



Available with a variable UHP pump to control your water pressure and flow.



Cleans into the grooves to extend the time before the next removal is required.



Organic materials and particles filter from water to 0.35 microns.



Single pass paint removal leaves surfaces clean and dry within minutes.

Ultra High Pressure Runway
Rubber and Paint Removal



KEY FEATURES AND BENEFITS

- Commercial truck chassis: Easy transport between cleaning sites; offsite waste disposal
- Cleaning head configuration for multiple applications; 34in. (0.86m) wide cleaning path for rubber removal; adjustable cleaning path for paint removal 6in. (0.15m) to 16in. (0.41m)
- Fresh water tank provides over 2 hours of continuous cleaning
- LCD operator interface provides fully computerized control and automated operation for efficient runway cleaning
- Roll-up doors provide safe accessibility to the high pressure pump and hydraulic components. Doors are constructed of noise reducing material
- No vacuum means less noise for the operator

HOW IT WORKS

- Within the Cyclone head, up to 24 sapphire-tipped spray nozzles mounted to high speed rotating arms, blast the surface with ultra-high pressure water
- Specially shaped turbine blades, mounted to the arms, create a swirling vortex of air, water, and loosened rubber or paint at 140 mph – equivalent to a category 4 cyclone storm
- As the Cyclone head moves along the surface, the Cyclone vortex provides a secondary cleaning effect, while simultaneously lifting the waste & water off the surface and whipping it into a small tank mounted on top of the head
- A high-volume macerator pump further emulsifies and pumps the recovered waste water slurry into the large 1,000 gallon (3,785 liter) waste recovery tank located at the rear of the vehicle
- Cyclone Technology non-vacuum design means less maintenance and lower annual fuel cost; resulting in a faster return on investment

Faster, Greener, Cleaner The Cyclone Difference

CYCLONE 4006 LT TECHNICAL SPECIFICATIONS

Cleaning Head Assembly	Permanently mounted, hydraulically controlled, multi-pivot point maneuverability. Cast aluminum housings, hydraulically driven rotation, fiberglass recovery tank. Belt-driven return pump. Each head max work pressure is 40,000 psi (2,700 bar) at 6gpm (21L/min.) Each head has a separate return tank and filtration screen. The spin of the Cyclone head creates vacuum like recovery*.
Cleaning Attachment	Gas powered, remote paint removal head up to 300ft. (91m) distance
Rubber Removal Head	40in. (1.01m) cast aluminum head with up to 34in. (0.86m) cleaning path
Paint Removal Head	24in. (60.96cm) cast iron with adjustable 6in. (15.24cm) to 16in. (40.64cm) cleaning path
Productivity (Rubber)	Up to 20,000ft ² . (1,858m ²) per hour
Productivity (Paint)	Up to 10,000 linear feet (3048 meters) per hour
Filtration System	Inlet water filtered to 0.35 micron over 260ft ² . of organic and particulate filtration
Water Filters	Minimum of two (2) filters before UHP pump: One (1) organic 50 micron filter, one (1) particle 0.35-micron filter
Water Pump	Positive displacement triplex plunger, with full pressurized lubrication, water cooled, 5.7gal. per minute @ 40,000 psi, 22.6 L/min. @ 2,758 bar, variable output from 6,000 psi (413 bar) to 40,000 psi (2,758 bar)
Fresh Water Tank	Fresh water capacity: 800gal. (3,028L), reclaim capacity: 1,000gal. (3,785L)
Reclaim Tank	Separates water from material. 1,000gal. (3,785L) total capacity. Powered dump with powered door for easy maintenance (Available in carbon or stainless steel)
Chassis	Third Party chassis available (Peterbuilt 220 260HP Diesel shown in picture)
Operating System	Split shaft PTO with creep drive. Independent cooling/radiator, package and hot shift PTO to engage/disengage water pump, travel in drive or hydrostatic mode. Cleaning mode: Engine operates at 1,500RPM
Controls	Automated cleaning controls. Computer monitored safety and maintenance system with automatic shutdown
Speeds	Cleaning speed: Up to 3.7mph (6km/hr), transport speed: Up to 65mph (105km/hr)
Brakes	Air brakes, front and rear, automatically adjusted 4 wheel drum brakes
Dimensions	(Dimensions with cleaning heads retracted): L 34ft. 4in. x 8ft. x 11ft. 6in. (10.5m x 2.4m x 3.5m)
Fuel Tank	45 gal (170L) total fuel capacity
Gross Vehicle Weight Rating	33,000 lbs. (15,000 kg)
Steering	Power Steering
Power Plant Engine	6.7L Paccar PX-6 250HP Tier 4 final, turbocharged liquid cooled engine
Pump Safety	Pressure relief burst disk will relieve all pressure if there is an increase of 7% above maximum recommended operating pressure

Specifications are subject to change without notice.

STANDARD FEATURES

- Uses half the water of other UHP solutions providing longer run time
- Simple, on-board, gravity based separation of waste from water
- Patented vacuum free Cyclone head provides full recovery, less maintenance and better fuel economy
- Fresh water filters remove organic material and particles to 0.35 microns
- Computer monitoring of the equipment and driver to protect both the surface and machine
- Ability to clean markings to restore reflectivity without removing glass beads

OPTIONAL CY200 UHP ATTACHMENT

- Same technology as CY4006 with instant recovery
- Walk-behind unit provides excellent maneuverability
- At 40,000 psi (2,757 bar) the CY200 UHP is ideal for paint removal
- Consistent results with a range of up to 300 feet (91 meters)



Contact Us For More Information



Headquarters: 800-626-7835

- www.sweeperland.com
- contact@sweeperland.com