

# JET-KLEEN™

Safe Personnel Blow-Off Gun & Drying System



## Installation & Operation Manual

### MODELS:

|          |           |
|----------|-----------|
| JK-FFP1  | JK-WTB1F  |
| JK-FFP1V | JK-WTB1FV |
| JK-FFP2  | JK-WTB2F  |
| JK-FFP2V | JK-WTB2FV |



A Product of

**SPECIALIZED SAFETY PRODUCTS**

A Division of The A.W.T. World Trade Group



**TABLE OF CONTENTS**

|                                       |   |                                       |    |
|---------------------------------------|---|---------------------------------------|----|
| <b>Overview &amp; Features</b> .....  | 3 | <b>Variable Speed Control</b> .....   | 6  |
| <b>Safety Precautions</b> .....       | 4 | <b>Replacement Parts</b> .....        | 6  |
| Owner's Responsibilities .....        | 4 | <b>Replacement Parts Photos</b> ..... | 7  |
| Portable Jet-Kleen Unit .....         | 4 | <b>Technical Information</b> .....    | 7  |
| Electrical Safety .....               | 4 | Models and Specifications .....       | 8  |
| General Safety .....                  | 4 | Government Regulations .....          | 8  |
| Wall-mounted Jet-Kleen Unit .....     | 4 | PSI Specifications .....              | 8  |
| Electrical Safety .....               | 4 | Electrical Specifications .....       | 8  |
| General Safety .....                  | 4 | Space Requirements .....              | 8  |
| Replacement Parts .....               | 4 | Portable models .....                 | 8  |
| <b>Installation &amp; Setup</b> ..... | 5 | Wall models .....                     | 8  |
| Gun Assembly Attachment .....         | 5 | Velocity .....                        | 8  |
| Filter Replacenet .....               | 5 | Noise Level .....                     | 8  |
| <b>Timer Control</b> .....            | 5 | <b>Warranty</b> .....                 | 10 |



