

TW2000® Four Inch Diesel Driven Wheel Wash System Specifications

Base TW®2000 wheel wash unit

Wash Basin

Construction	Solid steel wash deck, no elevated grating in wash unit alleviating the risk of structural failure
Weight Capacity	20,000 lbs per axle
Self Cleaning	38 flushing sprays that constantly clean wash deck as vehicles drive through
Portability	Total unit (not just components) completely portable no need for civil work.
Space Requirements	Relatively flat compacted area 70' x 40'. (including ramps and filtration tank)
Nozzles, Pressure & Flow	190 nozzles @ 80 PSI 40 flushing @ 4.2 GPM 150 floor and side sprays @ 2.7 GPM
Length	36 feet 1 inch (MINIMUM OF 3 TIRE ROTATIONS)
Width Out Side Measurement	11 feet 2 inches
Width In Side Measurement	8 feet 10inches
Weight	25,000 lbs

Filtration/Recycling Tank

Tank	A stand alone above ground tank, portable for disposal on or off site. A sealed tail gate allows complete access and disposal. Potable water is not necessary.
Filtration	VEWI standard five (5) stage system. First a heavy gauge screen, followed by three weighted filter fabrics in series from porous to fine, attached to manual cranks which are down for operation and up for

disposal of debris. The final screener with 3/16 inch holes is attached inside to the out flow valve back to the return pump. Water Supply Auto fill available with direct water hookup.

Length	22 feet
Width	7.92 feet
Height	6 feet
Weight	7,450 lbs
Water Capacity	7,800 gallons

Pumps

High Pressure (Tank to Wash Basin)

Gorman Rupp Model 04B3-F4L	4"X 4" NPT Female
Diesel Driven, 2 Wheel Kit	
Dimensions	L=84" x W=36" x H=41"
Weight	1770 lbs
Fuel Tank Capacity	38.90 US Gallons

Low Pressure (Wash Basin to Tank)

Gorman Rupp Model PA4A60C-F3L	4"X 4" NPT Female
Diesel Driven 2 Wheel Kit	
Dimensions	L=88.00" x W=51.75" x H=61.00"
Weight	2855 lbs
Fuel tank capacity	61 US Gallons

Auto Controls

Magnetic Field Sensors or Photo-Eye Sensors located at both ends of wash basin. Timer substituted at exit end. Actuators controlling RPMs from a low level to high level
Manual control switch for entrance/exit from either side
Level sensors & pressure gauges

Hoses and Fittings

All hoses, fittings, cam & groove couplings, valves and nozzles included

Wash Out Package

50' 1.5" Hose and HP Nozzle

Overspray Control

Additional ten foot side curtains to prevent water loss

Optional Equipment

Ramps

Dimensions
Weight

L = 15' x W = 11' 2" x H = 1'
4,100 lbs
Construction Steel beam structure, solid welded grating covering entire surface

Heater

56,000 BTU Beckett Burner (thermostatically controlled) to heat water in filtration tank Fueled from high pressure pump fuel tank.

Dust Control System

50' ¾" hose
4 Sprinkler Heads
1 reducer

½ Pint Add'l Holding Tank

Dimensions
Weight
Water Capacity

L = 144" x W = 90" x H = 95"
5080 lbs
5300 US Gallons

Quart Add'l Holding Tank

Dimensions
Weight
Water Capacity

L = 264" x W = 95" x H = 90"
6080 lbs
9500 US Gallons

Additional Filtration

VEWI base filtration tank

Inside base filtration tank Additional 1 to 4 filter fabrics and assemblies

Cyclonator

External in line filtration.

Discharge water filtration

Filter socks that meet or exceed EPA regulations for discharge to storm drains.

Odor control, coagulants & disinfectants

Added per customer requests

ALL OPTIONS ARE ABLE TO BE ADDED WITHOUT SIGNIFICANT CHANGES TO BASE WASH UNIT