CleanBlast Sandblast Cabinets

Suction Delivery System

User Manual

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EQUIPMENT SPECIFICATIONS

CONSTRUCTION

Specifications	Standard	Optional
Metal Thickness	12 gauge	On Request
Floor capacity	500 lb	1,000 to 5,000 lb
Gloves	Rubber/Vinyl	Leather/Vinyl
Piping Diameter	1/2"	N/A
Nozzle Material	Boron	N/A
Nozzle ID	1/4"	5/16”, 3/8”, 7/16”
Blast Gun	Foot Control	No-Contact Pedal
Window	Lexan	N/A
Lighting	24" LED Fixture	N/A

WORKING DIMENSIONS

SANDBLAST CABINETS

Specifications	CB2836	CB3636	CB3648	CB4848
Interior Dimension (L x W x H)	28" x 36" x 35"	36" x 36" x 35"	36" x 48" x 35"	48" x 48" x 35"
Door Opening (W x H)	16" x 34-5/8”	24" x 34-5/8”	24" x 34-5/8”	36" x 34-5/8”
Overall Dimension (L x W)	28½" x 40¼"	36½" x 40¼"	36½" x 52¼"	48½" x 52¼"
Heigth	75"			

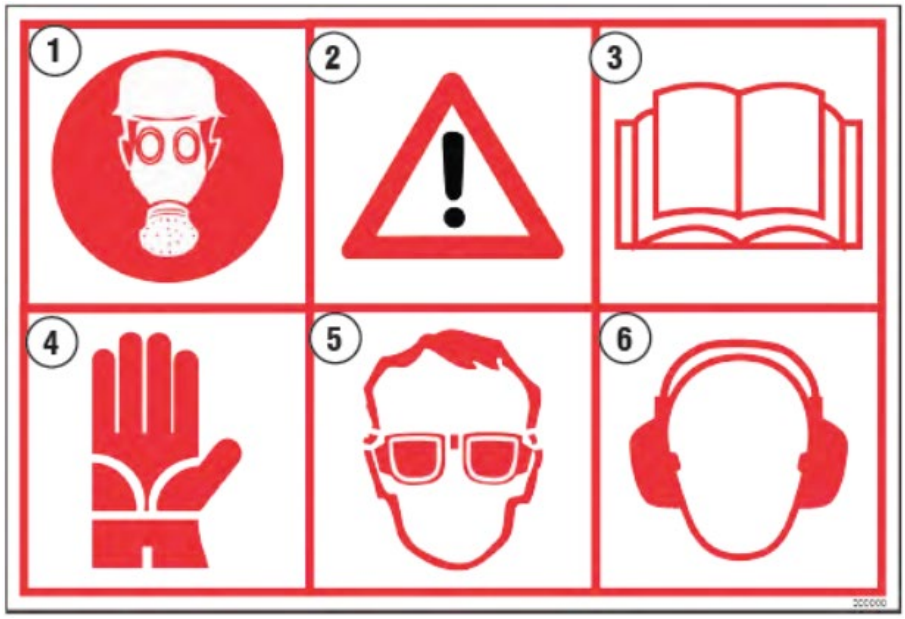
DUST COLLECTORS / CYCLONIC SEPARATOR

Specifications	CDC400-RSB10
Dust Collector	
Motor (HP)	3/4 HP
Fan (CFM)	400 CFM
Number of Cartridge	1
Filter Capacity	318 sq.ft.
Overall Dimension (L x W x H)	48-½" x 27-½" x 80-½"
Cyclonic Separator	
Body Diameter	10"
Inlet ID	4"

Outlet ID	4"

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.

Kresco

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.

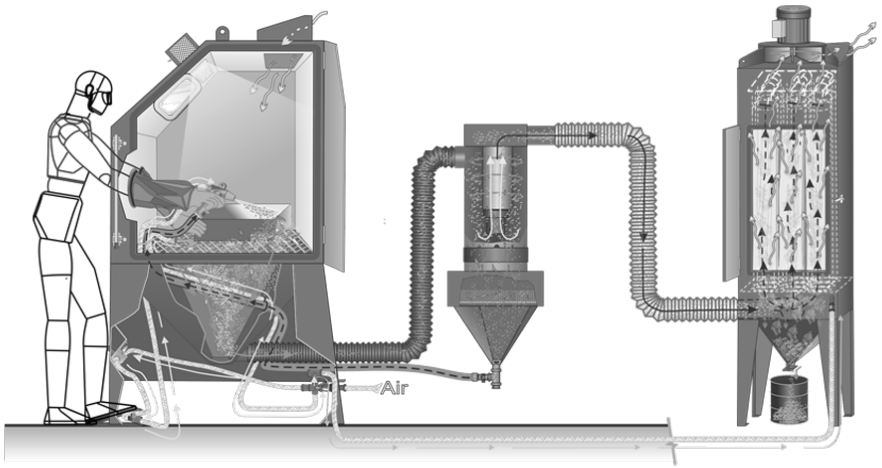
Only a trained repairman should attempt ALL REPAIRS, electrical or mechanical. Contact the nearest **Kresco** repair service facility. Use only **Kresco** original replacement parts; any other parts may create a hazard and will void the warranty of the equipment.

