



USER GUIDE



MiJET™
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Product of:



USER GUIDE



EASY TO GET STARTED

- Ready to use with one existing air line.
- Minimal maintenance required.

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MiJET User Guide

Description

MiJET™ is designed to clean parts and capture residue with one easy touch, keeping the work area and surrounding air clean.

The air nozzle is used to blow residue down into the inlet tube, while simultaneously creating suction. This will pull chips and lubricant into the container below.

The captured residue can be recycled ... saving money on expensive lubricants and help to reclaim more chips instead of covering the floor.



Needed

A MiJET unit comes with a 1/4" FNPT fitting for connecting to an existing shop air line. A high-flow quick-connect adaptor can be attached for ease of use, however, to ensure a sufficient air supply we recommend connecting into the main air supply without any restrictions, such as a quick connect.

It is also recommended to utilize a 3/8" diameter air hose from the main line to supply the MiJET. A smaller diameter, coiled air line, or a line that is too long might not provide an optimum air supply.

Safety Instructions

Please read user guide carefully before installing.

Disconnect the air supply if the unit is taken apart for recycling of coolant, retrieval of parts, or any other maintenance.

****NOT FOR USE WITH HIGHLY FLAMMABLE LIQUIDS****

Replacement Parts

13-035		Low-Noise Air Nozzle by Silvent
13-006		Custom MiJET Filter, for 8" models only 8" H x 13.63" dia.
13-028		Air Nozzle by Prevost, OSHA Compliant 8.0" x 4.25" x 1.0"
13-029		Spiral air hose with swivel end fitting 13 ft. x 1/4" MNPT, 5/16" ID
13-030		Bucket - Steel with rust-inhibitor interior 13.38" H x 11.75" dia.
13-033		O-Ring Kit Viton, 70 durometer
13-032		T-Handle Knob Nylon with Aluminum insert
13-057*		High-Flow Quick Disconnect - Body
13-058*		High-Flow Quick Disconnect - Plug

Optional Accessories

- 13-034  MiJET Dolly—5 wheels with 2 locking wheels
16" x 15.5" x 7"
- 13-024  Stainless Steel Parts Basket - 1/8" mesh,
with 2 handles for flat top model
13.0" x 7.25" x 5.0"
- 13-036  Stainless Steel Parts Basket - fine mesh, with
2 handles for flat top model
13.0" x 7.25" x 5.0"
- 13-039  Stainless Steel Parts Basket - fine mesh,
with 1 handle for angled top model
13.0" x 7.25" x 5.0"
- 13-046  Stainless Steel Parts Basket - 1/8" mesh,
with 1 handle for angled top model
13.0" x 7.25" x 5.0"
- 13-038  Non-metallic basket liner
For use inside SS basket to keep soft parts
from getting damaged.
- 13-044  Air Deflector, for use with any 8" model.
15" H x 7.5" dia.

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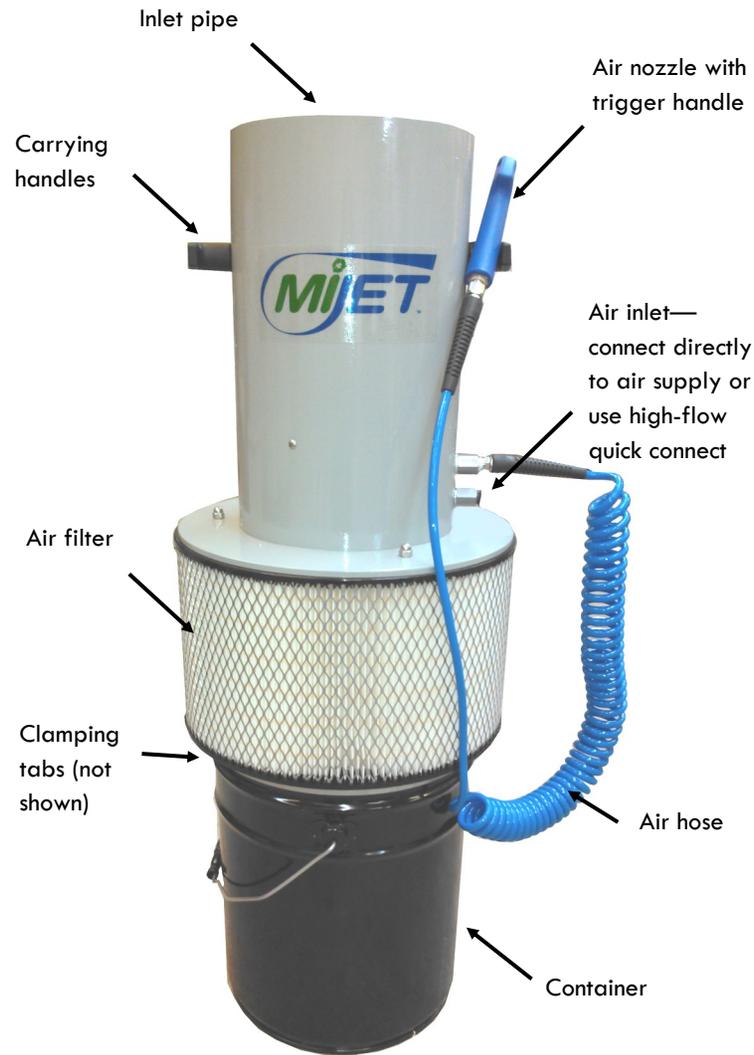
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MiJET Diagram



Troubleshooting

Q: The part is blown off and the air nozzle is not in use, but the motor runs for an extended amount of time.

