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

**Applicable requirements:**
ANSI/UL 1017
CSA C22.2 No. 243

## Characteristics

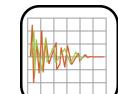| | | | | |
|---|---|---|---|---|
| ULPA Included | High Efficiency | Cleanroom Applications | Pharma Applications | Static Dissipating |
| Resistivity: Less than 10 ohms | Dry Recovery | Stainless Steel AISI 304 | Static Dissipating Toolkit | EMI Shielded |

- ULPA Filter - Included with an efficiency of 99.999% on 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% on 0.18 micron. Tested: IEST RP-CC001.3. U15 by MPPS method as per EN 1822.
- *Cleanroom compatible with ISO Class 4 (former Class 10).  Can be used in the pharmaceutical industry
- Static free and ESD safe.  EMI/RFI Shielded.
- 4-stage filtration system includes an ULPA Filter U15, Cloth Filter, Dome Filter and Disposable Filter Bag
- Special filter lined with stainless steel is available for the recovery of broken wafers and sharp objects
- Designed for general cleanup in contamination controlled environments
- Single phase thru-flow motor
- For dry recovery only
- All stainless steel construction
- Recovery capacity of 1.5 gallon (5.7 liters) in Disposable Filter Bag
- Equipped with a golf cart for easy maneuverability
- Complete tool kit included

All stainless steel construction.  This unit is equipped with a true ULPA Filter (U15) located upstream of the motor.  This unit is EMI/RFI Shielded and will not disrupt computers and other sensitive electronic equipment.  This unit is static free and ESD safe.  Any static produced while vacuuming is quickly and effectively discharged to the ground.  This unit is cleanromm compatible and can be used in the pharmaceutical industry.  This unit is designed for general cleanup in contamination controlled environments.  This is a dry only vacuum cleaner.  All of our ULPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

# Specifications

| | Unit | MV-1CR (GC) |
|---|---|---|
| Part# | | 110739A |
| Weight | lbs | 15 |
| Filter Cleaning | | NONE |
| Decibels | dB | 70 |
| Dimensions | Inches | H36 × W8 |
| Collection Bag Capacity | Gal | 1.5 |
| Vacuum Pressure | Inches $H_2O$ | 63 |
| Air Flow at Suction Intake | CFM | 110 |
| Phase | | Single |
| Horse Power | HP | 1 |
| Amperage | A | 6.5 |
| Wattage | W | 780 |
| Hertz | Hz | 60 |
| Voltage | V | 120 |

## Ultra Low Penetration Air Filter

A ULPA filter is a type of air filter. It can remove at least 99.999% of dust, pollen, mould, bacteria and any other airborn particles with a size of 0.12 microns or larger.

North-America: Each ULPA Filter has a minimum filtration efficiency of 99.999% on 0.12 micron. Tested as per IEST-RP-CC001.3.

Europe: Each ULPA Filter has a minimum filtration efficiency of 99.9995% on 0.18 micron, rated U15 as per EN 1822 by MPPS method.

## EMI Suppresion / RFI Shielding

These cleanroom vacuum cleaners are equipped with an electronic filter suppresser which reduces electromagnetic interference (EMI), both radiated and conducted, below class B limits for digital apparatus as established by the FCC and ISO. It also provides shielding against RFI (Radio Frequency Interference). The electronic filter is wired in line with the motor. If the electronic filter should fail, power to the motor will automatically be cut-off. These vacuum cleaners will not disrupt computers, radio and video monitors and other sensitive electronic equipment.

