



Able to dump solid material separate from waste water with a push of a button.



The spacious, cab-forward design of the 4006AC provides the best visibility for the operator.



The easy to use control panel provides the operator with full control of the machine at the push of a button. Automated controls improve efficiency and allow for safe operation.



Able to return the friction coefficient to acceptable levels in a single pass.

Ultra High Pressure Runway
Rubber and Paint Removal



KEY FEATURES AND BENEFITS

- Runway rubber and airfield paint removal using UHP water and recovery without a vacuum
- Clean center lines quickly and easily to restore reflectivity and greatly reduce paint costs
- Spacious operator's cab with direct visibility to the cleaning head
- Water capacity allows for up to 5 hours of continuous operation
- Instant recovery without a vacuum reduces fuel consumption by 30% and overall operating cost
- The simple design of the automated Cyclone System allows safe and accurate control of the cleaning process

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 AC TECHNICAL SPECIFICATIONS

Cleaning Head Assembly	Permanently mounted, hydraulically controlled, multi-pivot point maneuverability. Cast aluminum housing, hydraulically driven rotation, fiberglass recovery tank. Belt-driven return pump. Stainless steel ultra high pressure components. Instantaneous 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 3,000 linear ft. (914m) per hour
Filtration System	Inlet water filtered to 0.35 micron over 260 ft. 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. (21.6L) per minute @ 40,000psi, 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	1,600gal. (6,000L) corrosion resistant fiberglass
Reclaim Tank	Sand blasted and powder coated stainless steel. (Available in carbon or stainless steel). Separates water from material. 2,100gal. (7,949L) total capacity. Powered dump with powered door for easy maintenance
Chassis	10in. (0.25m) x 3in. (0.08m) x 1/4in. (0.0064m) wall cold rolled steel tubing frame on a 23,000lb. (10,433kg) rear axle and a 20,000lb. (9,072kg) front axle
Operating System	Foot pedal controlled hydrostatic drive
Controls	Automated cleaning controls. Computer monitored safety and maintenance system with automatic shutdown
Speeds	Variable operating speeds and transport speed up to 18mph (28.9km/h)
Brakes	Air brakes, front and rear automatically adjusted 4 wheel drum brakes
Dimensions	L = 30ft. (9.14m) x W = 8ft. (2.44m) x H = 10ft. (3.05m)
Fuel Tank	100gal. (379L) total fuel capacity
Gross Vehicle Weight Rating	56,000 lbs. (25,454 kg)
Steering	Hydraulic power steering
Power Plant Engine	9.0L Power Tech Interim Tier 4 / Stage III B, 375hp turbocharged liquid cooled diesel 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

- Designed specifically for airport applications
- Uses half the water of other UHP solutions providing longer run time
- Simple, on-board, gravity based separation of waste from water
- Patented Cyclone head provides full recovery without the need for a vacuum
- Choice of purpose-built airport chassis or commercial chassis
- 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