

## Reversible Drum Vac™

**Pump 55 gallons in 90 seconds!  
Two-way pumping action!**

### What Is The Reversible Drum Vac?

A safe, maintenance free way to recover:

- Coolant
- Hydraulic oils
- Liquid spills
- Sludge and chips
- Tramp oil
- Waste water

### Why The Reversible Drum Vac?



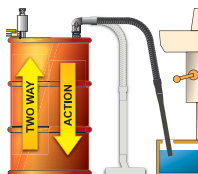
Watch the video!

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

EXAIR's compressed air operated Reversible Drum Vac System attaches quickly to any closed head 30, 55 or 110 gallon drum. Its high powered vacuum fills a 55 gallon drum in less than two minutes. With the simple turn of a knob, the same stainless steel pump quickly empties the drum. Coolant sumps can be easily refilled, floor spills vacuumed, or contaminated liquids transferred to filtration tanks in minutes. The flow rate in and out of the drum can be controlled with the knob, making it ideal for dispensing liquids.

EXAIR's Mini Reversible Drum Vac System delivers the same two-way action for small jobs. It comes complete with a 5 gallon drum and all the tools.

Electrically operated "all purpose" vacuums aren't designed for use in industrial environments. As a result, motors wear out quickly and impellers clog. The Reversible Drum Vac does not use electricity and has no moving parts, assuring maintenance free operation. An automatic safety shutoff valve prevents spills or overfilling.



EXAIR's Mini Reversible Drum Vac allows for quick and easy clean up of small messes.



Model 6901 Spill Recovery Kit used with the Mini Reversible Drum Vac provides fast cleanup of messy spills.



Reversible Drum Vacs are designed to fit the 3/4 NPT bung of any closed top drum. This model 6196-30 30 gallon system empties the coolant sump of a CNC.

### Applications

- Coolant sumps
- Food processing
- Lathes
- Floor cleanup
- EDM machines
- Pits
- Screw machines
- Machining centers
- Tanks

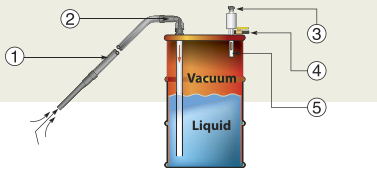
### Advantages

- No moving parts
- Maintenance free
- Stainless steel construction
- Safe – no electricity
- Built-in pressure/vacuum relief
- Compact and portable
- Installs quickly
- Spill free – auto safety shutoff
- Fits standard closed head drums

## Reversible Drum Vac System Specifications

Pressure Supply 80 PSIG (5.5 BAR)	Air Consumption		Lift	Water Flow Rate		Sound Level	
DESCRIPTION	SCFM	SLPM	"H <sub>2</sub> O"	mm Hg	GPM	LPM	86 dBA
REVERSIBLE DRUM VAC	19	538	96	179	30	114	

### How The Reversible Drum Vac Works



The flex hose (1) is attached to the barbed connection (2) on the Reversible Drum Vac system. The knob (3) on the Reversible Drum Vac pump is set to the "fill" position. The air supply valve (4) is opened to permit compressed air at 80-100 PSIG (5.5 - 6.9 BAR) to flow through the Reversible Drum Vac pump which pulls liquid through the flex hose and into the drum. When all liquid is in the drum, the air supply is turned off. If liquid exceeds the drum capacity, the safety shut-off valve (5) will prevent overflowing. The liquid can then be pumped back out of the flex hose (1) by setting the knob (3) on the Reversible Drum Vac pump to the "empty" position and opening the air supply valve.

**Warning:** Do not use with any material with a low flash point or with flammable liquids such as fuel oil, alcohol, mineral spirits, gasoline or kerosene.



The Model 6196, Model 6196-30 and Model 6196-110 Reversible Drum Vac Systems include a vacuum hose and an aluminum wand.



Model 6196-5 Mini Reversible Drum Vac System includes a 5 gallon drum w/lid, ABS spill recovery kit, vacuum hose and all tools.



Model 6296 and Model 6296-30 Deluxe Reversible Drum Vac Systems include a drum dolly, ABS spill recovery kit, vacuum hose, tool holder and all tools.



Premium Reversible Drum Vac Systems include the drum, drum dolly, an upgrade to heavy duty ABS aluminum tools, ABS spill recovery kit, tool holder and air hose.

