

# ***Gun Range***

HEALTH & SAFETY | PREVENTION | GOOD HOUSEKEEPING



TIGER-VAC.COM

**Tiger-Vac®**  
...The name to vacuum with

SPECIALIZING IN THE DESIGN AND MANUFACTURE  
OF LEGALLY CERTIFIED PORTABLE INDUSTRIAL VACUUM  
AND DUST COLLECTION SYSTEMS FOR CONTAMINATION  
CONTROLLED ENVIRONMENTS AND HAZARDOUS LOCATIONS  
**Since 1983**

# VACUUMING IS THE SAFEST METHOD FOR RECOVERING HAZARDOUS AND COMBUSTIBLE DUST

How you clean the range area is very important. Inadequate and/or inappropriate range cleaning procedures can actually create a greater risk of lead exposure. Perhaps the worst thing you can do is clean the range by dry sweeping. This procedure will stir up lead dust and increase airborne lead levels and exposures.

**Do not sweep brass !**

As you may know, there are two methods that should be considered for the routine cleaning of your range. One is wet mopping and the other is using a HEPA vacuum system. Both systems prevent settled lead from becoming stirred up and exposing employees to elevated airborne lead levels.

However, you should be aware that if you use a wet-mop procedure for range cleaning, the water may need to be managed as a hazardous waste.

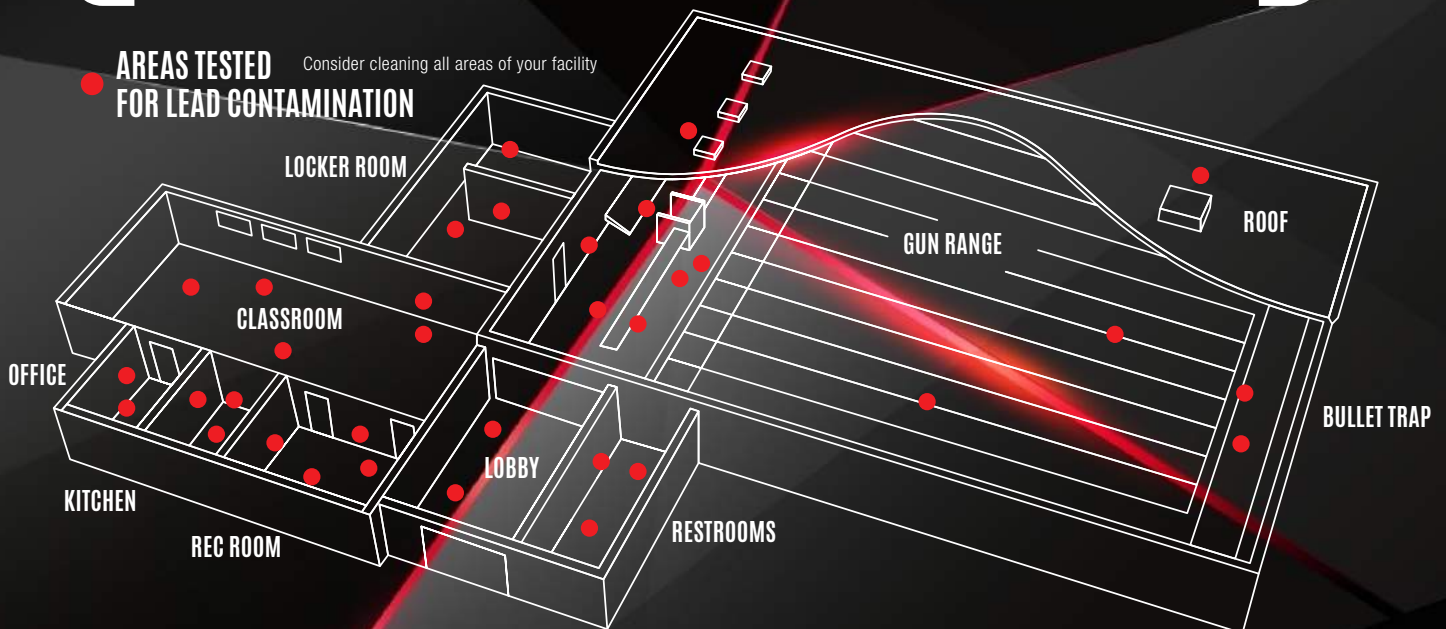
If you plan to use a HEPA vacuum system, make sure it is designed to be used to collect combustible dust so unburned or spilled gunpowder isn't accidentally ignited.



Safely recover 99.995% at 0.3 micron in size of Hazardous Lead Dust exhausting clean air back into the gun range

Floors and horizontal surfaces should be cleaned on a regular basis. Cleaning frequency depends on how heavily the range is used. Floor and horizontal surfaces such as booth shelves or target retrieval systems may need daily cleaning if heavily used. Otherwise, cleaning should be performed once or twice a week. Cleaning can be conducted either with a vacuum equipped with a high efficiency particulate air (HEPA) filter, or wet methods. The vacuum should be dedicated for the lead dust cleanup. Individuals performing cleaning operations should be properly trained and not try to hurry the process.