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

OVERVIEW OF THE SANDBLAST CABINET

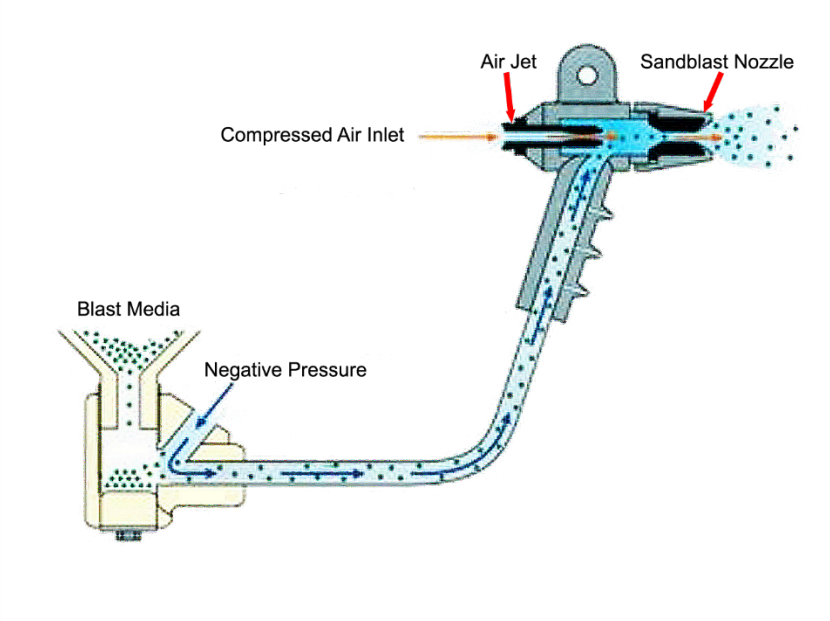
HOW IT WORKS DIAGRAM



SUCTION SYSTEM WORKING PRINCIPLE

This Sandblast Cabinet is designed for suction-type sandblasting operations. The working principle of suction system relies on the Venturi effect to propel a mix of abrasive media and compressed air at high velocity onto a workpiece.

The Venturi phenomenon takes place in the sandblast gun chamber where an air injector (air inlet) force compressed air through a sandblast nozzle (air outlet) that has an interior diameter (ID) twice the size of the air injector ID.



As compressed air passes through a wider opening, its velocity decelerates while its static pressure increases. To stabilize its pressure, the airflow creates a Venturi/suction effect that draws in the media through a hose connected on a storage hopper.

The volume of media that enters the media hose can be controlled from an orifice located on the media regulation valve.