## OVERVIEW & FEATURES

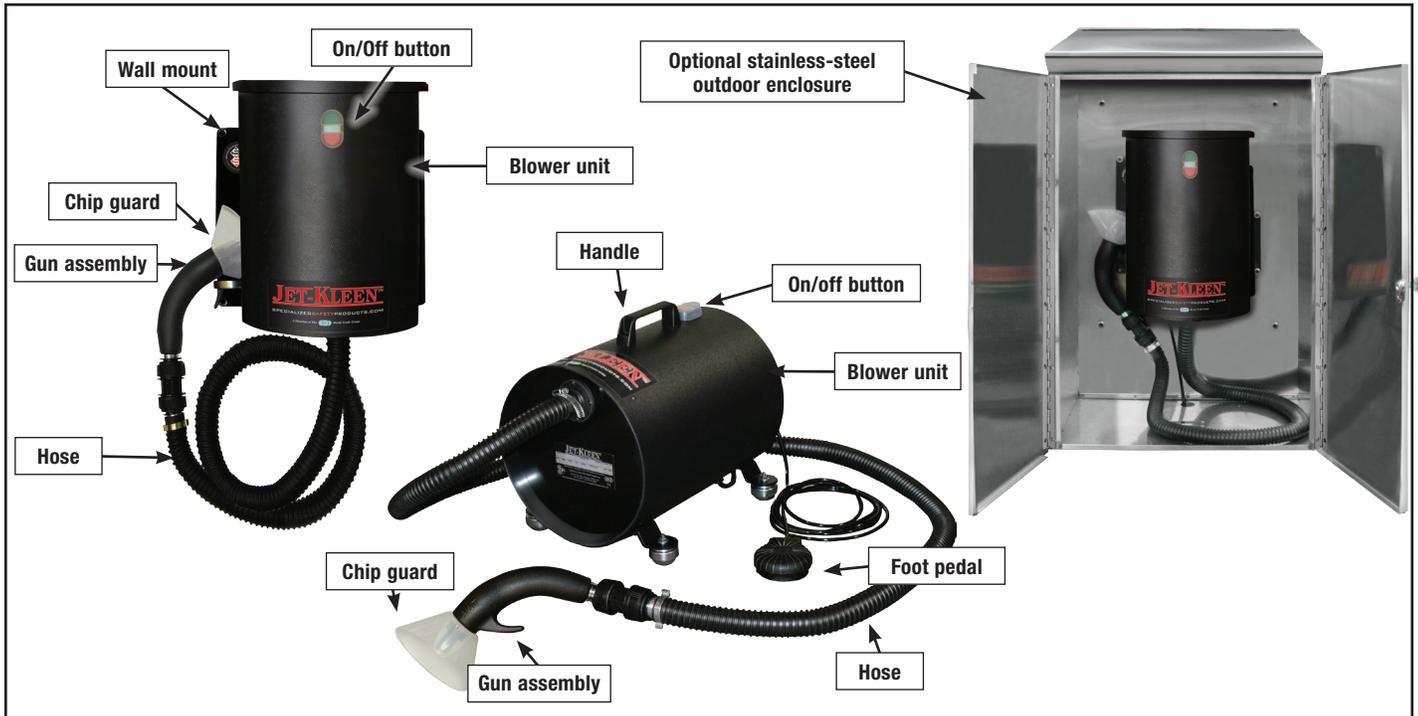


Figure 1. Jet-Kleen units and major components.

### STANDARD FEATURES

#### All Models

- Blower-driven system delivers high volume of air at safe 3.0 psi (206.8 mBar)
- Flexible hose allows easy control of air gun nozzle
- Chip guard—acts as safety shielding, protecting the user from dangerous blow-back particles
- Heavy-duty plastic body ensures rugged performance
- Heat-resistant hose retains flexibility in all workplaces
- Stainless-steel clip for easy removal of hose from unit
- Foam-insulated interior ensures low noise levels – maximum 78 dB (A)
- Can be aimed directly at the body
- Removes dust, fibers, water and powders from work clothes and machinery
- Low operating cost
- 115 V and 240 V, 50/60 Hz units available

#### Portable Models

- Extra long 96" (243.8 cm) hose
- Foot pedal

#### Wall-mount Models

- Timer for adjusting time unit remains on
- Holster holds nozzle when not in use
- 56" (142 cm) hose

### OPTIONS AND ACCESSORIES

- Variable speed controller
- Additional blow gun assembly
- Stainless-steel enclosure for outdoor mounting
- Timer for adjusting time that unit remains on (for Portable Model; standard on Wall-Mount Model)



A Product of

**SPECIALIZED SAFETY PRODUCTS**

A Division of The A.W.T. World Trade Group

4321 N. Knox Ave., Chicago, IL 60641 USA  
SALES@SPECIALIZEDSAFETYPRODUCTS.COM

773.777.7100 • Fax: 773.777.0909  
WWW.SPECIALIZEDSAFETYPRODUCTS.COM

©2010 Specialized Safety Products. No part of this literature may be reproduced without written permission. Specifications subject to change without notice. #MAN-AWT-JETKLN 07/10

**SAFETY PRECAUTIONS**

**OWNER RESPONSIBILITIES**

To ensure safe and trouble-free operation of this equipment, the operator must have a thorough understanding of safety precautions and operating procedures. Therefore, it is the responsibility of the equipment owner to ensure that every operator of this equipment:

1. Reads the Safety Precautions section of this manual and understands the instructions prior to operating this equipment.
2. Reads the operating section of this manual and understands all operating procedures prior to operation.
3. Observes the fundamental regulations pertaining to workers' protection and accident prevention.
4. Observes additional rules and regulations in effect at the equipment owner's place of business.

Once trained, equipment operators should be continually evaluated to ensure they fully understand safety precautions and operating procedures.

Following simple safety guidelines can further reduce hazard risks.



**CAUTION**

**Please read all information regarding safety precautions. Failure to follow these procedures may void your warranty.**

**SAFETY**

1. Check the AC cable for nicks and cuts (regularly check the cable to ensure it is in good condition).
2. Ensure that the correct supply voltage is available before switching on the unit.
3. It is recommended that the unit be connected to an electrical supply that is surge protected and in compliance with local codes.
4. The unit is fitted with a standard three-prong plug with a 15A circuit breaker.
5. There are no serviceable parts in the fan unit.
6. Do not pull the portable unit by the electrical cable or the hose.
7. Be sure the voltage being used corresponds with the voltage on the machine parts. The standard motors are 115 V, 1 Ph, 50/60 Hz and 240 V, 1 Ph, 50/60 Hz.