**Dry sweeping or the use of compressed air to "blow down" the range should be prohibited.**





COMPLIES WITH NFPA 652  
PARAGRAPH 8.4.2.2.1.7 (1) TO (7)



**MFS** MANUAL  
FILTER SHAKER

**DT** DETACHABLE  
RECOVERY TANK

**TV-201**

ORDLOC-652

VOLTAGE	120 V
HERTZ	60 Hz
PHASE	Single
WATTAGE	2400 W
<b>POWER</b>	<b>3.2 HP</b>
AMPERAGE	15.8 A
AIR FLOW	270 CFM
VAC. PRESSURE	71.5 in. H <sub>2</sub> O



**HEPA FILTER**  
99.99% EFFICIENCY  
AT 0.3 MICRON

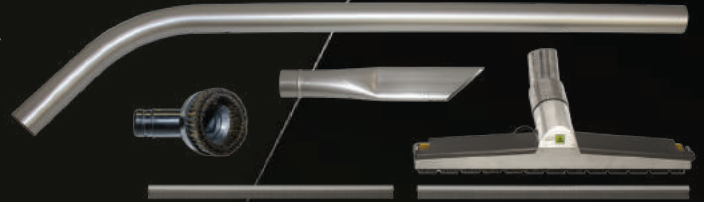
## INCREASED REVENUE, DECREASED COSTS

Housekeeping reduces risks and exposures and helps processes run more smoothly. Gun ranges that prioritize safety in the workplace are able to sell and deliver more products and services of a higher quality quicker, while using fewer resources.

**Cleanliness equals efficiency.**

**Exposure and disorganization consume time and company resources without adding any value.**

A customer who receives a better product or service, faster, will probably become a repeat customer. And they'll likely become a brand advocate as well, telling others about their experience. Gun Ranges that take housekeeping seriously drive customer satisfaction from moment one. Remember that cleanliness creates a positive first impression - it sets the foundation for a good customer experience.



**2 in. DIAM. (50MM)** STATIC CONDUCTIVE TOOLKIT



**3M**  
**3 MOTORS**  
USED INDIVIDUALLY  
OR SIMULTANEOUSLY

**You Tube**

**MANOMETER**

Measuring Vacuum pressure

**FBI**

Filter Blockage indicator

**ON/OFF**

Power Source

**3 MOTORS**

Can be used individually,  
or simultaneously



**LESS  
CLOGGING  
AND MORE  
PRODUCTIVITY  
WITH A  
21 ft<sup>2</sup>  
CONDUCTIVE  
PLEATED FILTER**





**DUST IGNITION  
PROTECTED**  
DIVISION 2  
CLASS II  
GROUPS F, G



**MFS** MANUAL  
FILTER SHAKER

**DT** DETACHABLE  
RECOVERY TANK

**5H** 5 HEPA FILTERS  
CLASS H14

**4D-35L EX**  
DRY RECOVERY

VOLTAGE	120 V
HERTZ	60 Hz
PHASE	Single
WATTAGE	2040 W
POWER	2.7 HP
AMPERAGE	15.2 A
AIR FLOW	200 CFM
VAC. PRESSURE	90 in. H <sub>2</sub> O



**HEPA FILTER**  
99.99% EFFICIENCY  
AT 0.3 MICRON

## SMART INVESTMENT

Establishing safe and simple cleaning procedures to ensure the health & safety of your employees, is the best investment you could make. The onboard SIDEKICK is designed to improve the overall cleaning efficiency resulting in improved productivity.

## THE MOST FLEXIBLE INDUSTRIAL CLEANING TOOL A GUN RANGE CAN USE

**SHIFT/GO**  
DUAL INLETS

**DFC**

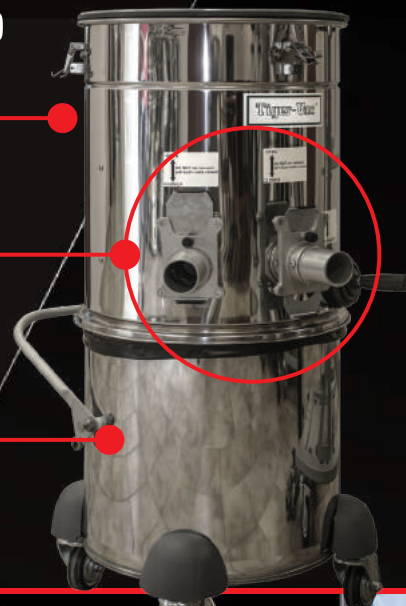
DETACHABLE FILTER CHAMBER  
For easy filter maintenance  
and replacement

**DSI**

DUAL SUCTION INLETS /  
GATE VALVES  
Easily Shift & Go and switch  
from wide-area cleaning  
to spot cleaning

**DT**

DETACHABLE RECOVERY TANK  
For easy disposal of contaminated  
material



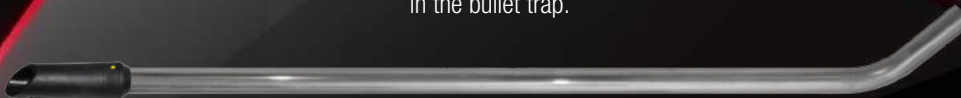
**SIDEKICK**  
HOSE & WAND

**1.5 in. DIAM. (38MM)**  
STATIC CONDUCTIVE SUCTION HOSE  
AND CONICAL NOZZLE



SAFE FROM  
ELECTROSTATIC  
DISCHARGES

Ideal for cleaning along vertical surfaces, removing debris from cracks and crevices, expansion joints, stray small caliber casings and those difficult to reach nooks and crannies in the bullet trap.











