



700 SERIES AIR VACUUMS

Desco Venturi Technology Delivers High Efficiency Containment *For Less!*

Desco critical filtration vacuums contain up to 99.999% of all ultra fine particles down to 0.12 microns.

Walk-Behind Scarifiers



Hand-Held Scarifiers



Needleguns



Impact Tools



Sanders and Abrasives



Specialty Products



Critical Filter Vacuums



Hoses & Fittings

55 Gallon 2V:
340.87255.01 (HEPA)
340.70255.01 (Wet/Dry)

55 Gallon 1V:
340.87555.01 (ULPA)
340.70555.01 (Wet/Dry)

30 Gallon 1V:
340.87530.01 (ULPA)
340.73103.01 (Wet/Dry)



6 Gallon:
340.87506.01 (ULPA)
340.70506.01 (Wet/Dry)

15 Gallon:
340.87515.03 (ULPA)
340.70515.01 (Wet/Dry)

Critical Filtration Standards

Acronym	Meaning	Particle Containment Efficiency	Smallest Particle Contained
HEPA	High Efficiency Particulate Air	99.970%	0.30 micron
ULPA	Ultra Low Particulate Air	99.999%	0.12 micron

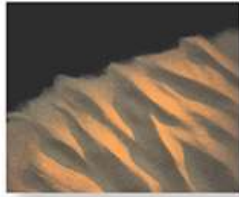
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Efficiently Vacuums...



Gravel



Sand



Iron Oxide



Metal Shavings



Pellets



Oil & Sludge



Asbestos



Toxic Waste

General Overview

- No moving parts to replace, no motors or switches to replace
- Silenced down to low 80 dba
- Stainless steel or electrostatically applied painted tanks
- Uses compressed air and the venturi principle to create a vacuum of exceptionally high flow and high static lift
- Ideal for areas where standard voltage is not available
- Capable of lifting or moving an extensive variety of solid or liquid materials
- Large range of tank sizes, filter arrangements, venturi and hose sizes, tools & attachments for wet/dry pick up

Specialized Markets

- Radioactive Decontamination
- Lead Abatement
- Demolition Contractors
- Beta Hot Spot Removal
- Hex Chrome Abatement
- Mold Abatement
- Bio Hazard Clean-Up
- Clean Room Decontamination
- Decontamination Contractors
- Hazardous Waste Removal
- Toxic Chemicals Removal

Industrial Markets

- Shipyards
- Nuclear Power Plants
- Naval Bases
- Utility Plants
- DOD Facilities
- DOE Facilities
- Machine Shops
- Oil Refineries
- Chemical Manufacturing Plants
- Steel Mills
- Health Care Facilities
- Aerospace

Applications

- Flammable Liquid Pick Up
- Hex Chrome Remediation
- Asbestos Abatement
- Coating Removal
- Mold Remediation
- Padeye Liquid Removal
- Cloverleaf Liquid Removal
- Dust-Free Sanding / Grinding
- Lead Paint Removal
- Hazardous Destruction
- Sludge Removal
- Aluminum Chips
- Ceramic Oven Materials
- Corrosion Removal
- Iron Oxide
- Indoor Air Control
- Waste Water
- Gravel
- Dirt and Sand
- Steel Chip

Productivity

- 180" of waterlift on every air vacuum model
- High CFM from 166 cfm (4 gal) to 364 cfm (55 gal with dual venturi)
- Capable of filling a 55 gallon barrel with liquid in less than 60 seconds

Specialty Applications



Cloverleaf (pictured) and Padeye liquid removal

Accessories



Industrial Tool Kit and accessories available

Specifications ¹	6 Gallon	15 Gallon	30 Gallon	55 Gallon 1 Venturi	55 Gallon 2 Venturi ²	55 Gallon Flammable
Part No., Dry only/ULPA	340.87506.01	340.87515.03	340.87530.01	340.87555.01	340.87255.01	N/A
Part No., Wet/Dry	340.70506.01	340.70515.01	340.70530.01	340.70555.01	340.70255.01	340.87355.01
Dry Capacity	.46ft ³ (.01m ³)	1.86ft ³ (.05m ³)	3.72ft ³ (.10m ³)	7.164ft ³ (.20m ³)	7.164ft ³ (.20m ³)	7.164ft ³ (.20m ³)
Wet Capacity	3.5 gal (13 ltr)	10.0 gal (38 ltr)	20.0 gal (76 ltr)	45 gal (170 ltr)	45 gal (170 ltr)	45 gal (170 ltr)
Static Lift	180" (4572mm)	180" (4572mm)	180" (4572mm)	180" (4572mm)	180" (4572mm)	180" (4572mm)
Air Flow	166 cfm	166 cfm	166 cfm	182 cfm	364 cfm	182 cfm
Air Line	1/2" (1.2 cm)	1/2" (1.2 cm)	1/2" (1.2 cm)	1/2" (1.2 cm)	3/4" (1.9 cm)	1/2" (1.9 cm)
Input Pressure	100 psi	100 psi	100 psi	100 psi	100 psi	100 psi
Input Volume	37 cfm	42 cfm	42 cfm	46 cfm	91 cfm	46 cfm
Venturi	Single	Single	Single	Single	Twin	Single
Hose Connection	1/2" Quick	1/2" Quick	1/2" Quick	1/2" Quick	3/4" Quick	1/2" Quick
Wheel Size, Front	N/A	3"	5"	5"	5"	5"
Wheel Size, Rear	N/A	8"	5"	5"	5"	5"
Weight	27 lbs	51 lbs	98 lbs	122 lbs	127 lbs	181 lbs

¹ Specifications subject to change without notice.

² The 55 gallon dual venturi model is available with HEPA filtration.



Desco manufactures a complete line of surface preparation equipment specializing in applications requiring dust-free removal. Desco manufactures the highest quality surface preparation equipment on the market today combining efficient vacuum systems for complete containment of hazardous and contaminated materials.

Our reputation for innovative solutions is sustained by decades of solving special needs and unusual problems of the industries we serve.