**General Safety**

1. The On/Off switch for both units is located on the cylindrical enclosure at the end furthest from the blower hose. Press the RED button for OFF and the GREEN but-

ton for ON.

2. Be sure the portable unit stands level on the four bottom feet.
3. If the unit has been fitted with a speed controller, adjust the speed to your desired level while the unit is off.
4. Do not remove any guarding or the flexible hose at any time. Do not allow objects to pass through the guard while the fan is rotating.
5. Always switch the unit off at the main electrical supply and remove the plug before cleaning the Jet-Kleen. Do not use a pressure washer or steam washer to clean the unit.
6. Eye protection should be worn at all times while operating the unit.

**REPLACEMENT PARTS**

This unit was designed and engineered with operator safety and maximum performance as primary objectives. Substitution of non-OEM parts may jeopardize safety and/or performance and void your warranty.

**INSTALLATION & SETUP**

The wall mount unit should be located where it will be most convenient for use, such as an entry/exit point.

Mount the unit with six screws through the holes on the wall mount (Figure 1, page 3). The bottom (hose end) of the unit should be about 51-52" above the surface.

The portable model should be placed so the four legs are in contact with a flat surface.

Both units should be plugged into an appropriate grounded outlet.

Press the green button on the on/off switch to operate the Jet-Kleen. The red button shuts it off.

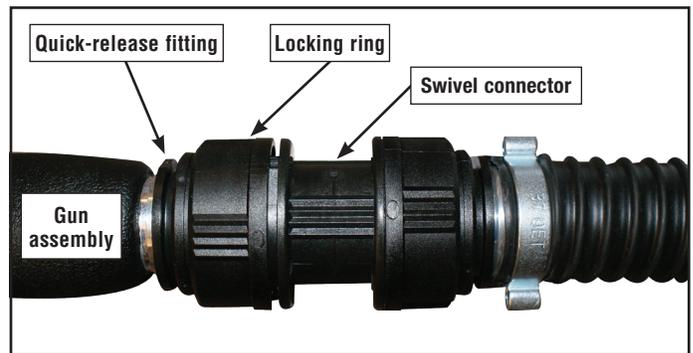


Figure 2. With locking ring unscrewed (as pictured) pull quick-release fitting toward hose.



**SPECIALIZED SAFETY PRODUCTS** A Division of The A.W.T. World Trade Group

4321 N. Knox Ave., Chicago, IL 60641 USA  
 SALES@SPECIALIZEDSAFETYPRODUCTS.COM

773.777.7100 • Fax:773.777.0909  
 WWW.SPECIALIZEDSAFETYPRODUCTS.COM

**Gun Assembly Detachment**

To detach the gun assembly follow these instructions:

1. Rotate the locking ring on the swivel connector (*Figure 2, page 4*) counterclockwise 180° until it clicks.
2. Pull the quick-release fitting toward the hose away from the gun assembly.
3. Twist and pull out the gun assembly.

**Gun Assembly Attachment**

To attach the gun assembly, follow these instructions:

1. Leave the locking ring open (unscrewed) as shown in *Figure 2*. If the locking ring is in the closed position, follow *Step 1*, above.
2. Push the new gun firmly into place.
3. Close the locking ring by rotating it 180° back to its original position.

**Note** Follow similar procedures when replacing the hose by using the locking ring and quick-release fitting on the hose end of the swivel connector.

**Filter Replacement**

The filter, timer control and optional variable speed control are located under the top cover of the wall-mounted Jet-Kleen and on the non-hose end of the portable unit. Replacing the filter is recommended at least every six months, although operating conditions could warrant replacement much earlier.

To access the filter assembly on the wall-mount unit, remove the three screws on the top cover (*Figure 4*) using a 5/32" hex wrench. Pull out the filter and replace with new. Replace the top cover and three hex-head screws.

