



# Chip Vac

An INTELLIGENT COMPRESSED AIR® Product

## Chip Vac™

QUIET, only **77** dBA

### Vacuums chips directly into an open-top drum with no moving parts!

#### What Is The Chip Vac?

EXAIR's Chip Vac picks up dry or wet chips and delivers them directly to an ordinary open-top drum. The Chip Vac is used to clean chips from fixtures, floors and work surfaces of machining centers, lathes, saws, mills and other industrial equipment. The powerful suction is ideal for fast and efficient cleaning.

EXAIR's Mini Chip Vac System delivers the same cleaning power for small jobs. It comes complete with a 5 gallon drum and all the tools.



Watch the video!

[www.exair.com/cvvideo.htm](http://www.exair.com/cvvideo.htm)

#### Why The Chip Vac?

The compressed air operated Chip Vac is an industrial duty vacuum designed specifically for vacuuming chips. It creates a powerful direct flow action that vacuums metal, wood or plastic chips into an ordinary drum. Designed for occasional use with dusty materials, the included filter bag keeps the surrounding air clean.



The Chip Vac removes abrasive stainless steel chips from a CNC.

Electrically operated "all purpose" vacuums aren't designed for use in industrial environments. As a result, motors wear out quickly and impellers clog. The Chip Vac has no moving parts to wear out or break which ensures long life. Sound level is half that of electric vacs.

The Chip Vac Systems include a drum lid with a locking ring that fits an open top drum. In less than a minute, the Chip Vac can be removed and easily placed onto another drum to keep different materials separate for recycling. Constant heavy lifting and dumping of the vacuum cleaner tanks is eliminated since all chips are vacuumed directly into the drum.



110 Gallon Chip Vac offers maximum capacity cleanup on a large machining operation.

#### Applications

- CNC's
- Lathes
- Saws
- Mills
- Drills
- Grinders
- Routers
- Molding machines
- Absorbent pick-up

#### Advantages

- No moving parts
- Low cost
- No motors to clog or wear out
- No electricity
- Chips go directly into a drum
- Powerful direct flow action
- Includes accessories
- 50% quieter than electric vacs



The Mini Chip Vac allows for easy clean up of small messes.

## How The Chip Vac Works



Compressed air, normally 80-100 PSIG (5.5 - 6.9 BAR), flows through the inlet (1) into an annular plenum chamber (2). It is then injected into the throat through directed nozzles (3). These jets of air create a vacuum at the intake (4) which draws material in, accelerates it through the unit (5), and directs it to the bottom of the drum. The airflow exhausts through the port in the drum lid. Airborne particles are trapped by the filter bag (6).

The Chip Vac System can be used with an open head steel, fiber or plastic drum that is in good condition (ANSI Standard #MH2-2004). To prevent material contamination, a poly drum liner can be inserted into the drum.

**Warning:** Do not use with combustible dust.



Deluxe and Premium Chip Vac Systems include a drum dolly.

## Chip Vac System Specifications

Size	Pressure Supply PSIG	Supply BAR	Air Consumption SCFM	SLPM	INLET	Sound Level
110, 55 & 30 Gallon	80	5.5	40	1,132	3/8 NPT	77 dBA
5 Gallon	80	5.5	33	934	3/8 NPT	

Air consumption has been minimized by using the appropriate amount of air required for vacuuming chips.



The Model 6193 Chip Vac System includes a vacuum hose, chip wand and plastic tools.



The Model 6193-5 Mini Chip Vac System includes a vacuum hose, 5 gallon drum, chip wand and plastic tools.



Premium Chip Vac Systems include the drum, drum dolly, an upgrade to static resistant hose, heavy duty aluminum tools, tool holder, air hose and quick connects fittings. (Model 6393 shown.)

## Chip Vac Systems

Model #	Description
6193	55 Gallon Chip Vac System includes the Chip Vac, lever lock drum lid, shutoff valve, filter bag, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.), chip wand, (2) extension wands, crevice tool, brush, skimmer and floor tool (drum not included).
6193-30	30 Gallon Chip Vac System - same as Model 6193 except fits a 30 gallon drum (drum not included).
6193-5	5 Gallon Mini Chip Vac System - includes the Chip Vac (3/8 NPT), shutoff valve, filter bag, 5 gallon container with lid and lock ring, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.), aluminum chip wand, (2) extension wands, crevice tool, brush, skimmer and floor tool.
6293	55 Gallon Deluxe Chip Vac System - same as Model 6193 and adds drum dolly and tool holder (drum not included).
6293-30	30 Gallon Deluxe Chip Vac System - same as Model 6293 except fits 30 gallon drum (drum not included).
6293-5	5 Gallon Deluxe Chip Vac System - same as Model 6193-5 and adds drum dolly.
6393	55 Gallon Premium Chip Vac System - same as Model 6193 and adds a 55 gallon drum, drum dolly, an upgrade to static resistant hose, an upgrade to heavy duty aluminum tools, 20' (6.1m) air hose, tool holder and quick connects fittings.
6393-30	30 Gallon Premium Chip Vac System - same as Model 6393 except includes 30 gallon drum.
6393-110	110 Gallon Premium Chip Vac System - same as Model 6393 except includes a 110 gallon drum.
6093	Chip Vac Only - included in all 30 gallon through 110 gallon systems listed above.
6093-5	Mini Chip Vac Only - included with 6193-5 and 6293-5 5 gallon systems.

## Accessories

Model #	Description	Model #	Description
6804	Replacement Filter Bag	9041-5	5 Gallon Drum Dolly
901176	Magnetic Tool Holder	9041-30	30 Gallon Drum Dolly
901071	Heavy Duty Aluminum Tools plus Tool Holder	9041	55 Gallon Drum Dolly
6569-20	20' (6.1m) Flexible Vacuum Hose (1-1/2" / 38mm I.D.)	9041-110	110 Gallon Drum Dolly