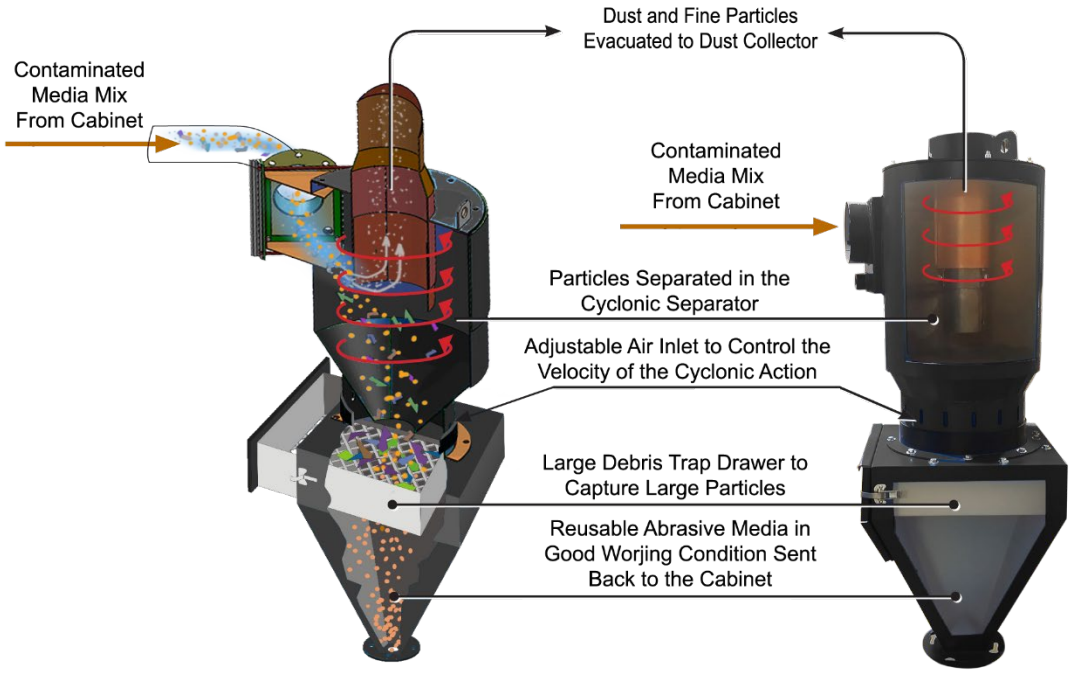
To operate properly, a suction system blast gun must maintain a Blast Nozzle / Air Jet ratio of 2-to-1. For instance, if you operate a Blast Nozzle with an Inside Diameter (ID) of 5/16”, the Air Jet must have a 5/32” ID.

If either the Blast Nozzle or the Air Jet ID has expanded due to frictional wear caused by the passage of abrasive media or if the connection has a leak on one of its hoses or connections, the 2-to-1 ratio will not be maintained and this will negatively affect the performance of the process.

Special care must be given to the air injector and the blast nozzle and all connection must be airtight at all time to provide an optimal process efficiency.

CYCLONIC SEPARATOR BASIC PRINCIPLE

The Cyclonic Separator, also known as the Abrasive Media Reclaimer, cleans the abrasive media circulating through your Sandblast Cabinet by separating improperly sized particulates from the abrasive media mix using a centrifugal motion.



The circulating Abrasive Media mix is typically composed of:

1. Dust and fine particles generated upon the impact of abrasive media onto the part
2. Scattered media of smaller density that are no longer efficient to be used in the sandblasting process
3. Media still in good size and condition - this is the material that we want to send back to the Sandblast Cabinet for further use
4. Large debris, such as paint or rust chips and other debris detaching from the parts during operations

With the correct centrifugal motion speed, unwanted fine particles (1 and 2) are exhausted to the Dust Collector from the top outlet, while media still in good working shape and dimensions (3) and heavier debris (4) continue their way to the bottom of the Cyclonic Separator.

Heavier debris and large particles (4) are trapped in the Large Debris Drawer, leaving only Abrasive Media still in good working conditions reach the Storage Hopper for further use.

CARTRIDGE PULSE CLEANING SYSTEM BASIC PRINCIPLE

The supplied Dust Collector filters dust and fine particles through one or more filter cartridge(s) (depending on the model).

To monitor the state of contamination of the cartridge(s) a differential pressure gauge is linked to a probe installed on the dirty side and another probe on the clean side of the ventilation system. The differential pressure value is indicated on the dial located on the Cartridge Pulse Cleaning System box in inches of water (WC.).

To clean the cartridge(s), the Cartridge Pulse Cleaning System triggers (either manually or automatically) a series pulse inside the cartridge(s) with the use of Goyen valves to release the accumulation of dust within the cartridge(s) pleat (the pulse sound is audible).

WHEN IS IT TIME TO CLEAN THE CARTRIDGE(S)?

Brand new cartridge should indicate a value between 0 and 0.5 WC. As the dust accumulates onto the cartridge(s) pleat, the differential pressure increases.

A cartridge(s) filtration system that is still in good condition should be maintained in an interval of approximately 0 to 2 WC. When the differential pressure value indicates a value of 2 WC or more, cartridge(s) must be cleaned to reset the normal airflow.

WHEN IS IT TIME TO REPLACE THE CARTRIDGE(S)?

When the Cartridge Pulse Cleaning System is unable to lower the differential pressure value below 2 WC and/or when the Automatic Pulse Cleaning System runs continuously, it is time to replace the cartridge(s). It is necessary to replace all cartridges at the same time.