## Static Free Vacuum System (ESD Safe)

The vacuum cleaner is designed to be grounded during use. Any static electricity that is produced while vacuuming is dissipated through the conductive hose, through the vacuum cleaner and it is discharged to the ground. A ground continuity tester is included with every vacuum cleaner to verify ground continuity before use. The ESD safe vacuum cleaners eliminate static electricity and static charge buildup and they protect sensitive elctronic equipment.

| ULPA FILTER - Included | | |
|---|---|---|
| Part# | Qty | Description |
| 212073 | 1 | ULPA FILTER (U15) |

| FILTERS FOR MODEL MV-1CR (GC) - Included | | |
|---|---|---|
| Part# | Qty | Description |
| 212232 | 1 | CLOTH FILTER ASSEMBLY WITH RING |
| 211623 | 1 | MOTOR DOME FILTER FOR MV-1 |

## FILTERS FOR MODEL MV-1CR (GC) - 1000W - Included

| Part# | Qty | Description |
|---|---|---|
| 212078 | 1 | CLOTH FILTER ASSEMBLY WITH RING |
| 211623 | 1 | MOTOR DOME FILTER FOR MV-1 |

## DISPOSABLE FILTER BAGS FOR MODEL MV-1CR (GC) - Included

| Part# | Qty | Description |
|---|---|---|
| 212230 | 1 | PAPER FILTER BAG (PACKAGE OF 5) |

## DISPOSABLE FILTER BAGS FOR MODEL MV-1CR (GC) - 1000W - Included

| Part# | Qty | Description |
|---|---|---|
| 212075 | 1 | PAPER FILTER BAGS (PACKAGE OF 5) |

## SPECIAL FILTERS FOR MODEL MV-1CR (GC) - Optional

| Part# | Qty | Description |
|---|---|---|
| 213254 | 1 | SPECIAL FILTER ASSEMBLY WITH RING, CLOTH + STAINLESS STEEL FOR BROKEN WAFERSgv |

## SPECIAL FITLERS FOR MODEL MV-1CR (GC) - 1000W - Optional

| Part# | Qty | Description |
|---|---|---|
| 212079 | 1 | SPECIAL FILTER ASSEMBLY WITH RING, CLOTH + STAINLESS STEEL (FOR BROKEN WAFERS) |

## TOOLS AND ACCESSORIES - Included

| Part# | Qty | Description |
|---|---|---|
| 212070 | 1 | SUCTION HOSE ASSEMBLY SD* 5'(1.5m) |
| 323316 | 1 | MICRO TOOL KIT, Ø1.25"(32mm), ESD* SAFE PLASTIC |
| 323312A | 1 | ROUND BRUSH, Ø1.25"(32mm), ESD SAFE PLASTIC |
| 323321 | 1 | ROUND TOOL, WITH RUBBER BLADES, Ø1.25"(32mm) |
| 323314A | 1 | UPHOLSTERY FLAT TOOL, Ø1.25"(32mm), ESD SAFE PLASTIC |
| 323313A | 1 | CREVICE TOOL, Ø1.25"(32mm), ESD SAFE PLASTIC |
| 211065 | 1 | GROUND CONTINUITY TESTER |

## TOOLS AND ACCESSORIES - Optional

| Part# | Qty | Description |
|---|---|---|
| 212072 | 1 | SUCTION HOSE ASSEMBLY SD* 10' (3m) FOR MV-1 CR |
| 323331 | 1 | WANDS 1.25"(32mm) STAINLESS STEEL(SET OF 2) - ONE CURVED AND ONE STRAIGHT |
| 323311B | 1 | |
| 323317A | 1 | UTILITY FLOOR TOOL, 1.25"(Ø32mm) x 12"(30cm), STATIC CONDUCTIVE PLASTIC w/GREY SQUEEGEE BLADES |

## REPLACEMENT POWER CORDS - Optional

| Part# | Qty | Description |
|---|---|---|
| 212080 | 1 | DETACHABLE POWER CORD 35'(10.5m) FOR CANADA & USA |
| 212081 | 1 | DETACHABLE POWER CORD 35'(10.5m) FOR EUROPE |
| 212082 | 1 | DETACHABLE POWER CORD 35'(10.5m) WITH UK PLUG |
| 212083 | 1 | DETACHABLE POWER CORD 35'(10.5m) WITH SWISS PLUG |

## WARNINGS:

Do not use this vacuum cleaner to recover explosive dusts or flammable liquids