

DRUM DEVIL MODEL 90600

Smart Vacuum Systems



The Air Research Technology Company

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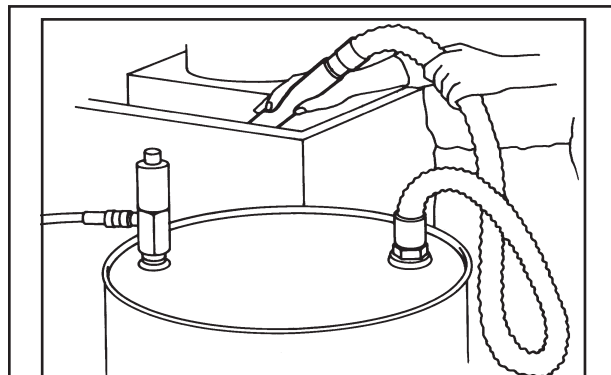
1. OPERATING INSTRUCTIONS

The AiRTX Drum Devil Model 90600 suction pump operates in conjunction with a standard drum and factory-compressed air. The Drum Devil operates by passing near sonic air through a .002" annular orifice, creating a vacuum of 8.5" Hg @ 80 psi within the drum. It is recommended that the Drum Devil only be used with steeldrums which are in good condition.

2. SET-UP OF DRUM DEVIL MODEL 90600

- a. Thread the Drum Devil stem into the 3/4" threaded opening on the drum. Teflon tape can be used to ensure a tight connection.
- b. Thread the 2" threaded plug fitting into the larger threaded opening on the drum.
- c. Hook up a regulated 3/8" or 1/2" air line to the 1/4" NPT ball valve located on the Drum Devil. To prevent line debris from interfering with pump performance, an air line filter is recommended. **AiRTX Air Filter Model 90175** can be used with the Drum Devil Model 90600.
- d. Insert the 90° Hose Cam cuffed hose securely over the plug fitting now located on the drum.
For liquid transfer insert the free end of the hose, with or without attachments, into the liquid to be vacuumed and turn on the air supply, regulated to a working pressure between 70 and 90 psi. A float valve located on the bottom of the Drum Devil will automatically shut off the unit when the drum is full. The ball valve on the Drum Devil may also be used to turn off the unit at any time during operation.
- e. For wet chip pick up, insert the wand, crevice tool, brush, or skimmer onto the end of the wands. The squeegee tool can be used to pick up liquids from floor areas. Press down and push the squeegee tool away from you to quickly pick up liquid spill.

Drum Devil at Work



Metalworking

The Drum Devil easily pulls sludge, oil, coolant or wet chips into drums for convenient handling and disposal.

Specifications Drum Devil System 90600

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

Model	Description
90600	Drum Devil System
90600-1	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" Black Smooth Wall Hose
90500-16	2" Drum Connection Plug
90405	Crevice Tool
90407	Skimmer

CAUTION:

IT IS NOT RECOMMENDED TO USE THE DRUM DEVIL MODEL 90600 WITH FLAMMABLE LIQUIDS SINCE A STATE OF VACUUM MAY LOWER THE FLASH POINT.

DO NOT USE WITH PLASTIC DRUM - ONLY GOOD CONDITION METAL DRUMS

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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

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DRUM DEVIL II Model 90650



DRUM DEVIL II MODEL 90650 (Smart Vacuum System)

The Smart Two-Way Liquid Transfer and Liquid Spill Pick-Up System

Both Fills and Empties a container

Drum Devil II Model 90650

(Two-way liquid transfer) Both fills and/or empties a 55 gallon drum in less than 2 minutes Easily switches from vacuum mode, filling the container, to empty mode by turning knob on the top of the unit.

ADVANTAGES- DRUM DEVIL I/II Model 90600/90650

- Larger tank capacity than industrial shop vacuums
- Eliminates double handling of toxic materials and emptying vacuum canister
- Eliminates need for "floor dry" absorbent
- No efficiency loss after each use unlike electric-powered shop vacuums
- The Drum Devil and Drum Devil II are made of stainless steel
- The Drum Devil and Drum Devil II have automatic float valve to prevent overfilling
- Both Model 90600 and 90650 easily pick up high viscosity liquids, chips & sludge

Beats shop Vacuums on reliability, performance, longevity and price!

Both Model 90600 and 90650 are safe in wet areas requiring no electricity

The Drum Devil Systems includes all accessories needed to go to work immediately. Components also sold separately.