

## External Filter Wet/Dry Jumbo Air Vacuum

Simultaneous bulk wet and dry recovery, powered by compressed air for maximum performance



### Rapid Recovery

Powered by compressed air, the External Filter Wet/Dry Jumbo Air Vacuums create waterlift substantially beyond that found in traditional wet/dry vacuums. The units are designed for industrial applications requiring extremely aggressive pick-up power. These machines' roles are primarily for rapid high-volume recovery of wet and dry debris. Available units are Single, Dual, and Quad Air Jumbos.

### Wet and Dry Pick-up

From the assembly line to the tool shop, these units handle such challenges as water, oil, solvent, and a variety of other common types of debris in an industrial environment. Better yet, the units can recover wet and dry material without the need to stop and change or clean an internal filter. That means minimal stoppages and no more operator guesswork on choosing the right filter for the right application. It should be noted that an air compressor, airline, and line couplings are required for operation and are not available from Tornado<sup>®</sup>.

### Power and Capacity

For a Tornado<sup>®</sup> jumbo vac system, the priority is power and capacity. Patented Venturi powerheads with incredible waterlift are fitted on a 55-gallon steel drum. The drum sits on a four-wheel steel dolly for easy transport. Large external filters and support rods come standard with the unit. A wide selection of optional tools and attachments are available for a variety of applications.

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### Single Air Jumbo

A minimum 15-HP air compressor system is required that can maintain 30 to 60 psi at the vacuum gauge (with the vacuum valve open) for light wet/dry recovery and 60 psi to 100 psi for maximum pick-up power for materials such as heavy liquids, slurries, sludge, and heavy debris.

### Dual Air Jumbo

A minimum 25-HP air compressor system is required that can maintain 30 to 60 psi at the vacuum gauge (with the vacuum valve open) for light wet/dry recovery and 60 psi to 90 psi for maximum pick-up power for materials such as heavy liquids, slurries, sludge, and heavy debris.

### Quad Air Jumbo

A minimum 50-HP air compressor system is required that can maintain 50 to 75 psi at the vacuum gauge (with the vacuum valve open) for general wet/dry recovery and 75 psi to 100 psi for maximum pick-up power for materials such as heavy liquids, slurries, sludge, and heavy debris.



### SINGLE AIR JUMBO

#### 95955 Single Air Jumbo External Filter Wet/Dry Vacuum

The unit comes packaged complete with drum, powerhead, filter, support rod, and dolly. This unit is appropriate for water, cutting oil, machine oil, solvent, and powder.

### DUAL AIR JUMBO

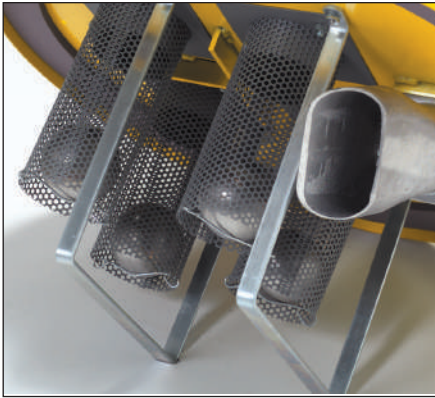
#### 95962 Dual Air Jumbo External Filter Wet/Dry Vacuum

The unit includes drum, two powerheads, two filters, two support rods, and dolly. It is intended for recovery of heavy oil, paint stripper, sawdust, powder, sand, and general plant debris.

### QUAD AIR JUMBO

#### 98451 Quad Air Jumbo External Filter Wet/Dry Vacuum

This model is packaged standard with drum, four powerheads, filters, support rods, and dolly. The Quad Air Jumbo is suitable for heavy oils and sludges as well as shot and slag. This is one of the most powerful portable vacuums available in the industry today. This unit is intended for large manufacturing facilities and heavy industrial plants that can handle the compressed air requirements necessary to run this unit.



### Uncompromising power

The External Air Jumbos utilize Venturi powerheads that generate powerful waterlift. Liquid shut-off floats come standard with the quad vac, shown here. Floats can be ordered as an option on the Single and Dual.



### Operational requirements

The units come equipped with the fitting and in-line pressure gauge like that pictured here. Simply connect your airline to this fitting to ready the vacuum for operation. An air compressor, airline, and line couplings are required for operation.



### Rugged

The 55-gallon, rolled-top, ribbed steel drum is superior to plastic or stainless steel tanks for heavy duty applications. The drum also features an industrial gate valve for ease in emptying liquids.

### Mobile

Despite their size and power, Tornado® Jumbo Vacs are highly portable, thanks to a four-wheeled dolly, included standard.



### SINGLE AIR JUMBO EXTERNAL FILTER WET / DRY VACUUM APPLICATION GUIDE

DEBRIS/MATERIAL	EXCELLENT PERFORMANCE	GOOD PERFORMANCE	RECOMMENDED AIR JET*
WATER	✓		3/16"
CUTTING OIL	✓		3/16"
MACHINE OIL	✓		7/32"
HEAVY OIL		✓	1/4"
SOLVENT	✓		3/16"
POWDER		✓	3/16"

\* The unit is shipped standard with a 3/16" jet installed in the Venturi powerhead. A 7/32" and 1/4" jet is supplied in the unit and can be installed by the user. These larger jets are used to increase performance for the recovery of heavier materials although the smallest air jet possible to do the job is strongly recommended to conserve plant air.