Procedures are the same for a portable unit except there is no cover to be removed.

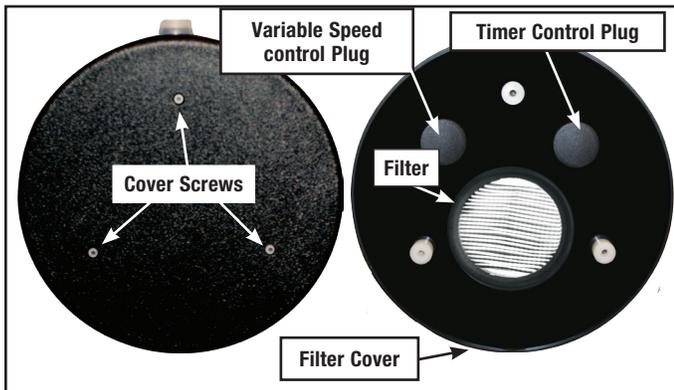


Figure 4. Location of cover screws, (left-wall-mount unit only); filter assembly, (right).

IMPORTANT

TO PREVENT OVERHEATING  
AND PERMANENT DAMAGE

DO NOT RUN  
UNIT MORE THAN  
3 CONTINUOUS  
HOURS

**TIMER CONTROL**

The Jet-Kleen features a timer control that allows you to set the length of time it will operate before shutting off automatically. Timing is set with two dials located inside the top of the unit.

To access the timer, remove the three screws on the top cover (*Figure 4*) and lift off the cover. Carefully pry off the plug located on the unit, using a small screwdriver. The timer controls (*Figure 5*) are located under the plug. A small Phillips screw driver is required to turn the dials.

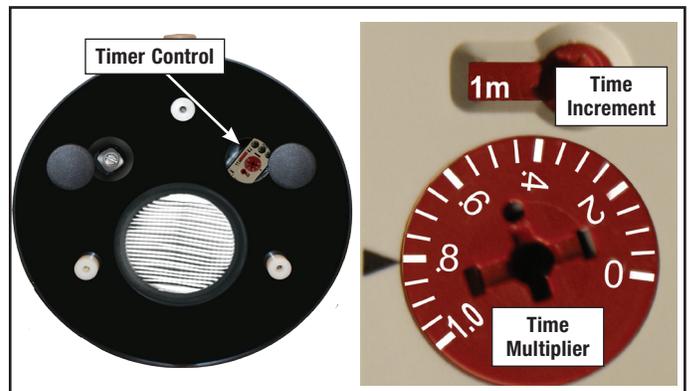


Figure 5. Location of timer control, (left-wall-mount unit only); Timer control, (right).

The smaller dial sets the main increment. Options are 1, 3, and 10 minutes; 1, 3, 10 and 60 hours; and 1, 3, and 10 seconds. The larger dial is the multiplier applied to the increment, ranging from 1 to approximately 0.05.

| INCREMENT SETTING | APPROXIMATE RANGE             |
|-------------------|-------------------------------|
| 1m                | 3 seconds - 1 minute          |
| 3m                | 9 seconds - 3 minutes         |
| 10m               | 30 seconds - 10 minutes       |
| 1h                | 3 minutes - 1 hour            |
| 3h                | 9 minutes - 3 hours           |
| 10h               | 30 minutes - 10 hours         |
| 60h               | 3 hours - 60 hours            |
| 1s                | 50 milliseconds - 1 second    |
| 3s                | 150 milliseconds - 3 seconds  |
| 10s               | 500 milliseconds - 10 seconds |

Figure 6. Timer control settings.

To set the timing, select the increment to be used then the multiplier to be applied. For example, to set timing at 30 minutes, select an increment of one hour (1h) and a multiplier of .5 (located at the hash mark midway between .6 and .4). This would yield  $1 \text{ hour} \times 0.5 = 0.5 \text{ hours} = 30 \text{ minutes}$ . Factory default is 60 seconds.

To operate the Jet-Kleen press the green START button. The unit will run until the preset time elapses or the red STOP button is pushed.



