

# DC50 Dust Collector

## User Manual



*Revision: April 24<sup>th</sup> 2026*

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**Kresco**

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## TABLE OF CONTENTS

EQUIPMENT OVERVIEW.....	3
CONSTRUCTION.....	3
HOW IT WORKS DIAGRAM.....	3
WORKING DIMENSIONS.....	4
GENERAL SAFETY RULES.....	4
INSPECTION AND ACCEPTANCE.....	5
GENERAL SAFETY RULES.....	5
UNIT USE AND CARE.....	5
ENVIRONMENTAL CONDITIONS FOR WHICH THE EQUIPMENT IS DESIGNED.....	6
INSTALLATION AND STARTING OPERATIONS.....	6
INSTALLATION GUIDELINES.....	6
MAINTENANCE.....	7
SPARE PARTS LIST.....	7
WARRANTY STATEMENT.....	8
LIMITATION OF LIABILITY.....	8
ABOUT KRESCO.....	9

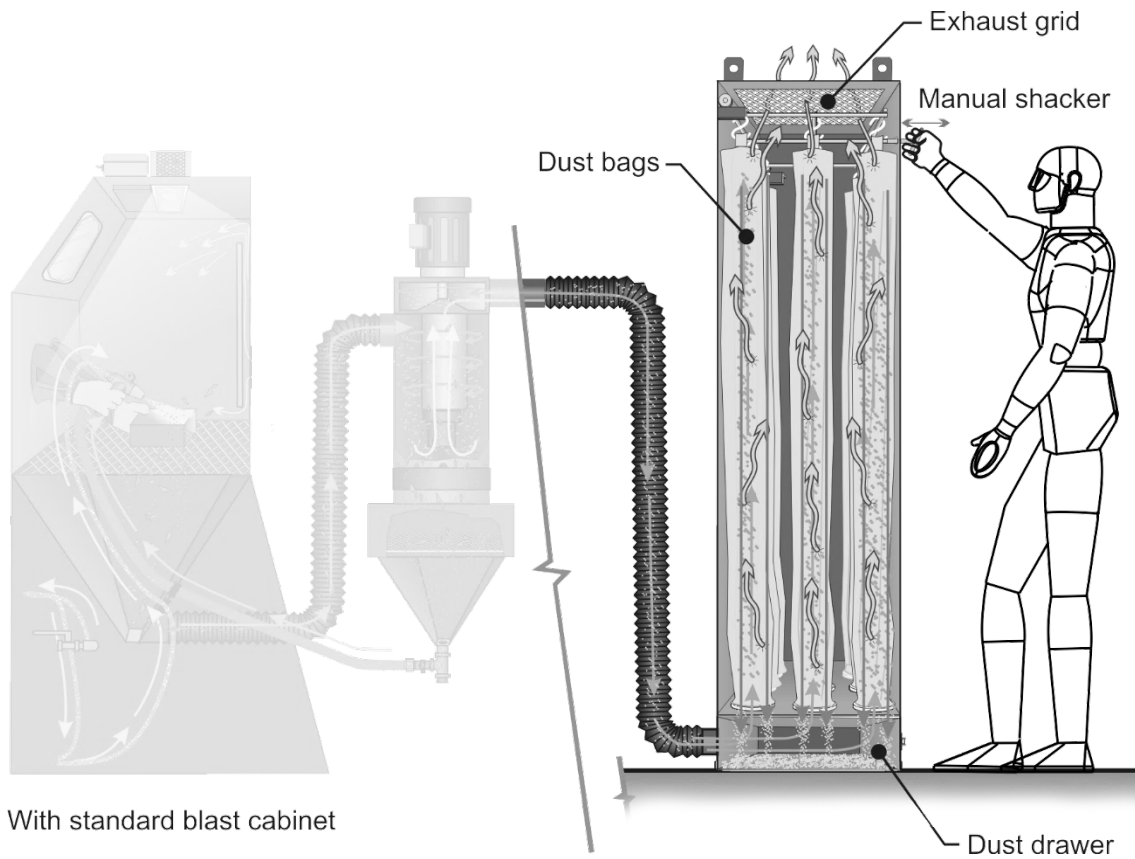
# EQUIPMENT OVERVIEW

## CONSTRUCTION

Specifications	DC50
Filter Surface Area (sq. ft.)	50 sq. ft.
Weight (lb)	250 lb
Door opening (W x H)	20" x 35"
Dimensions (W x D x H)	20" x 21-1/2" x 79"

## HOW IT WORKS DIAGRAM

This dust collector is designed to suck up and capture dust from a sandblasting cabinet equipped with a 400 CFM fan.



