



USER GUIDE



MiJET™
www.mijet.com

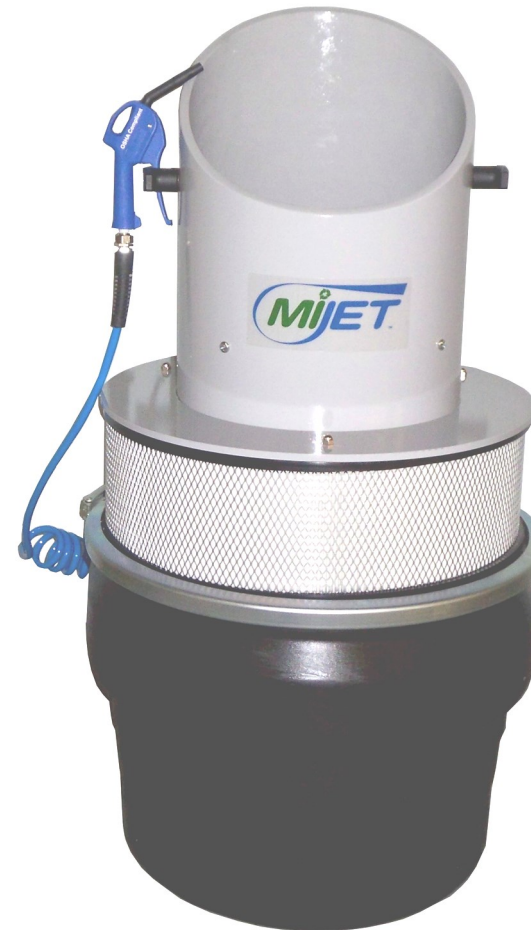
For technical questions:
Phone: 585-637-3760
Email: technical@mijet.com or visit www.mijet.com

For sales questions contact:
Jeff Gagnon
VP of Sales
MiJET Division of Custom Service Solutions, Inc.
Phone: 585-472-6294
Fax: 207-345-3171
Email: jeff@mijet.com

Product of:



USER GUIDE



EASY TO GET STARTED

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

Date: 12/15/2014

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 3/8" 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 will 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****



MiJET—Angled 12" diameter model

Part Number: 15-12SX-20FT

- Extra wide access for large parts.
- Includes Prevost OSHA compliant air nozzle* and 13 ft. spiral hose with swivel end fitting. 40" H x 22" dia.

*Pictured model contains a low-noise Silvent nozzle (optional accessory)