Workplace lead hazards could impact employees' families as well. Lead taken home on work clothes and shoes can expose children and other household members. Employers may be legally responsible if household members are adversely affected by this "take-home" lead.

Good Housekeeping is not limited to cleaning only firing lanes. Consider cleaning one's clothes/garments.

# LEAD-FREE ENVIRONMENT

All workers involved in housekeeping and maintenance activities should be careful not to leave the workplace wearing any contaminated clothing or equipment worn during the work shift.

Tiger-Vac shooting range/shot house vacuum systems are designed to meet the NFPA 652 Vacuum Cleaning Method requirements, clause 8.4.2.2.1.7 points 1 through 7 that define the minimum requirements that a portable vacuum must meet to be used to collect combustible particulate solids in unclassified (nonhazardous) areas, or certified by a NRTL (Nationally Recognized Testing Laboratory) for use in Division 2 Hazardous Locations for the recovery of combustible dusts.

NFPA 652 Models will ensure that members and employees do not leave the facility wearing any contaminated clothing or equipment worn during gun range activity and work shift (including shoes and undergarments), ensuring also that members and employees do not enter lunch room and VIP lounges with protective clothing and equipment unless lead dust has been removed by HEPA vacuuming, or another recognized cleaning method beforehand.

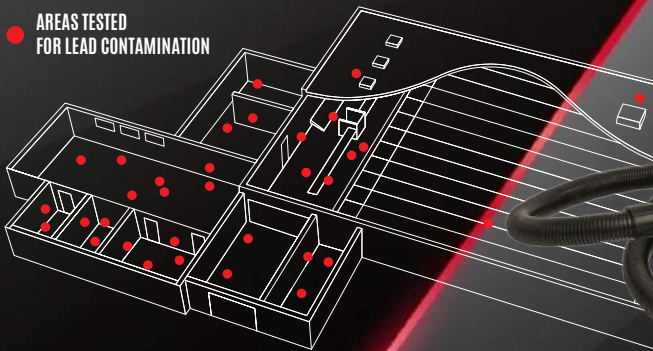
## SAFE PRACTICES CAN BE EASILY ACHIEVED WITH OUR PORTABLE AND WALL-MOUNTED MODELS



COMPLIES WITH NFPA 652  
PARAGRAPH 8.4.2.2.1.7 (1) TO (7)



AREAS TESTED  
FOR LEAD CONTAMINATION



HEPA FILTER  
99.99% EFFICIENCY  
AT 0.3 MICRON



SAFE FROM  
ELECTROSTATIC  
DISCHARGES

### 2D-1 (PCS-WM)

DRY RECOVERY

VOLTAGE	120 V
HERTZ	60 Hz
PHASE	Single
WATTAGE	1207 W
POWER	1.6 HP
AMPERAGE	10.5 A
AIR FLOW	110 CFM
VAC. PRESSURE	107 in. H <sub>2</sub> O





Keep in mind that lead may be present in other areas of your facility in addition to the range. Good housekeeping is one of the most important management practices you can implement to reduce exposure to lead. You need to keep all surfaces as free as practicable of accumulated lead dust and do it in a manner that will not increase the risk of lead exposure.

A clean range has the added benefit of being more attractive to members, employees and customers.

## HIGH SURFACE CLEANING

Many facilities have more than adequate cleaning processes for surfaces at the general ground level. However, it's harder to see, and clean, the accumulation of dust on surfaces like the top tracks/rails in a gun range, piping and conduit, ductwork, and exposed ceiling rafters. High surface cleaning tools target these areas, ensuring they are free from accumulated dust and debris.

**In addition to reducing the risk of fire and explosion by minimizing combustible dust accumulation, high surface cleaning also provides a cleaner and brighter work environment.**



**1.5 in. DIAM. (38MM)**

GUN RANGE OVERHEAD TRACK / RAIL CLEANING STATIC DISSIPATIVE TOOLKIT



**Div.2**

**4H** 4 HEPA FILTERS  
CLASS H14

**C-10 EX**

DRY RECOVERY

VOLTAGE	120 V
HERTZ	60 Hz
PHASE	Single
WATTAGE	1207 W
POWER	1.6 HP
AMPERAGE	10.5 A
AIR FLOW	110 CFM
VAC. PRESSURE	107 in. H <sub>2</sub> O

IDEAL FOR CONTAINER RANGES AND MOBILE RANGES



STATIC CONDUCTIVE TOOLKIT

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