



Innovative Cleaning Systems
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I N T E R N A L W E T - O N L Y J U M B O A I R V A C U U M S



DUAL AIR WET JUMBO
QUAD AIR WET JUMBO

Aggressive recovery, powered by compressed air for maximum performance

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

From the assembly line to the tool shop, these units handle such challenges as heavy oil, machine oil, ink, sludge, and a variety of other common types of liquid debris in an industrial environment.

It should be noted that an air compressor, airline, and line couplings are required for operation and are not available from Tornado.

For a Tornado jumbo vac system, the priority is power and capacity. Patented Venturi powerheads with incredible waterlift are fitted on a ribbed, 55-gallon steel drum. The drum sits on a four-wheel steel dolly for easy transport. A wide selection of optional tools and attachments (see back page) are available for a variety of applications.



95961 Internal Dual Air Jumbo Vacuum
The unit comes packaged complete with drum, two internal Venturi powerheads, and dolly. This unit is appropriate for machine oil, heavy oil, and ink.



98450 Internal Quad Air Jumbo Vacuum
The unit includes drum, four internal Venturi powerheads, and dolly. It is intended for the recovery of heavy oils and industrial sludge. 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.

INTERNAL WET-ONLY JUMBO AIR VACUUMS

Internal 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 recovery and 60 psi to 100 psi for maximum pick-up power for materials such as heavy liquids, slurries, sludge, and other heavy liquid debris.

Internal Quad Air Jumbo

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



Uncompromising power

The Internal 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 dual unit.



Mobile

Despite its size and power, the unit is highly portable thanks to a four-wheeled steel dolly, included standard with all jumbo vac systems.



Rugged

The 55-gallon rolled-top drum is constructed of steel, ideal for heavy duty applications beyond the capability and capacity of traditional plastic or stainless steel tanks. It includes an industrial drain valve for convenient emptying of liquid debris.



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.

DUAL AIR JUMBO WET-ONLY INTERNAL VACUUM APPLICATION GUIDE

DEBRIS/MATERIAL	EXCELLENT PERFORMANCE	GOOD PERFORMANCE	RECOMMENDED AIR JET*
MACHINE OIL	✓		3/16"
HEAVY OIL	✓		7/32"
INK	✓		1/4"
SLUDGE		✓	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.

QUAD AIR JUMBO WET-ONLY INTERNAL VACUUM APPLICATION GUIDE

DEBRIS/MATERIAL	EXCELLENT PERFORMANCE	GOOD PERFORMANCE	RECOMMENDED AIR JET*
HEAVY OILS	✓		1/4"
SLUDGE	✓		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.

PRODUCT SPECIFICATIONS

MODEL	CATALOG NUMBER	VENTURI POWERHEADS/CFM	CFM (2" ORIFICE)	WATERLIFT	STEEL TANK	VERTICAL LIFT/HORIZONTAL REACH
DUAL AIR WET-ONLY JUMBO VACUUM	95961	Two	160	242"	55 Gal.	25'/50'
QUAD AIR WET-ONLY JUMBO VACUUM	98450	Four	258	200"	55 Gal.	50'/100'

STANDARD REPLACEMENT COMPONENT PARTS

MODEL	CATALOG NUMBER	55-GALLON DRUM	LIQUID SHUT-OFFS	4-WHEEL DOLLY	2" HOSE ADAPTOR
DUAL AIR WET-ONLY JUMBO VACUUM	95961	95942	90569 (2 Included)	98088	90332
QUAD AIR WET-ONLY JUMBO VACUUM	98450	95942	90569 (4 Included)	98088	90332

REQUIRED FOR OPERATION (NOT available from Tornado)

MODEL	MINIMUM RECOMMENDED AIR COMPRESSOR	RECOMMENDED AIRLINE	RECOMMENDED LINE COUPLINGS	REQUIRED AIR LINE PSI FOR LIGHT DEBRIS	REQUIRED AIR LINE PSI FOR HEAVY DEBRIS
DUAL AIR WET-ONLY JUMBO VACUUM	25 HP	3/4" Diameter	Straight-Thru	30-60*	60-100*
QUAD AIR WET-ONLY JUMBO VACUUM	50 HP	1" Diameter	Straight-Thru	50-75*	100*

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

OPTIONAL ITEMS AND ACCESSORIES

90633 includes the below items.								
MODEL	CATALOG NUMBER	2" WET/DRY ATTACHMENT SET	2" X 10' POLY HOSE**	2" ALUMINUM WAND	2" X 12" FLOOR GULPER TOOL W/ BRASS SHOES	2" X 22" ALUMINUM SQUEEGEE FLOOR TOOL	2" X 18" ROUND NOZZLE	2" HOSE ADAPTER
DUAL AIR WET-ONLY JUMBO VACUUM	95961	90633*	90312**	90327	90320	90317	90444	90332
QUAD AIR WET-ONLY JUMBO VACUUM	98450	90633*	90312**	90327	90320	90317	90444	90332

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

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