### Reversible Drum Vac Systems

Model #	Description
<b>6196</b>	55 Gallon Reversible Drum Vac System includes two-way pump assembly (1/4 NPT), shutoff valve, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.) with 90° quick release elbow connection, (1) aluminum wand (drum not included).
<b>6196-30</b>	30 Gallon Reversible Drum Vac System - same as Model 6196 except fits a 30 gallon drum (drum not included).
<b>6196-110</b>	110 Gallon Reversible Drum Vac System - same as Model 6196 except fits a 110 gallon drum (drum not included).
<b>6196-5</b>	5 Gallon Mini Reversible Drum Vac System includes two-way pump assembly (1/4 NPT), shutoff valve, 5 gallon container with lid and lock ring, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.) with 90° quick release elbow connection, aluminum wand, ABS spill recovery kit, (2) extension wands, crevice tool and skimmer tool.
<b>6296</b>	55 Gallon Deluxe Reversible Drum Vac System - same as Model 6196 and adds drum dolly, ABS spill recovery kit, (2) extension wands, crevice tool, skimmer tool and tool holder (drum not included).
<b>6296-30</b>	30 Gallon Deluxe Reversible Drum Vac System - same as Model 6296 except fits 30 gallon drum (drum not included).
<b>6296-5</b>	5 Gallon Deluxe Mini Reversible Drum Vac System - same as Model 6196-5 and adds drum dolly.
<b>6396</b>	55 Gallon Premium Reversible Drum Vac System - same as Model 6196 and adds the 55 gallon drum with lock ring and lid, drum dolly, ABS spill recovery kit, 11" (279mm) and 24" (610mm) aluminum crevice tools, skimmer tool, tool holder and 20' (6.1m) air hose.
<b>6396-30</b>	30 Gallon Premium Reversible Drum Vac System - same as Model 6396 except includes a 30 gallon drum.
<b>6396-110</b>	110 Gallon Premium Reversible Drum Vac System - same as Model 6396 except includes a 110 gallon drum.
<b>6091</b>	Reversible Drum Vac Only - included in all systems listed above.

### Accessories

Model #	Description	Model #	Description
<b>9001</b>	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)	<b>901071</b>	Heavy Duty Aluminum Tools plus Tool Holder
<b>9005</b>	Oil Removal Filter, 3/8 NPT, 15-37 SCFM (425-1,048 SLPM)	<b>9041-5</b>	5 Gallon Drum Dolly
<b>901067-5</b>	5 Gallon Drum with lock ring and lid	<b>9041-30</b>	30 Gallon Drum Dolly
<b>901067-30</b>	30 Gallon Drum with lock ring and lid	<b>9041</b>	55 Gallon Drum Dolly
<b>901067</b>	55 Gallon Drum with lock ring and lid	<b>9041-110</b>	110 Gallon Drum Dolly
<b>901067-110</b>	110 Gallon Drum with lock ring and lid	<b>6901</b>	Spill Recovery Kit includes a one-piece 54" (1372mm) ABS wand and 14" (356mm) double blade squeegee tool.
<b>6569-20</b>	20' (6.1m) Flexible Vacuum Hose (1-1/2"/38mm I.D.)	<b>901176</b>	Tool Holder



Industrial Housekeeping

## High Lift Reversible Drum Vac™

**Two-way pump provides maximum lift (up to 15 feet)!**

**Move thick liquids (up to 1400 cP) through 20' of hose!**

### What Is The High Lift Reversible Drum Vac?

A safe, powerful, and maintenance free way to recover:

- Coolant
- Sludge and chips
- Hydraulic oils
- Tramp oil
- Liquid spills
- Waste water



### Why The High Lift Reversible Drum Vac?

EXAIR's compressed air operated High Lift Reversible Drum Vac System attaches quickly to any closed head 30, 55 or 110 gallon drum. Its high powered vacuum is able to lift liquids up to 15 feet and fill a 55 gallon drum in less than 85 seconds. With the simple turn of a knob, the same stainless steel pump quickly empties the drum. The High Lift Reversible Drum Vac has the extra power you need to move liquids from below grade work areas, sumps or tanks up to 15 feet deep!

Like all of EXAIR's industrial vacuums, the High Lift Reversible Drum Vac uses no electricity and has no moving parts which assures maintenance free operation. It is designed for continuous and heavy duty applications where electric vacuums fail due to motor wear or clogged impellers. This vacuum efficiently and safely uses the compressed air in your facility. An automatic safety shutoff valve prevents overfilling.



