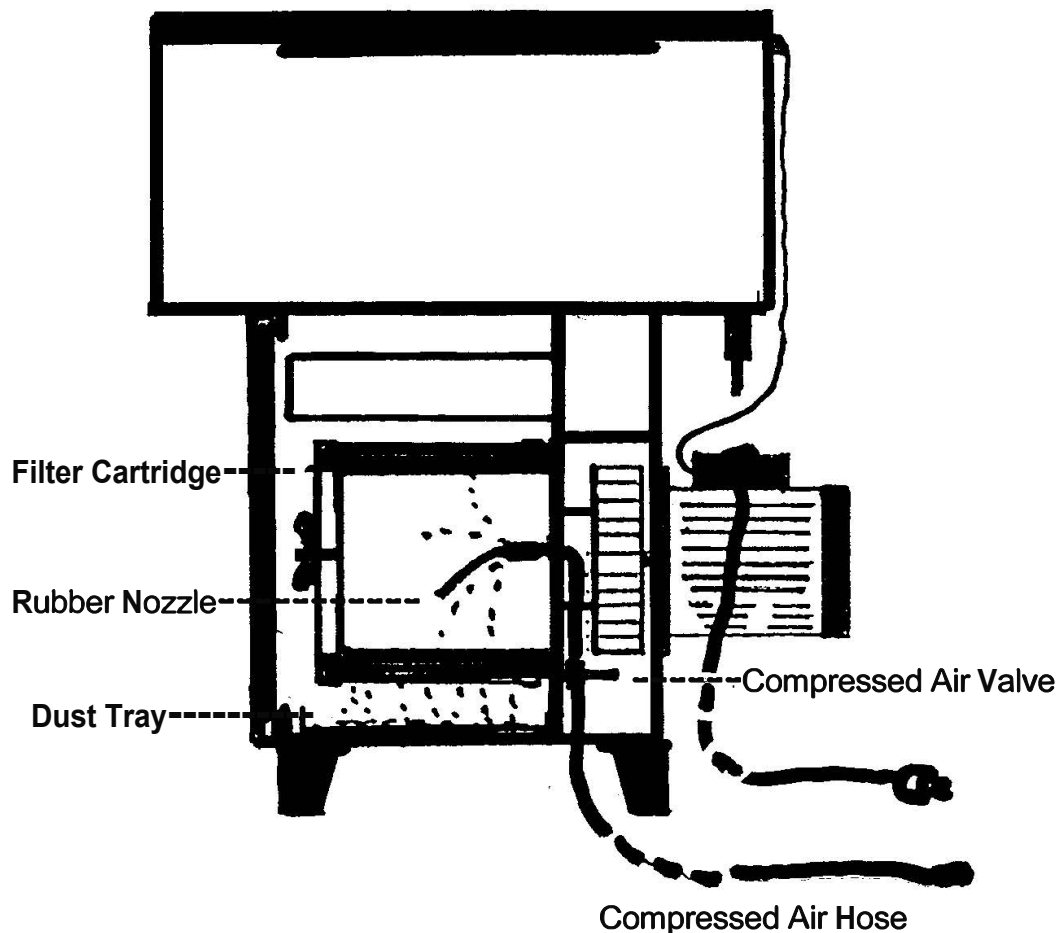
The **Jet-Pulse cleaning** system is developed in the United states for cleaning of filter cartridges. It is considered better than ordinary "Back-Pulse" cleaning systems. The **Jet-Pulse cleaning** is faster and more efficient.

The heart of the **Jet-Pulse cleaning** system is a specially designed oscillating rubber nozzle. It is oscillating under 6 Bar compressed air pressure inside the filter cartridge. It is hammering the inside of the filter cartridge so that dust on the surface is falling off. At the same time it is blowing out the fine dust which has penetrated the surface of the filter cartridge. The result is a cartridge as clean as new.

Explosion safety.