## WORKING DIMENSIONS

## GENERAL SAFETY RULES

### DANGER AND WARNING LABELS



1. Wear breathing mask
2. Observe warnings at all times
3. Read the Instruction Manual carefully
4. Wear safety gloves
5. Wear protective eyewear before use
6. Wear hearing protection before use

### WARNINGS

Read and understand operator's manual and all other safety instructions before using this equipment. Failure to follow the SAFETY RULES and other safety precautions described in this document may result in serious injury.

## WARNINGS

Sandblast cabinets may emit potentially hazard dust and airborne contaminants during operation. You must wear appropriate breathing protection at all times while operating or standing around the unit.

## INSPECTION AND ACCEPTANCE

1. Carefully inspect the shipping carton for any signs of transport damage. The damage to the carton often indicates possibility of transport damage to the equipment inside.
2. Carefully remove your Sandblast Cabinet from the shipping carton and skid.
3. Check your equipment immediately to ensure that it is free of transport damage. Report any transport damage without delay for possible claim procedures. **Kresco** is not responsible for damage to equipment after it leaves our warehouse.
4. Check the equipment list and compare it with the parts you have received. If any parts are missing, contact **Kresco** immediately.

## GENERAL SAFETY RULES

1. **KEEP WORKING AREA CLEAN.**
2. **GUARD AGAINST ELECTRIC SHOCK.** Non-skid footwear is recommended where damp or wet ground may be encountered. A ground fault circuit interrupter protected power line must be used for these conditions.
3. **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in the moving parts. Wear protective hair covering to contain long hair.
4. **USE SAFETY EQUIPMENT. WEAR SAFETY GOGGLES** or glasses with side shields.
5. **WEAR A DUST-PROOF MASK.**
6. **STAY ALERT. USE YOUR COMMON SENSE.** Concentrate on what you are doing. Do not operate the unit when you are tired or under the influence of drugs.
7. **DO NOT OVERREACH.** Keep proper footing and balance at all times.
8. **BEFORE STARTING TO WORK** you must wear earing protections, efficient for 80 dB or more.

## UNIT USE AND CARE

1. **DO NOT FORCE THE UNIT.** It will perform better and safer at the rate for which it was designed.
2. **THE USE OF ANY OTHER ACCESSORIES** not specified in this manual may create a hazard.
3. **CLOSE THE MAIN BREAKER SWITCH BEFORE SERVICING** or when not in use.
4. **DO NOT ALTER OR MISUSE THE UNIT.** These units are precision built. Any alteration or modification not specified is misused and may result in a dangerous situation and will void the manufacturer's warranty.
5. **BEFORE CONNECTING THE UNIT,** to an electrical power, be sure the power is the same as that specified on the nameplate of the Sandblasting Cabinet. With power greater than that specified on the nameplate can seriously injure the user - as well as damage the Unit. If you have doubts, do not connect the unit.

Only a trained repairman should attempt ALL REPAIRS, electrical or mechanical. Contact the nearest **Kresco** repair service facility. Use only **Kresco** original replacement parts; any other parts may create a hazard and will void the warranty of the equipment.

## **ENVIRONMENTAL CONDITIONS FOR WHICH THE EQUIPMENT IS DESIGNED**

1. Indoor location
2. Altitude 6,562 ft max
3. Ambient temperature: 104 °F (40 °C) max
4. Relative humidity: 80 %
5. Main supply voltage fluctuation +/- 10 %
6. To use with noncombustible dust only

## **INSTALLATION AND STARTING OPERATIONS**

### **INSTALLATION GUIDELINES**

1. The dust collector should be located on a leveled area near the back of the cabinet, while respecting the laws and regulations in your area. Allow access to components such as the pressure gauge, door and hatch, the barrel, the cartridges and cleaning system
2. For this dust collector DC model, no electrical connection is required.
3. Make sure the equipment is leveled, installed on a solid surface, and well grounded. Do not place on a wooden floor or a rubber mat, unless a ground wire has been installed.
4. Connect one end of the tubular transport of abrasive at the exit of recycling and the other end at the entrance at the bottom of the scrubber. Secure each end of the hose with clamps included with the hose.
5. In case of grounding, the wire is removed on the first 2 or 3 inches. Be careful not to damage the hose. The wire helps dissipate static electricity inside the hose. For the static is dissipated, each segment must be in contact with the metal of which must have a firm grounding installed.
6. For the first two weeks of use, you should not shake the dust collector's bags, it is very important to not shake the bags to let them clog with a layer of dust. This will allow the dust to create a thin layer on the inside of the bag, increasing the filtering efficiency. It also explains why new bags may leak for the first hours of use.
7. Bags cleaning: Shake the bags manually with the handle on the side of the equipment
8. Remove dust from the drawer of the dust collector on a regular basis.
9. Never wash dust bags. If you have to clean them, use compressed air only, blowing from the outside to the inside of the bag (the opposite would clog the bag's pores and make it unusable). Replace torn bags as needed. For replacement parts, see diagrams and parts lists at page 8.

