

Drum Devil II Model 90650 (2-way liquid transfer)



The Air Research Technology Company

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1. OPERATING INSTRUCTIONS

The Drum Devil II Model 90650 creates a 8.5" HG vacuum in a steel drum when in the fill mode, enabling the operator to fill a 55 gallon steel drum in 1.5 minutes when using 80 PSI compressed air and 28 CFM.

The Drum Devil II Model 90650 creates up to 9 PSI of pressure inside the steel drum in the empty mode, enabling the operator to empty a 55 gallon steel drum in 1.5 minutes.

WARNING

Plastic drums or containers can not withstand the vacuum and pressure requirements of the Drum Devil II. Under no circumstances can a plastic container be used. Only steel drums in good condition will safely withstand the vacuum and pressure requirements of the Drum Devil II.

2. SET UP

1. Attach the on/off ball valve and pressure gauge assembly to the 1/4" NPT inlet of the Drum Devil II.
2. Thread the Drum Devil II stem into the 3/4" opening of the clean steel closed drum.
3. Screw the 2" plug into the 2" opening of the steel drum and connect the hose and cam assembly over the plug. Pull up on the rings to lock the hose in place.
4. With the handle of the on/off valve in a perpendicular (air off) position to the valve body, connect the compressed air supply hose to the 1/4" female NPT fitting of the ball valve. A quick connect with a full flow opening can be used for the connection to the valve, or a 1/2" hose with a 1/4" NPT male fitting.

IMPORTANT:

A smaller air supply hose could starve the Drum Devil II of enough air and even though the pressure is at 80 PSI, you may not get the desired results you are looking for.

Specifications Drum Devil System 90650

Recommended Usage:	Spill Pick-up/Liquid
Operating psi Range:	80-100 psi
Noise Level:	78 dBA
Vacuum Capabilities	8.5 HG @ 80 psi
Gallon of Water Pick-up/Min.	33 gpm
Range of Pick-up Materials	Water to Wet Sludge
Throat Size/Diameter	1.5"
Air Consumption 28 cfm	@ 80 ps

TO FILL THE DRUM USING THE DRUM DEVIL II IN A VACUUM MODE:

1. Follow the set up instructions for the installing the unit.
2. The black knob on the top of the Drum Devil II should be turned counter-clockwise until it is in a stop position.
3. On the open end of the hose, connect either the squeegee attachments for picking up spills, or the wand attachments for removing liquids from a container.
4. With the compressed air supply connected, turn the handle of the ball valve slowly to the on position. The top of the steel drum will be pulled in slightly as the Drum Devil II produces a vacuum in the drum.
5. Insert the wand in the liquid to be removed, or use the squeegee for spills. Pushing the squeegee away from you in slow strokes is effective in picking up the spilled liquid. The delrin float in the base of the drum Devil II will raise to shut off the air flow as the drum fills, preventing the drum from over filling.

TO EMPTY THE DRUM USING THE DRUM DEVIL II IN A PRESSURE MODE

1. Follow the set up instructions for installing the Drum Devil II.
2. Drop the 36" liquid exhaust PVC tube into the drum through the 2" drum plug installed during set up. Lock the cam back in place by pulling up the metal rings.
3. With the compressed air supply off, turn the black knob on top of the unit. It is not necessary to over tighten the knob.
4. Hold the open end of the hose over a suitable container to receive the liquid from the steel drum.
5. Slowly turn the ball valve to the on position with the handle parallel to the body of the valve.
6. Return the handle to the closed position when the drum has been emptied.

Model	Description
90650	Drum Devil II System
90651	Drum Devil Only
90500-17	Locking Hose Cam
90403	19" Pick Up Wand (2)
90700-11	Vacuum Gauge/Valve Assembly
90500-13	Squeegee
90500-14	10' x 1 1/2" Balck Smooth Wall Hose
90500-16	2" Drum Connection Plug
90500-15	Liquid Exhaust Pipe
90405	Crevice Tool
90407	Skimmer

Caution:

The Drum Devil II should not be used for volatile or hazardous liquids or chemicals.

ASK ABOUT

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STRONGMAN SMARTVAC MODEL 99755



SMARTVAC (Smart Vacuum Systems)

SmartVac Model 90755 Operates Like a Wet/Dry Vacuum Without Electricity for Dry Materials or Wet Spills Pick-Up

**STRONGMAN SmartVac Model 99755
50% HIGHER VACUUM, FASTER DEBRIS REMOVAL**

The StrongMan SmartVac gets the job done!

Using normal shop compressed air of 80 psi, this portable vacuum creates up to 50% more vacuum than other shop vacuums and is 50% quieter than electric vacs. There are no moving parts to wear out and no maintenance. The SmartVac does an excellent job of picking up spilled fluids with the 15" wide squeegee attachment or dry chips and materials. A metal or plastic drum can be used.

The SmartVac Model 90755 system includes the SmartVac, 10' of 1-1/2" hose, on/off valve with pressure gauge, squeegee, pick-up wands, crevice tool, round brush, drum cover, bolt locking ring, filter bag and steel castered dolly for easy mobility.

The SmartVac Model 90730 includes the above items, but has a lid to fit on a 30 gallon drum.

ADVANTAGES-SMARTVAC 90755/99755

- High vacuum
- Fast debris removal
- Heavier material pick-up
- Portable
- Rugged, reliable for industrial use
- No electricity

ASK ABOUT

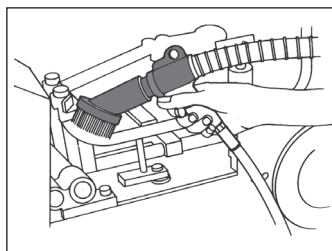
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SPEEDVAC SYSTEM MODEL 90400



SPEEDVAC (Smart Vacuum Systems)

SpeedVac Workstation Cleaner Gives Shop Vacuum Results Without Electricity or Hassle — Vacuum and Blow Gun in One Unit



Printing

Frequent clean-ups of offset powder improve product quality and the work environment near printing presses. Clean-up is easy and convenient with the SpeedVac Model 90400.

ADVANTAGES-SPEEDVAC

- Compact, lightweight and low cost
- No electric motor
- No moving parts
- No clumsy canister to empty
- Powerd by ordinary compressed air
- It can vacuum wet chips or dry matter directly into an open container
- **It switches from vacuum to blow mode with a simple reverse of the air chamber.**
- The trigger switch is used for on/off.

The Model 90400 system includes:

One SpeedVac Gun(Model 90401),
10' hose x 1-1/4", two extension tubes,
skimmer, 3" round brush, and crevice tool.
All Items Available Separately