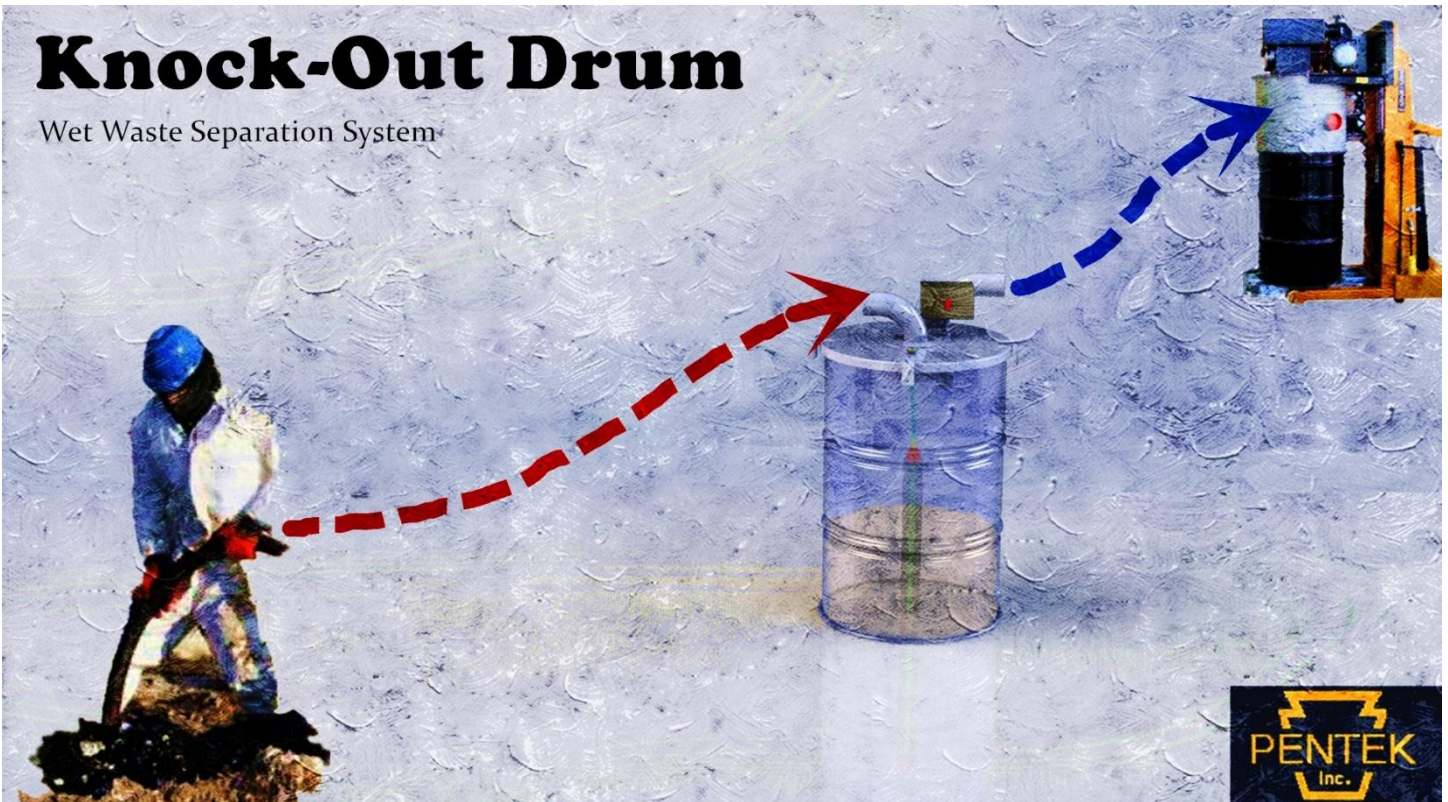


Knock-Out Drum

Wet Waste Separation System



The Pentek Knock-Out Drum is the perfect accessory to your HEPA vacuum waste collection scheme. When inserted between the waste and the VAC-PAC[®], you are assured of trouble-free, automated operation with no downtime and minimum maintenance cost.

The Pentek Knock-Out Drum provides continuous clear liquid extraction from hazardous materials collected during your waste cleanup and removal operations. The Knock-Out Drum is offered with lead paint removal, PCB clean-up, and nuclear decontamination applications in mind, though it can handle most non-combustible wet waste. Whether it's thick sludge, slurry, or particulate-contaminated water, the Knock-Out Drum will extract and discharge clear water from the waste stream, leaving behind only the solid waste to accumulate in a standard, DOT-certified, 55-gallon waste drum.

The Knock-Out Drum is designed to be unobtrusive and maintenance-free. The drum unit has no moving parts. Setup is a simple and quick, 4-step process requiring attachment of:

- the Pentek [Waste Transfer Lid](#) to the Knock-Out Drum,
- a pick-up hose attachment at the inlet,
- a vacuum extraction hose at the outlet to the [VAC-PAC[®]](#), and
- a discharge hose to the clear liquid extraction port.

Once the battery-powered lid-mounted level detector signals that the drum is full, simply detach the hoses, swap the transfer lid for a standard lid (included), and the filled drum is sealed and ready for disposal. And since no one has to handle the waste in the drum, the safety of the workers and the nearby public is never compromised.

All hoses connections are standard sizes, and can be custom-tailored to your specifications. Custom engineered drums and waste containers can also be provided. Please for contact us for further information concerning your particular project requirements.

KNOCK-OUT DRUM

WET WASTE SEPARATION SYSTEM



Specs

- Hose connection options
 - 2-inch (50mm) diameter inlet and outlet tubes
 - 3-inch (75mm) diameter inlet and outlet tubes
 - Connection options are compatible with standard Pentek hose cuffs
- Electrical protection
 - Electronic controls provide positive waste drum level detection
 - IP-54 sealing of electrical components
 - Built-in test of Full Drum indicating lamp
- Battery operation
 - Replaceable, 18-volt Battery Pack utilizes standard, 9 volt DC cells available from suppliers and retail stores anywhere in the world.
 - Expected battery life under continuous use is approximately 4 weeks
 - Built-in test circuit warns operators to replace the Battery Pack
- Physical and environmental
 - Dry weight: 55 lbs (25 kg), including the waste drum
 - Size: 24-inch (600mm) diameter to fit standard dimension 55-gallon (208-litre) waste drums
 - Operating temperature: 35°F to +118°F (2°C to +50°C)
 - Operating vacuum conditions: +0.0 to -5 psig (0 to -0.35 bar) vacuum
 - Maximum free liquid flow rates: up to 5 gpm (22.7 litre/min)
 - Not qualified to handle explosive materials
- Clear water recovery
 - Standard solids separation efficiency: 99% @ 10 μ (custom filtration is available)
 - Maximum clear water/permeate flow rate: 5 gpm (22.7 litre/min)
 - Maximum discharge pressure: 90 psig (7 bar)