## MAINTENANCE

Follow these recommendations to ensure proper functioning of your system and avoid costly downtimes and emergency repairs.

We recommend including these routines in your PREVENTATIVE MAINTENANCE program and contact one of our Technical Representatives should you have any questions or concerns.



Maintenance Routines	Frequency	Additional Information
Shake the bags	After each use	<ul style="list-style-type: none"> <li>→ Turn off the sandblasting cabinet</li> <li>→ Shake the bags about ten times using the pull tab on the side</li> </ul>
Empty the dust drawer	After each use	<ul style="list-style-type: none"> <li>→ Turn off the sandblasting cabinet</li> <li>→ Empty the dust drawer located at the bottom of the dust collector</li> </ul>
Replace the bags	Every 2,000 hours of use	<ul style="list-style-type: none"> <li>→ Turn off the sandblasting cabinet</li> <li>→ Replace all the dust bags at the same time</li> </ul>

## SPARE PARTS LIST

#	Kresco Code	Description
1	FILT-DB6	DB6 Filtering Bag for Baghouse Dust Collector
2	ROL-D3/8X3/4-EDPM	Foam EDPM Type D, 3/8" X 3/4" auto-adhesive



## WARRANTY STATEMENT

**Kresco** warrants all equipment led in this manual which is manufactured by **Kresco** and bearing its name, to be free from defects in material and workmanship on the date of sale by an authorized **Kresco** distributor to the original purchaser for use. Notwithstanding any special, extended or limited warranty published by **Kresco** will, for a period of TWENTY-FOUR (24) months from the date of sale, repair or replace any part of the equipment determined by **Kresco** to be defective.

This warranty applies only when the equipment is installed, operated and maintained in accordance with **Kresco's** written recommendations. This warranty DOES NOT cover, and **Kresco** shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-**Kresco** component parts. Nor shall **Kresco** be liable for malfunction, damage or wear caused by the incompatibility with **Kresco** equipment with structures, accessories, equipment or materials not supplied by **Kresco**, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by **Kresco**.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized **Kresco** distributor for verification of the claimed defect. If the claimed defect is verified, **Kresco** will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser, transportation prepaid. If the inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

**Kresco's** sole obligation and the buyer's sole remedy for any breach of warranty shall be as set forth above.

The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought forward within two (2) years of the date of sale.

**Kresco** MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY **Kresco**. These items sold, but not manufactured by **Kresco** (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. **Kresco** will provide the purchaser with reasonable assistance in making any claim for breach of these warranties.

## LIMITATION OF LIABILITY

In no event will **Kresco** be liable for indirect, incidental, special or consequential damages resulting from **Kresco** supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of **Kresco**, or otherwise.

Report all accidents or "near misses" which involve **Kresco** products to:

- Kresco Technical Assistance at 1-877-757-3726

The following items are not covered under the **Kresco** warranty policy:

- Parts or chassis replacement due to normal wear
- Consumables and replacement parts (hoses, nozzle, gaskets, etc.)

Defective material or workmanship is not considered normal wear

## ABOUT KRESCO

**Kresco** designs, manufactures, and supports industrial equipment for the surface treatment industries. **Kresco** has standard equipment designed for most applications and can customize equipment to meet or exceed your production expectations.

## SANDBLASTING

- Sandblast Booths
- Sandblast Cabinets
- Automated Sandblasting Systems
- Abrasive Reclaiming Systems
- Pressurized Sandblasters
- Dust Collectors

## SHOT BLASTING

- Roller Conveyor Blaster
- Rotary Table Blaster/Swing Table Blaster
- Spinner Hanger (Batch)
- Continuous Flow with Monorail.
- Rubber and Steel Flight Tumbler Blasters
- Flow Thru Barrel Blasters
- Mesh Belt Continuous Blasters
- Monorail System Blasters
- Rim Blasters
- Preservation Line

## PAINTING & COATING

- Paint Spray Booths
- Powder Coating Booths
- Drying Ovens

## SOLVENT RECOVERY

- Batch Solvent Distillers
- Continuous Flow Solvent Distillers
- Oil Cooling Systems

## PARTS & CONSUMABLES

- Blast Nozzles
- Blast Hoses
- Abrasive Media (Glass Bead, Aluminum Oxide, Steel Shot and Grit)
- Air Valves
- Abrasive Metering Valves
- Cartridge Filters
- Sludge Bags
- Safety Equipment & PPE

## SERVICES

- Turnkey Project Design
- Custom Design
- Full Installation
- Start-up Supervision
- Training
- Maintenance
- Retrofit & Upgrade

All systems are designed to build and they are manufactured with the highest quality standards in our manufacturing shop in Quebec, Canada.