# IMPORTANT



TO PREVENT OVERHEATING  
AND PERMANENT DAMAGE

DO NOT RUN  
UNIT MORE THAN  
3 CONTINUOUS  
HOURS

## VARIABLE SPEED CONTROL (OPTION)

The remaining plug covers the Variable Speed Control adjustment (*Figure 7*). Carefully pry off the plug located on the unit, using a small screwdriver. Turn adjustment screw clockwise to increase speed, counterclockwise decreases speed.



Figure 5. Location of Variable Speed Control, (left-wall-mount unit only); Variable Speed Control, (right).

## REPLACEMENT PARTS

| CATALOG # | DESCRIPTION                                    |
|-----------|--|
| JK-GA     | Gun Assembly" Nozzle W/Chip Guard Included     |
| JK-CG     | Chip Guard                                     |
| JK-NO     | Nozzle only                                    |
| JK-WMH    | Wall Mount Hose                                |
| JK-SC     | Connector Only – For Hose Unit                 |
| JK-FE     | Filter Assembly                                |
| JK-FP     | Foot Pedal                                     |
| JK-FMH    | Portable Hose Only                             |
| JK-VM     | Vacuum Motor 115V                              |
| JK-VM-240 | Vacuum Motor 240V                              |
| JK-TRS    | Tamper Resistant Screws (Pkg of 15)            |
| JK-VSC    | Vacuum Switch - 2 Stage - Foot Pedal           |
| JK-COS    | Contactora                                     |
| JK-TIMER  | Timer  |
| JK-S      | Speed Control                                  |
| JK-TOOL   | Special Jet-Kleen Unit Opening Tool (Bit only) |
| JK-OS     | On/Off Switch                                  |



**REPLACEMENT PARTS**

|   |  |   |  |
|---|--|---|--|
|  <p><b>JK-GA</b><br/>Gun Assembly<br/>With Chip Guard/Nozzle</p> |  <p><b>JK-CG</b><br/>Chip Guard</p>                                   |  <p><b>JK-NO</b><br/>Nozzle</p>   |  <p><b>JK-WMH</b><br/>Wall Mount Hose<br/>(56"/142 cm)</p> |
|  <p><b>JK-SC</b><br/>Connector</p>                               |  <p><b>JK-FE</b><br/>Filter Assembly</p>                              |  <p><b>JK-FP</b><br/>Foot Pedal</p>   |  <p><b>JK-FMH</b><br/>Portable Hose<br/>(96"/244 cm)</p>   |
|  <p><b>JK-VM</b><br/>Vacuum Motor 115V</p>                     |  <p><b>JK-TRS</b><br/>Tamper-Resistant Screws<br/>Package of 15</p> |  <p><b>JK-VSC</b><br/>Vacuum Switch<br/>2 Stage - for Foot Pedal</p>          |  <p><b>JK-COS</b><br/>Contactor</p>                                     |
|  <p><b>JK-TIMER</b><br/>Timer</p>                              |  <p><b>JK-S</b><br/>Speed Control</p>                               |  <p><b>JK-TOOL</b><br/>Special Jet-Kleen Unit Opening Tool<br/>(Bit only)</p> |  <p><b>JK-OS</b><br/>On/Off Switch</p>                                  |

Not Pictured: JK-VM-240 Vacuum Motor 240V (Similar to JK-VM);

