

Soft King



Cleans, Degreases, and Strips Using Soda and Other Lightweight Media

Portable, Compact, and Easy to Operate

The go-anywhere Soft King loads quickly into a van or truck. Its built-in ergonomic cart houses plumbing, water pump (when equipped), and pressure controls. Its compact size allows it to pass through standard door openings. A single operator can set up, load with media, and operate the Soft King. Learning basic operation takes just minutes.

Versatile Two-Mode Operation

The Aerolyte Soft King combines Clemco's proven blasting technologies with new ideas into a unique package that offers unsurpassed convenience. The Soft King functions as two machines combined into one. When equipped with optional Wetblast Injector System, the machine can operate in either wet- or dry-mode, whichever the application demands. Blasting contractors, cleaning contractors, industrial facility owners, and rental outlets benefit from the versatility of a single machine to pull double-duty on a moment's notice. The 60-degree conical bottom enhances the flow of lightweight media, but works just as well with conventional abrasives.

The Soft King uses bicarbonate of soda and other lightweight media to quickly and gently clean delicate surfaces in an environmentally-sensitive way. When using bicarbonate of soda, the process will not scratch or etch steel, glass, ceramics, concrete, and most hard plastics. Bicarbonate of soda is non-toxic and water-soluble, making it safe to use for many applications, including food processing plant maintenance. In fact, using baking soda – without additives – does not require kosher supervision. And, the soda residue can be conveniently rinsed into existing drains. The added benefit of wet blasting eliminates the dust normally associated with dry blasting.

Applications

- Clean many types of equipment and parts
- Remove graffiti
- Remove oil and degrease
- Remove dirt and other contaminants
- Strip coatings
- Clean molds
- Remove floor striping
- Strip signs

Industries

- Food processing plants
- General industry
- Automotive
- General and military aviation
- Military ground operations
- Pulp and paper
- Railroad
- Chemical and petrochemical
- Municipalities
- Departments of Transportation
- Contractor's equipment rental

Powerful Cleaning Action

The Soft King operates at pressures from 5 psi to 150 psi to suit the application. Use low pressure to clean oil and grease from in-plant equipment with no splash back. Use medium pressure to peel away heavy build-up of contamination from industrial motors, equipment, and work surfaces. Use high pressure to strip coatings and loosely-adhering surface contamination.

Complete Control and Consistent Results

The Soft King's unique internal agitation system keeps media flowing smoothly at any pressure and any feed rate and completely evacuates the machine, lengthening the cycle between refills. The Soft King's built-in controls ensure optimal results every time. Four independent sets of pressure regulators and gauges control line pressure, vessel pressure, water pressure (when equipped), and media agitation speed. Clearly marked and centrally located controls and gauges are easily accessible for convenient adjustment. Control knobs are easy to operate; they pull to rotate, and push to lock.

Dust-free Wet Blast Machine

When purchased with optional wet blast system, the Soft King eliminates the dust normally generated by dry blasting. The operator easily adjusts the amount of water injected at the nozzle with a simple turn of the knurled knob located on the adaptor at the nozzle.

And everything operates on air pressure – so there's no need for electric power.

ISO 9001-2000 certified

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SPECIFICATIONS

Two Soft King models are available: one that operates in dry-mode only and another that offers the option of operating in wet-mode or dry-mode.

Model 1 (Stock No. 22505) for dry-mode operation only features a cart-mounted pressure vessel with 60-degree conical bottom for enhanced lightweight media flow, 1.5 cubic feet media capacity, 5-psi to 150-psi working pressure, internal media agitator, automatic pop-up valve, 1 1/4-inch ID piping, and manually-adjustable diaphragm-style media metering valve, pneumatic remote controls with RLX control handle and 50 ft remote control hose.

Model 2 (Stock No. 21460) for dry-mode or wet-mode operation is equipped as above, but also includes the following: Integral wetblast injector system with 3/8-inch high-pressure water hose, shut-off valve/nozzle adaptor, 50 ft of 1 1/4-inch ID Supa blast hose coupled, TMP-5 tungsten carbide nozzle with Contractor thread, machine screen and cover.

Features	Specifications	Ordering Information
Soft King Pressure Vessel	<ul style="list-style-type: none"> • 1.5 cubic feet capacity • 5-psi to 150-psi working pressure • 60-degree conical bottom • Internal media agitator • Automatic pop-up valve • 1 1/4-inch ID piping • Manually-adjustable diaphragm media valve • Pneumatic Remote Controls with RLX 'deadman' handle and 50 feet remote hose 	Standard equipment when ordering: Model 1: Stock No. 22505 Model 2: Stock No. 21460
Standard Accessory Air Filter/Moisture Separator*	* Bicarbonate of soda attracts and retains humidity, causing media flow problems. The air filter/moisture separator removes moisture from the air supply.	Standard when ordering Stock No. 22505 or 21460
Wetblast Injector System (built-in)	Self-priming pump 4:1 ratio (max 400 psi water pressure)	Standard only when ordering Stock No. 21460
Supa Blast Hose Stock No. 23481	1 1/4-inch ID x 50 feet, coupled	Standard only when ordering Stock No. 21460
TMP-5 Blast Nozzle Stock No. 23521	5/16" orifice, tungsten carbide lined, rubber jacketed	Standard only when ordering Stock No. 21460
Machine Screen Stock No. 03099	16" diameter	Standard only when ordering Stock No. 21460
Machine Cover Stock No. 02335	16" diameter	Standard only when ordering Stock No. 21460
Optional Accessory In-line Coalescing Filter Stock No. 23748	Flow Rate: 200 cfm Maximum Pressure: 150 psi Size: fits 3/4-inch to 1 1/4-inch piping	<i>Must be ordered separately.</i> Recommended for high humidity areas—not included with either Soft King model.
Operator Safety Respiratory protection is part of an OSHA-required safety program.	For Dry Blasting NIOSH-approved Clemco Apollo supplied-air respirator (must be ordered separately)	For Wet Blasting Face shield and NIOSH-approved half-mask respirator—for non-toxic applications (must be sourced separately)
Utilities		
Air Consumption with 5/16" orifice nozzle	137 cfm @ 100 psi 200 cfm @ 150 psi	165 cfm @ 100 psi 228 cfm @ 150 psi
Water Consumption with 6-orifice injector		2.6 gallons per minute maximum
Electrical Consumption	None	None

Model	Stock No.	Dimensions	Weight
Soft King Model 1	22505	30"L x 27" W x 44"H	296 lb (135 kgs)
Soft King Model 2	21460		427 lb (194 kgs)