**Pump Farther  
Pump Higher  
Pump Thicker  
Liquids**

If you need assistance choosing the right High Lift Reversible Drum Vac System, please contact an Application Engineer to discuss your application.

#### Applications

- Below grade coolant sumps
- Deep wells
- Underground storage tanks
- Pits
- Drains
- Deep hole broaching
- Bulk storage tanks
- Cisterns

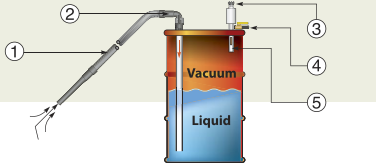
#### Advantages

- No moving parts
- Maintenance free
- Stainless steel construction
- Safe – no electricity
- Built-in pressure/vacuum relief
- Compact and portable
- Installs quickly
- Spill free – auto safety shutoff
- Fits standard closed head drums

## High Lift Reversible Drum Vac System Specifications

Pressure Supply 80 PSIG (5.5 BAR)	Air Consumption		Lift	Water Flow Flow Rate	Sound Level
DESCRIPTION	SCFM	SLPM	"H <sub>2</sub> O	mm Hg	GPM LPM
HIGH LIFT REVERSIBLE DRUM VAC	43	1,218	180	336	30 114
					83 dBA

### How The High Lift Reversible Drum Vac Works



The flex hose (1) is attached to the barbed connection (2) on the Reversible Drum Vac system. The knob (3) on the High Lift Reversible Drum Vac pump is set to the "fill" position. The air supply valve (4) is opened to permit compressed air at 80-100 PSIG (5.5 - 6.9 BAR) to flow through the High Lift Reversible Drum Vac pump which pulls liquid through the flex hose and into the drum. When all liquid is in the drum, the air supply is turned off. If liquid exceeds the drum capacity, the safety shut-off valve (5) will prevent overflowing. The liquid can then be pumped back out of the flex hose (1) by setting the knob (3) on the High Lift Reversible Drum Vac pump to the "empty" position and opening the air supply valve.

**Warning:** Do not use with any material with a low flash point or with flammable liquids such as fuel oil, alcohol, mineral spirits, gasoline or kerosene.



Model 6195, Model 6195-30 and Model 6195-110 High Lift Reversible Drum Vac Systems include a vacuum hose and an aluminum wand.



Model 6295 and Model 6295-30 Deluxe High Lift Reversible Drum Vac Systems include a drum dolly, ABS spill recovery kit, vacuum hose, tool holder and all tools.



Premium High Lift Reversible Drum Vac Systems include the drum, drum dolly, an upgrade to heavy duty aluminum tools, ABS spill recovery kit, tool holder and air hose.



Deluxe and Premium High Lift Drum Vac Systems include a drum dolly.

### High Lift Reversible Drum Vac Systems

Model #	Description
<b>6195</b>	55 Gallon High Lift Reversible Drum Vac System includes two-way pump assembly (1/4 NPT), shut-off valve, 20' (6.1m) flexible vacuum hose (1-1/2"/38mm I.D.) with 90° quick release elbow connection, (1) aluminum wand (drum not included).
<b>6195-30</b>	30 Gallon High Lift Reversible Drum Vac System - same as Model 6195 except fits a 30 gallon drum (drum not included).
<b>6195-110</b>	110 Gallon High Lift Reversible Drum Vac System - same as Model 6195 except fits a 110 gallon drum (drum not included).
<b>6295</b>	55 Gallon Deluxe High Lift Reversible Drum Vac System - same as Model 6195 and adds drum dolly, (2) extension wands, crevice tool, skimmer tool and tool holder (drum not included).
<b>6295-30</b>	30 Gallon Deluxe High Lift Reversible Drum Vac System - same as Model 6295 except fits 30 gallon drum (drum not included).
<b>6395</b>	55 Gallon Premium High Lift Reversible Drum Vac System - same as Model 6195 and adds the 55 gallon drum with lock ring and lid, drum dolly, ABS spill recovery kit, 11" (279mm) and 24" (610mm) aluminum crevice tools, skimmer tool, tool holder and 20" (6.1m) air hose.
<b>6395-30</b>	30 Gallon Premium High Lift Reversible Drum Vac System - same as Model 6395 except includes a 30 gallon drum.
<b>6395-110</b>	110 Gallon Premium High Lift Reversible Drum Vac System - same as Model 6395 except includes a 110 gallon drum.
<b>6095</b>	High Lift Reversible Drum Vac Only - included in all systems listed above.