### QUAD AIR JUMBO EXTERNAL FILTER WET / DRY VACUUM APPLICATION GUIDE

DEBRIS/MATERIAL	EXCELLENT PERFORMANCE	GOOD PERFORMANCE	RECOMMENDED AIR JET*
HEAVY OILS	✓		7/32"
SLUDGE	✓		1/4"
IRON DUST AND CHIPS	✓		1/4"
SAND BLASTING RECOVERY	✓		1/4"
PELLET RECOVERY	✓		3/16"
SHOT BLAST	✓		1/4"
SLAG AND SCALE	✓		1/4"

\* The unit is shipped standard with a 1/4" jet installed in the Venturi powerhead. A 3/16" and 7/32" jet is supplied in the unit and can be installed by the user. These larger jets are used to increase performance for the recovery of heavier materials although the smallest air jet possible to do the job is strongly recommended to conserve plant air.

### DUAL AIR JUMBO EXTERNAL FILTER WET/DRY VACUUM APPLICATION GUIDE

DEBRIS/MATERIAL	EXCELLENT PERFORMANCE	GOOD PERFORMANCE	RECOMMENDED AIR JET*
MACHINE OIL	✓		3/16"
HEAVY OIL	✓		7/32"
PAINT STRIPPER	✓		1/4"
GENERAL DEBRIS	✓		3/16"
SAWDUST	✓		3/16"
POWDER	✓		3/16"
SAND	✓		7/32"
METAL GRINDINGS AND CHIPS		✓	7/32"

\* The unit is shipped standard with a 3/16" jet installed in the Venturi powerhead. A 7/32" and 1/4" jet is supplied in the unit and can be installed by the user. These larger jets are used to increase performance for the recovery of heavier materials although the smallest air jet possible to do the job is strongly recommended to conserve plant air.

### CFM vs. Waterlift

Many competitive vacuum systems use waterlift as the primary measure of effectiveness and power. In a heavy industrial application, however, such vacs may lack sufficient airflow (cubic feet per minute, or CFM) to meet requirements. A unit's CFM tells the true story of its capability in bulk recovery environments. With high-levels of airflow (up to 340 CFM on the Dual Jumbo), a Tornado Electric Jumbo Vac System is ideal for rapid, efficient high-volume debris recovery.



**SINGLE AIR JUMBO**

**DUAL AIR JUMBO**

**QUAD AIR JUMBO**

**PRODUCT SPECIFICATIONS**

MODEL	SINGLE AIR JUMBO VACUUM	DUAL AIR JUMBO VACUUM	QUAD AIR JUMBO VACUUM
CATALOG NUMBER	95955	95962	98451
VENTURI POWERHEADS/CFM	One/82	Two/160	Four/258
WATERLIFT	242"	239"	200"
STEEL TANK	55 Gal.	55 Gal.	55 Gal.
VERTICAL LIFT/HORIZONTAL REACH	15'/30'	25'/50'	50'/100'
POLY EXTERNAL FILTERS	One	Two	Two
FILTER AREA	1874 sq. in.	3748 sq. in.	3748 sq. in.

**WARRANTY**

LABOR	1 year*	1 year*	1 year*
PARTS	2 years*	2 years*	2 years*

**STANDARD REPLACEMENT COMPONENT PARTS**

55-GALLON DRUM	95942	95942	95942
LARGE POLY FILTER	90378 (1 Req.)	90378 (2 Req.)	90488 (2 Req.)
SUPPORT ROD	98049 (1)	98049 (2)	98049 (2)
4-WHEEL DOLLY	98088	98088	98088
ADAPTER	90331 (1.5")	90332 (2")	90332 (2")

**REQUIRED FOR OPERATION (NOT available from Tornado\*)**

MINIMUM RECOMMENDED AIR COMPRESSOR	15 HP	25 HP	50 HP
RECOMMENDED AIRLINE	1/2" Diameter	3/4" Diameter	1" Diameter
RECOMMENDED LINE COUPLINGS	Straight-Thru	Straight-Thru	Straight-Thru
REQUIRED AIR LINE	30-60*	30-60*	50-75*
REQUIRED AIR LINE PSI FOR LIGHT DEBRIS	60-100*	60-90*	75-100*

\* Measured at the vacuum air line gauge with valve open and unit operating.

**OPTIONAL ITEMS AND ACCESSORIES FOR SINGLE AIR JUMBO VAC**

CATALOG NUMBER	95955
LIQUID SHUT-OFF FLOAT	90569 (1 req.)
1.5" WET/DRY ATTACHMENT	90637*
<b>90637 includes the below items.</b>	
1.5" X 15' URETHANE STATIC CONDUCTIVE HOSE W/O SLEEVE	90688
DOUBLE CURVED 1.5" WAND	90286
14" X 1.5" SQUEEGEE TOOL	90240
14" X 1.5" FLOOR TOOL	90242
18" X 1.5" ROUND NOZZLE	90414
1.5" HOSE ADAPTER	90331

\* Other attachment sets are also available in the Tornado® Buyers Guide.

**OPTIONAL ITEMS AND ACCESSORIES FOR DUAL AND QUAD ELECTRIC JUMBO**

CATALOG NUMBER	95962	98451
LIQUID SHUT-OFF FLOAT (2 REQ.)	90569 (2 req.)	90569 (4 inc.)
2" WET/DRY ATTACHMENT SET	90633**	90633**
<b>90633 includes the below items.</b>		
2" X 10' URETHANE POLY HOSE W/O SLEEVE***	90312	90312
2" ALUMINUM WAND	90327	90327
12" X 2" FLOOR GULPER TOOL W/ BRASS SHOES	90320	90320
22" X 2" SQUEEGEE FLOOR TOOL	90317	90317
18" X 2" ROUND NOZZLE	90444	90444
2" JUMBO HOSE ADAPTER	90332	90332

\* Other attachment sets are also available in the Tornado® Buyers Guide.

\*\* Note: Poly hoses are not oil resistant. When recovering oils, an additional Neoprene hose, which is oil and abrasive resistant, should be purchased.