MiJET—Angled 12” diameter model

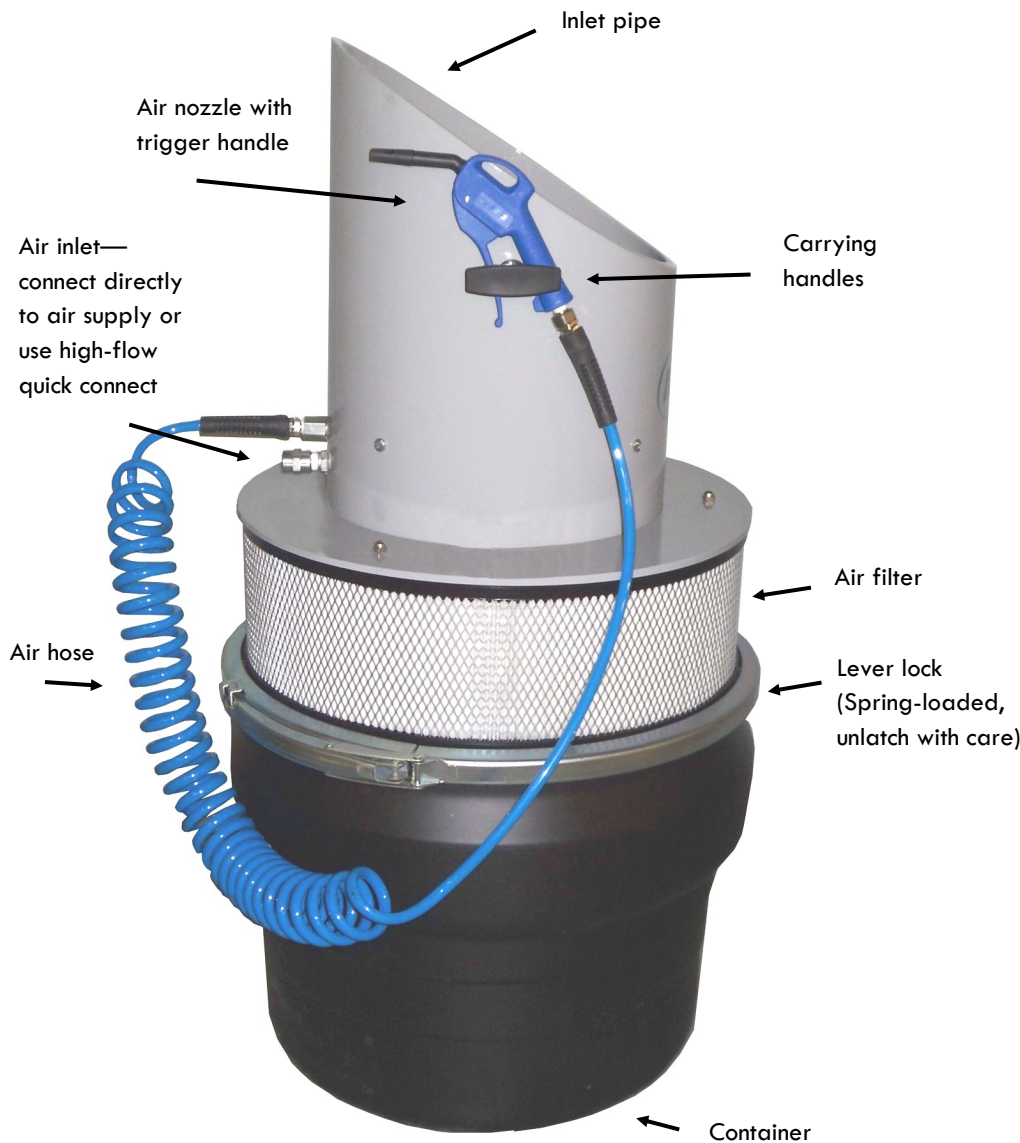
Part Number: 15-12SX-20ANG

- Extra wide access for large parts.
- Includes Prevost OSHA compliant air nozzle and 13 ft. spiral hose with swivel end fitting. 40” H x 22” dia.

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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.

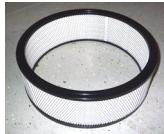
Replacement Parts

13-035



Low-Noise Air Nozzle by Silvent

13-041



Custom MiJET Filter, for 12" models only
6" H x 19.25" 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

13-066



UN Rated Black Plastic Drum
16.1" H x 20.4" dia.

13-032



T-Handle Knob
Nylon with Aluminum insert

13-067*



High-Flow Quick Disconnect - Body

13-068*



High-Flow Quick Disconnect - Plug

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%.
- A high flow quick connect (#13-067 Coupler body, and #13-068 Coupler plug) are included with this 12" model.



High-flow Quick Disconnect



Straight hose supplies the MiJET with compressed air.

Instructions

1. Remove MiJET from box.
2. Screw airline directly into the provided high-flow quick disconnect (3/8" MNPT) as seen in Figures 1a.
- Monthly oiling of contained air motor is required. See Maintenance section.

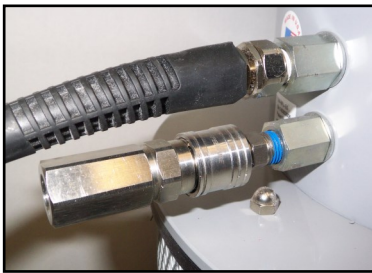


Figure 1a

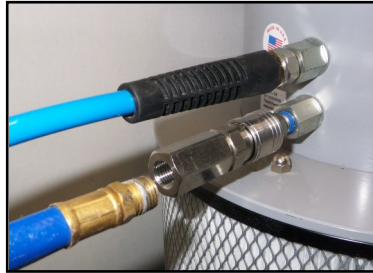


Figure 1b

3. Attach a shop air hose to the adapter as shown in Figure 1b.
- Air supply should be capable of 45 CFM at 90 PSI and be filtered.
 - MiJET can be installed down the line from an oiler.
4. Hold the part to be cleaned as far as possible into the opening of the MiJET, see Figure 2.
5. 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.



Figure 2

Maintenance

8. Reassemble bucket lid adapter with three (3) nuts, taking care not to over tighten and crush the filter shown in Figure 13.



Figure 13

9. Place the top assembly onto the container.
10. Center it and re-align the ring seen in Figure 14 around the drum.
11. Close the lever lock and re-install the air line.



Figure 14



Figure 15

Maintenance

6. Remove the used filter from the MiJET by lifting the filter up, the assembly will then look like Figure 11. Leave the stand-off rods as they are.



Figure 11

7. Replace with a new filter, re-assemble as shown, over the three threaded rods in Figure 12.

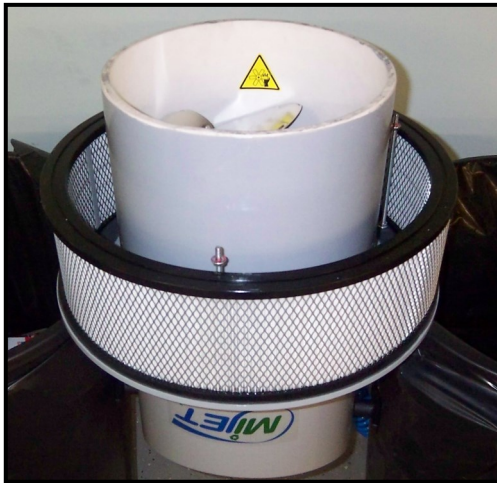


Figure 12

Instructions

6. Captured coolant can be returned to machine reservoir as shown in Figure 3 by dumping into a smaller bucket and then into the reservoir.
 - *Disconnect air supply before removing container.*



Figure 3

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 13-041, per the following instructions.

1. **Disconnect shop air supply. Unlatch the lever lock at the top of the drum, seen in Figure 6.**



Figure 6

2. **Pull the spring-loaded lever away from the bucket, as seen in Figure 7. Stand clear of this lever as it springs open.**



Figure 7



Figure 8

3. **Pull the level all the way open to enable the ring to slide off of the rim as shown in Figure 8.**

Maintenance

4. **Remove MiJET top assembly and place upside down as shown in Figure 9.**



Figure 9

5. **Remove the three (3) nuts seen in Figure 10 from the drum filter adapter.**



Figure 10