### Accessories

Model #	Description	Model #	Description
<b>9001</b>	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)	<b>901071</b>	Heavy Duty Aluminum Tools plus Tool Holder
<b>9006</b>	Oil Removal Filter, 3/4 NPT, 50-150 SCFM (1,416-4,248 SLPM)	<b>9041-30</b>	30 Gallon Drum Dolly
<b>901067-30</b>	30 Gallon Drum with lock ring and lid	<b>9041</b>	55 Gallon Drum Dolly
<b>901067</b>	55 Gallon Drum with lock ring and lid	<b>9041-110</b>	110 Gallon Drum Dolly
<b>901067-110</b>	110 Gallon Drum with lock ring and lid	<b>6901</b>	Spill Recovery Kit includes a one-piece 54" (1372mm) ABS wand and 14" (356mm) double blade squeegee tool.
<b>6569-20</b>	20' (6.1m) Flexible Vacuum Hose (1-1/2"/38mm I.D.)	<b>901176</b>	Tool Holder

## Chip Trapper™

**Filter the chips out of your used coolant and cutting oils!**

**Vacuums in the liquid with solids, pumps out only the liquid!**



### What Is The Chip Trapper?

The patented\* Chip Trapper offers a fast, easy way to clean chips, swarf and shavings out of used coolants and other liquids. The Chip Trapper vacuums the coolant or liquid that is filled with debris and traps all the solids in a reusable filter bag. Only the liquid pumps back out. It is ideal for use on machines with sumps, parts washers, tanks and storage containers of contaminated liquids.



Watch the demo!

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

The Chip Trapper uses EXAIR's compressed air powered Reversible Drum Vac (included) that can fill or empty a 55 gallon drum in less than two minutes. Simply set the Reversible Drum Vac pump and directional flow control valve on top of the drum to "fill" for it to quickly vacuum the liquid with solids. Once the sump, pit or tank is empty, set the pump and directional valve to "empty" for it to pump out clean coolant/liquid. All the chips and other solids are trapped inside the reusable filter bag of the Chip Trapper.



Chips can accumulate in the sump, restricting coolant flow.

### Why The Chip Trapper?

A sudden lack of coolant flow in a machining operation will likely damage the part and expensive tooling. Machine tools commonly discharge some chips and shavings into the coolant sump. As the chips accumulate and mound up, the coolant flow used to flood the part and tooling becomes restricted. Some high pressure coolant systems sound an audible alarm and abruptly shut down the machine when low coolant flow occurs. This results in downtime to fix the problem and clear the alarm. That isn't the case with standard machines where immediate damage can occur if the operator fails to spot the lack of coolant. Regular cleaning of the coolant sump with the Chip Trapper can quickly eliminate this very costly problem.



The Chip Trapper pumps the coolant back into the sump – free of chips and debris.



Chip Trapper filters out solids from parts washer fluids.

### Applications

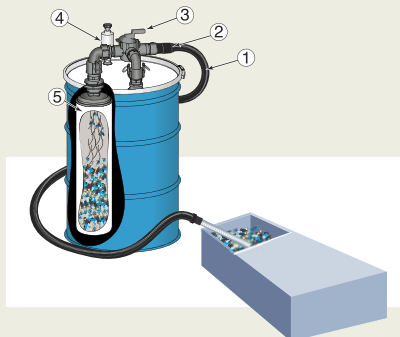
- CNC's
- Lathes
- Saws
- Mills
- Drills
- Parts washers
- Pits
- Tanks
- Containers
- Grinders

### Advantages

- Removes unwanted solids from liquid
- Recycles coolants
- No moving parts
- No motors to clog or wear out
- Self priming stainless steel pump
- Safe - no electricity
- Built-in pressure/vacuum relief
- Drum is included
- Spill free – auto safety shutoff
- Quiet

\*Patent #8153001 and #8268179

## How The Chip Trapper Works



The vacuum hose (1) is attached to the barbed connection of the Chip Trapper (2). The directional flow control valve on top of the drum (3) and knob on the pump (4) are set to the "fill" position. The air supply valve is opened to permit compressed air at 80-100 PSIG (5.5 – 6.9 BAR) to flow through the pump which pulls the liquid through the hose, then into the reusable filter bag (5). When all liquid is in the drum, the air supply is turned off. The filtered liquid can then be pumped out by setting the directional flow control valve on top of the drum and the knob on the pump to the "empty" position. Once the air supply valve is opened, the air pushes the liquid back through the hose while all solids remain in the reusable filter bag.