# TECHNICAL INFORMATION

## MODELS AND SPECIFICATIONS

| CATALOG NUMBER   | UNIT TYPE                   | ON/OFF                   | HOSE         | SPEED CONTROL | TIMER  | ELECTRICAL SPECIFICATIONS |
|------------------|-----------------------------|--------------------------|--------------|---------------|--------|---------------------------|
| <b>JK-FFP1</b>   | Portable                    | On/off switch/foot pedal | 96" (244 cm) | No            | Option | 115 V, 1 Ph, 50/60 Hz     |
| <b>JK-FFP1V</b>  | Portable - variable speed   | On/off switch/foot pedal | 96" (244 cm) | Yes           | Option | 115 V, 1 Ph, 50/60 Hz     |
| <b>JK-FFP2</b>   | Portable                    | On/off switch/foot pedal | 96" (244 cm) | No            | Option | 240 V, 1 Ph, 50/60 Hz     |
| <b>JK-FFP2V</b>  | Portable - variable speed   | On/off switch/foot pedal | 96" (244 cm) | Yes           | Option | 240 V, 1 Ph, 50/60 Hz     |
| <b>JK-WTB1F</b>  | Wall-mount                  | On/off switch            | 56" (142 cm) | No            | Yes    | 115 V, 1 Ph, 50/60 Hz     |
| <b>JK-WTB1FV</b> | Wall-mount - variable speed | On/off switch            | 56" (142 cm) | Yes           | Yes    | 115 V, 1 Ph, 50/60 Hz     |
| <b>JK-WTB2F</b>  | Wall-mount                  | On/off switch            | 56" (142 cm) | No            | Yes    | 240 V, 1 Ph, 50/60 Hz     |
| <b>JK-WTB2FV</b> | Wall-mount                  | On/off switch            | 56" (142 cm) | Yes           | Yes    | 240 V, 1 Ph, 50/60 Hz     |

### GOVERNMENT REGULATIONS

The Jet-Kleen has been designed in accordance with the following directives:

|              |  |
|--------------|--|
| EN55014-1    | EMC Directive (Emissions)  |
| EN55014-2    | EMC Directive (Immunity)   |
| EN60335-2-69 | Low Voltage (Electrical Safety Testing)  |
| EN61000-3-2  | EMC - Limits for harmonic current emissions  |
| EN61000-3-3  | EMC - Limits of voltage changes, fluctuations and flicker in public low-voltage supply systems |

### PSI SPECIFICATIONS

112.7 cubic feet of air per minute at 3.0 psi.



**More than 3 psi is illegal in Europe. In the USA, we conform to OSHA Standard number 1910.242 (B).**

### ELECTRICAL SPECIFICATIONS

See chart above

### SPACE REQUIREMENTS

#### Portable Models

- Weight: 18.6 lbs. (8.4 kg)
- Dimensions: 16.6"L x 11.3"W x 13.7"H (42.2 x 28.7 x 34.8 cmcm)

#### Wall Models

- Weight: 18.6 lbs. (8.4 kg)
- Dimensions: 16"L x 14"W x 11.9"H (40.6 x 35.6 x 30.2 cm)

### VELOCITY

22,000 feet per minute

### NOISE LEVEL

Below 78 dB (A)

### SHIPPING INFORMATION

#### Both Models

- Weight: 23 lbs. (8.4 kg)
- Dimensions: 23"L x 16"W x 17"H (58.4 x 40.6 x 43.2 cm)

### WARRANTY

Specialized Safety Products/A.W.T. equipment is warranted against defects in workmanship and materials for a period of one (1) year or 2,500 hours running time, annually, from the shipping date of the equipment from A.W.T. World Trade, Chicago, IL 60641. Warranties are not included for any product or machine invoice that remains unpaid according to the Sales Agreement/Quotation conditions.

Specialized Safety Products/A.W.T. does not fully cover expendable parts, such as filters, for this limited warranty. Some parts may be considered under a prorated warranty.

Specialized Safety Products/A.W.T.'s warranty does not provide for failure of parts or components resulting from misuse or lack of maintenance.

Specialized Safety Products/A.W.T. is not responsible for installation or replacement of any defective part. Service labor, travel cost and sustenance charges are the responsibility of the customer on all defective parts. Removal or installation, if requested, is billed at the prevailing service rates.

Any part determined to be defective, in workmanship and material, under this limited warranty period will be repaired or replaced, at our option, without charge, when returned within **30 days from the date the Return Authorization was issued**. Specialized Safety Products/A.W.T. is not obligated to pay freight costs. Customers must obtain a return authorization number from our Customer Service Department or service manager before returning any defective part. The consumer must return parts via prepaid postage or prepaid freight to the following address:

**A.W.T. World Trade Inc.  
4321 N. Knox Ave.  
Chicago, IL 60641 USA**

Consequential damages, lost time, material loss, inconvenience or contingent liabilities are not covered by this warranty. We specifically make no other warranties, expressed or implied, other than the above Limited Warranty.