To minimise the risk of explosions in a filter unit many countries have now laws saying you have to empty the dust bin after every cleaning. The CF-ECO Extracor-Filter Units with built in **Jet-Pulse Cleaning** Systems have all a lightweight dustbin which is very handy and fast to empty after the cleaning process.

As an extra safety feature all ECO Filter units have the electrical parts outside the unit to avoid that electricity gets in contact with dust or gas.



Installation.

The MF-Grinder 1-Phase is delivered assembled and ready for use and comes with an 1-phase 4m electric cable with plug.

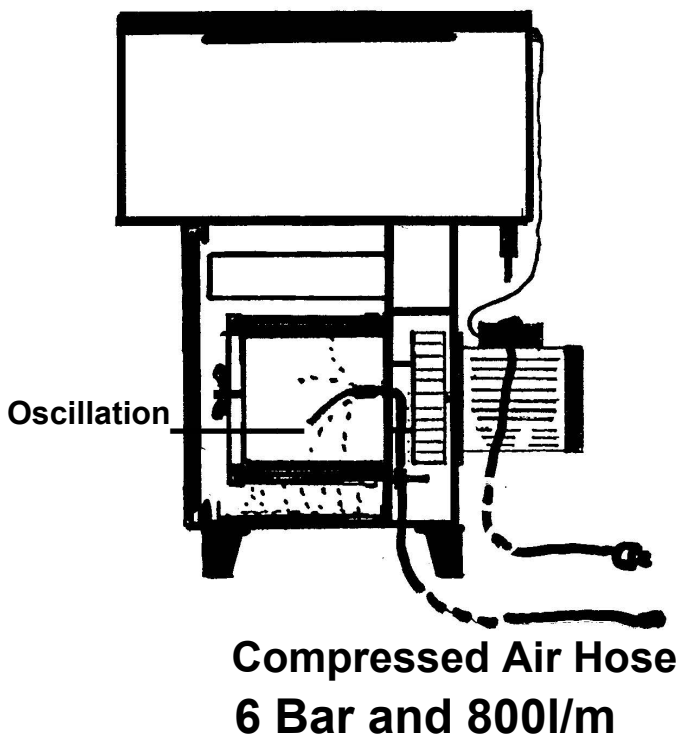
The MF-Grinder 3-phase is delivered assembled but without electric cable and plug. A certified electrician has to do the mounting of a cable and plug

Just mount a compressed air connector on the supplied compressed air hose for the built in cleaning system and it is ready for use.

Compressed Air Supply for Jet-Pulse Cleaning.

Constant 6 Bar pressure is recommended for a efficient cleaning. Not under 5.5 Bar and not over 6.5 Bar. The air supply has to maintain around 800l/m of reasonably clean and dry air. Oil and/or water will reduce lifetime of the filter.

Test that the cleaning system is working correctly by connecting the enclosed compressed air hose to a compressed air system. Open the valve on the front side of the MF-Grinder 5-100 seconds. You should hear a vigorous "Jet-Pulse" ascillation from the filter unit all the time. If you don't hear the oscillation you have to check that it is between 5.5-6.5 Bar by a airvolume of 800l/m.





Declaration of conformity

We, J. Plymoth AB, declare under our sole responsibility that the product lines **MF-F9/HEPA, MF-Active Carbon, MF-HEPA/W3 18M2, MF-Eco/F9, MF-Eco/HEPA, MF-Filter-Tables, MF-Eco Filter-Tables, MF-Grinder, FK-Mesa Backdraft Filter-Tables, MKF Filter-Tables, Labbe, CF-Lab, CF-Eco Lab, CF Central Filters, Mobo-Oil, Denta-Flex, Fica-Flex and VBF-Office** to which this declaration relates is in conformity with Directives 2006/42/EC, 2014/30/EU, 2011/65/EU and Standards EN 60204-1:2006, EN ISO 12100:2010, EN ISO 15012-1:2013, EN 61000-6-2005, EN 61000-6-3:2007, EN ISO 20607:2019.

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