**Warning:** Do not use with any material with a low flash point or with flammable liquids such as fuel oil, alcohol, mineral spirits, gasoline or kerosene.

## Chip Trapper System Specifications

Pressure Supply 80 PSIG (5.5 BAR)	Air Consumption		Water Flow Rate		Sound Level
DESCRIPTION	SCFM	SLPM	GPM	LPM	86 dBA
CHIP TRAPPER	19	538	30	114	

The filter bag included with the system provides 5 micron filtration.

### Built To Last

The stainless steel pump has no motors or impellers to clog or wear out and there is no electricity or shock hazard! Safe operation is assured with a built-in pressure/vacuum relief and an automatic safety shutoff valve that prevents spills or overflowing.



The 5 micron filter bag traps all the chips so no solids get pumped back out of the drum.

The Chip Trapper includes the pump assembly with directional flow valve, a 30, 55 or 110 gallon drum, 10' (3m) chemical resistant hose, 20' (6.1m) compressed air hose, aluminum chip wand, (2) reusable 5 micron filter bags and drum dolly.

**Order Direct**  
We Ship From Stock

### Chip Trapper Systems

Model #	Description
6198	55 Gallon Chip Trapper System includes the Reversible Drum Vac pump assembly, directional flow valve, 55 gallon drum, lever lock drum lid, shutoff valve, 10' (3m) flexible vacuum hose (1-1/2"/38mm I.D.), 20' (6.1m) compressed air hose, chip wand, (2) filter bags and drum dolly.
6198-30	30 Gallon Chip Trapper System - same as Model 6198 except includes a 30 gallon drum
6198-110	110 Gallon Chip Trapper - same as Model 6198 except includes a 110 gallon drum.
6091	Reversible Drum Vac Only - included in all systems listed above.

### Accessories

Model #	Description	Model #	Description
901060-1	Replacement Filter Bag, 1 micron	901060-200	Replacement Filter Bag, 200 micron
901060	Replacement Filter Bag, 5 micron	901060-SP	Filter Bag Sample Pack- Includes one each 1, 25, 50, 100 & 200 micron bags
901060-25	Replacement Filter Bag, 25 micron	6901	Spill Recovery Kit includes a one-piece 54" (1372mm) ABS wand and 14" (356mm) double blade squeegee tool
901060-50	Replacement Filter Bag, 50 micron	9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
901060-100	Replacement Filter Bag, 100 micron		

## High Lift Chip Trapper™

**Filter chips and solids out of used coolant and liquids from below grade sumps or elevated tanks!**

**Vacuum in liquid with solids and pump out only the liquid, with 15 feet of lift!**

### What Is The High Lift Chip Trapper?

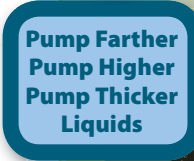
The patented\* High Lift Chip Trapper offers a fast, easy way to clean chips, swarf and shavings out of used coolants and other liquids. The High Lift Chip Trapper vacuums the coolant or liquid that is filled with debris and traps all the solids in a reusable filter bag. Only the liquid pumps back out. It is ideal for use on pits, wells, below grade sumps, tanks and storage containers of contaminated liquids.



### Why The High Lift Chip Trapper?

EXAIR's compressed air operated High Lift Chip Trapper System attaches quickly to the included 30, 55 or 110 gallon drum lid. Its high powered vacuum is able to lift liquids up to 15 feet or pump liquids from as far as 20 feet and fill a 55 gallon drum in less than 85 seconds. With the simple turn of a knob, the same stainless steel pump quickly empties the drum. The High Lift Chip Trapper has the extra power you need to move liquids from below grade work areas, sumps or tanks.

Wells, pits, below grade or elevated tanks can accumulate debris. This debris can cause problems when the liquid is transferred into a machine or process. Waste oil for heating or recycled lubricants which are suitable for dirtier jobs can be used without worry of solids damaging equipment. The heavy duty power of the High Lift Chip Trapper is capable of moving high viscosity liquids up to 1400 centipoise.