- A: There are Viton O-rings that need to stay lubricated, try adding air tool oil, refer to the maintenance steps on page 6.
- B: Check for air leaks at air nozzle hose connections and air nozzle itself. Replace leaking components if needed. Contact us for replacement air gun.

Q: The air motor sounds like it runs slower than when the unit was brand new.

- A: Try adding air tool oil, refer to the maintenance steps on page 6.

Q: The suction is reduced from when the unit was brand new.

- A: Try adding air tool oil, refer to the maintenance steps on page 6.
- B: Check filter and if oil-soaked or dirty, it is time to replace the filter. Contact us for replacement filter.

Q: The blow off pressure has decreased while using the air nozzle.

- A: Ensure all fittings and connections are correct, if so, try connecting the MiJET to the air supply line without use of any quick-disconnect fitting.
- B: Try connecting an airline from the main air supply to the MiJET with a large enough diameter (3/8") air hose to supply enough CFM to the unit.
- C: Try removing the blue air nozzle and replace with the operators' usual air nozzle often creates familiarity with usual process of blowing off parts.

Installing the Air Deflector



Figure 12

1. Using a 7/32 Allen key, unscrew the black screws from each handle, as seen in Figure 12.
2. Take each screw and handle off of the unit.



Figure 13

3. Place the air deflector into the MiJET. Try to line-up the hole on the air deflector (Figure 13) with the hole on the MiJET.



Figure 14

4. Insert the screw through the air deflector and then through the MiJET.
5. Tighten both screws with the 7/32 Allen key. Hold the black plastic handle while tightening to ensure the correct handle orientation of the T-Handle.
6. Repeat the same procedure for the second screw on the opposite side. The final product should look like the MiJET picture in Figure 14.

Air supply

In order to optimize the performance of the MiJET consider the following:

The air hose to the MiJET should be as short as practical and at least 3/8 inch diameter, (larger is better).

- Low pressure at the air nozzle can be the result of too small diameter or too long air hoses from main air supply.
- Coiled air hoses from the main air supply to the MiJET are not recommended.

Low pressure can also be the result of restrictive quick connects.

- Having two common hardware store quick connects in line with the MiJET can reduce the MiJET air nozzle pressure by 30%.
- If quick connects are needed, use high flow quick connect such as MiJET accessory #13-057 Coupler body, and #13-058 Coupler plug. See accessory page 15 for further description.



High-flow Quick Disconnect



Straight hose supplies the MiJET with compressed air.

Instructions

1. Remove MiJET from box.
2. Remove the plastic protector from the lower fitting shown in Figures 1a and 1b.



Figure 1a



Figure 1b

3. Screw airline directly into the MiJET fitting (1/4" FNPT) as seen in Figures 2a.
- Monthly oiling of contained air motor is required. See Maintenance section.
 - If a quick connect is needed, we suggest using a high-flow quick-disconnect adaptor for easy disconnection during maintenance. See page 15 for recommended connections.



Figure 2a



Figure 2b

Maintenance

5. Reassemble bucket lid adapter with three (3) nuts, taking care not to over tighten and crush the filter shown in Figure 10.



Figure 10

6. Place the top assembly onto the container.
7. Center it and align the gray plastic ring seen in Figure 10 with the black container lip in Figure 11.
8. Close the two (2) tabs on each side of the bucket to maintain the seal.

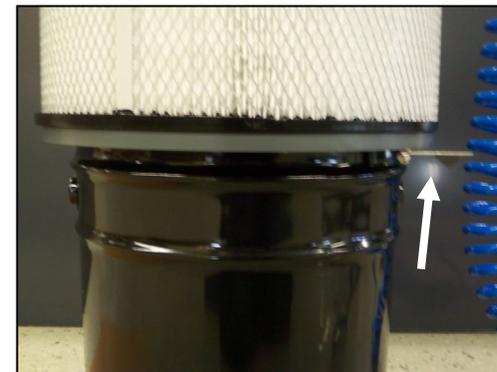


Figure 11

Maintenance

3. Remove three (3) nuts seen in Figure 8 from bucket filter adapter.



Figure 8

4. Lift up the bucket filter adapter (seen at bottom of picture, the gray plastic ring) and remove filter seen on the left in Figure 9a. Replace with a new filter, re-assemble as shown, over the three threaded rods in Figure 9b.



Figure 9a



Figure 9b

Instructions

4. Attach a shop air hose to the adapter as shown in Figure 2b.
- Air supply should be capable of 35 CFM at 90 PSI and be filtered.
 - MiJET can be installed down the line from an oiler.

5. Hold the part to be cleaned as far as possible into the opening of the MiJET, see Figure 3.



Figure 3

6. Pull air nozzle trigger and blow off air starts, along with suction.

- Air can be applied as long as necessary to clean coolant and chips away.

7. Captured coolant can be returned to machine reservoir as shown in Figure 4.

- Disconnect air supply before removing container.
- Filter as necessary per company policy.



Figure 4

Maintenance

After 5000 parts cleaned or monthly:

1. **Disconnect shop air supply and place 10 drops of air tool oil into the air hose fitting of the MiJET Figure 5.**

2. **Captured coolant can be returned to machine reservoir after disconnecting the air supply.**

- *Filter coolant as necessary per company policy.*



Figure 5

Maintenance

Once per year or as necessary:

Replace MiJET filter, P/N 13-006, per the following instructions.

1. **Disconnect shop air supply and unlatch the two metal tabs as seen in Figure 6.**



Figure 6

2. **Remove MiJET top assembly and place upside down as shown in Figure 7.**



Figure 7