If you need assistance choosing the right High Lift Chip Trapper System, please contact an Application Engineer to discuss your application.

#### Applications

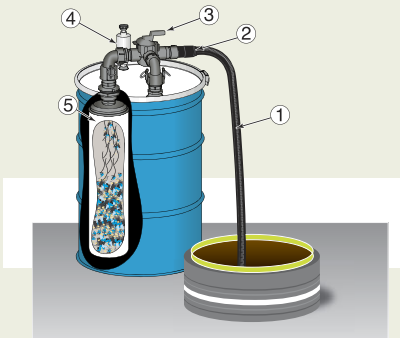
- Below grade coolant sumps
- Deep wells
- Underground storage tanks
- Pits
- Drains
- Deep hole broaching
- Bulk storage tanks
- Cisterns

#### Advantages

- Removes unwanted solids from liquid
- Recycles coolants
- No moving parts
- No motors to clog or wear out
- Self priming stainless steel pump
- Safe - no electricity
- Built-in pressure/vacuum relief
- Spill free - auto safety shutoff
- Quiet

\*Patent #8153001 and #8268179

## How The High Lift Chip Trapper Works



The vacuum hose (1) is attached to the barbed connection of the High Lift Chip Trapper (2). The directional flow control valve on top of the drum (3) and knob on the pump (4) are set to the "fill" position. The air supply valve is opened to permit compressed air at 80-100 PSIG (5.5 – 6.9 BAR) to flow through the pump which pulls the liquid through the hose, then into the reusable filter bag (5). When all liquid is in the drum, the air supply is turned off. The filtered liquid can then be pumped out by setting the directional flow control valve on top of the drum and the knob on the pump to the "empty" position. Once the air supply valve is opened, the air pushes the liquid back through the hose while all solids remain in the reusable filter bag.

**Warning:** Do not use with any material with a low flash point or with flammable liquids such as fuel oil, alcohol, mineral spirits, gasoline or kerosene.

## High Lift Chip Trapper System Specifications

Pressure Supply	Air Consumption	Lift	Water Flow Rate	Sound Level	
80 PSIG (5.5 BAR)	SCFM	SLPM	"H <sub>2</sub> O mm Hg	GPM LPM	
DESCRIPTION	43	1,218	180	336	30 114
HIGH LIFT CHIP TRAPPER					83 dBA

## Built To Last

The stainless steel pump has no motors or impellers to clog or wear out and there is no electricity or shock hazard! Safe operation is assured with a built-in pressure/vacuum relief and an automatic safety shutoff valve that prevents spills or overflowing.



See page 4 for complete details.



The High Lift Chip Trapper includes the pump assembly with directional flow valve, a 30, 55 or 110 gallon drum, 20' (6.1m) chemical resistant hose, 20' (6.1m) compressed air hose, aluminum chip wand, (2) reusable 5 micron filter bags and drum dolly.



The 5 micron filter bag traps all the chips so no solids get pumped back out of the drum.

## High Lift Chip Trapper Systems

Model #	Description
6190	55 Gallon High Lift Chip Trapper System includes the High Lift Reversible Drum Vac pump assembly, directional flow valve, 55 gallon drum, lever lock drum lid, shutoff valve, 20' (6.1m) flexible vacuum hose (1-1/2"/38mm I.D.), 20' (6.1m) compressed air hose, chip wand, (2) filter bags and drum dolly.
6190-30	30 Gallon High Lift Chip Trapper System - same as Model 6190 except includes a 30 gallon drum.
6190-110	110 Gallon High Lift Chip Trapper - same as Model 6190 except includes a 110 gallon drum.
6095	High Lift Reversible Drum Vac Only- Included in all systems listed above.

## Accessories

Model #	Description	Model #	Description
901060-1	Replacement Filter Bag, 1 micron	901060-200	Replacement Filter Bag, 200 micron
901060	Replacement Filter Bag, 5 micron	901060-5P	Filter Bag Sample Pack- Includes one each 1, 25, 50, 100 & 200 micron bags
901060-25	Replacement Filter Bag, 25 micron	6901	Spill Recovery Kit includes a one-piece 54" (1372mm) ABS wand and 14" (356mm) double blade squeegee tool
901060-50	Replacement Filter Bag, 50 micron		
901060-100	Replacement Filter Bag, 100 micron	9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)