CLEANING CARTRIDGE MANUALLY

To clean the cartridge(s) manually, activate the Dust Collector's fan and repeatedly press the button located on the Cartridge Pulse Cleaning System until the reading stops decreasing (until the original value of 0.5-2.0 WC is obtained) with 10-second intervals between each push. **DO NOT PULSE THE CARTRIDGE(S) if the Dust Collector fan is not running.**

INSTALLATION AND STARTING OPERATIONS

INSTALLATION GUIDELINES

1. **UNBOLT THE BLAST CABINET FROM THE PALLET**. Attach a strap or a hoist to the eyelets located on the top of the machine and move it to its final location using a lift truck or a crane.
2. **ENSURE THERE IS ADEQUATE SPACE ON BOTH SIDES OF THE CABINET** for full opening of part loading/unloading and maintenance access doors.
3. **MAKE SURE THE CABINET IS LEVELED AND WELL GROUNDED**. Do not place on a wooden floor or a rubber mat unless a ground wire has been installed.
4. **PLACE THE DUST COLLECTOR (CDC) AND THE CYCLONIC SEPARATOR (RSB) NEXT TO THE CABINET**. The standard layout suggests to install all auxiliary equipment behind the cabinet without obstructing the product access doors.

5. **CONNECT THE MEDIA CONVEY HOSE** using supplied hose clamps. The hose goes from the media hopper flange located at the bottom of the cabinet to the inlet of the cyclonic separator located on the side of the cyclone.
6. **CONNECT THE DUST CONVEY HOSE** using supplied hose clamps. The hose goes from the outlet of the cyclonic separator located on top of the cyclone to the inlet of the dust collector.
7. **CONNECT THE MEDIA SUCTION HOSE** using supplied hose clamp. The hose goes from the hose barb of the AR 3/4 abrasive regulation valve to the media inlet of the blast gun.
8. **CONNECT THE MALE ELECTRICAL POWER CABLE** from the blast cabinet to a 120 V / 20 amp power source.
9. **CONNECT THE FEMAL ELECTRICAL POWER CABLE** from the blast cabinet to the male electrical power cable of the dust collector.
10. **MAKE A HARDWIRE ELECTRICAL CONNECTION ON THE DUST COLLECTOR.** Perform this step only if your dust collector operates on 208-230 V, 240 V, 460 V or 575 V.

WARNINGS

Hardwire connections to the sandblast cabinet and/or the dust collector should be made by a qualified electrician and must comply to the codes, standards, and procedures specified by the local authority having jurisdiction.

For detailed electrical connections wiring requirements, overload and starter, refer to electrical drawings in Appendix of this user manual.

11. **CONNECT THE GROUND CABLE** located at the back of the sandblast cabinet to a properly grounded component using the supplied crocodile clamp.
12. **CONNECT THE COMPRESSED AIR** to the sandblast cabinet air inlet manifold located at the back of the sandblast cabinet USING STRAIGHT AND AIRTIGHT CONNECTION ONLY. Never use male-female quick couplings and other sources of connection that may cause air leak and negatively affect the performance of the sandblasting operations.

WARNINGS

SUPPLY ONLY CLEAN AND DRY AIR to the sandblast cabinet.

Moisture, oil and other airborne impurities present in the compressed air supply can contaminate the abrasive, prevent it from flowing freely, cause inefficient sandblasting and cause premature wear on plumbing and critical components.

If necessary, install an air dryer and/or inline air filtration system to remove any moisture or contaminants present in the supplied compressed air.

13. **OPEN THE BALL VALVE** located on the air inlet manifold to enable the air supply to the sandblast cabinet.

VERIFY INSTALLATION

1. Check that all pipes and hose connections are tightly fastened and airtight.
2. Check that all electrical box covers are securely installed.
3. Check that the dust drum under the dust collector is sitting firmly and is centered (if equipped).
4. Turn the cabinet power switch to the “ON” position. The cabinet lights will power on and the dust collector fan and the reclaimer will start.
5. Set the blast air pressure regulator to the desired pressure.
6. Insert both hands into the cabinet gloves, take the gun and press the foot pedal. Blasting will start, wait a few second and the blast flow will stabilize.
7. Turn the cabinet power switch to the “OFF” position. Light will turn off and the dust collector fan and reclaimer will stop.

WARNINGS

Disable and lock out power sources before performing service or maintenance work. Do not look into the fan outlet to determine the correct motor rotation.

Check that the fan exhaust is clear of tools and free of debris before checking fan rotation. To avoid personal injury, stay clear of the fan exhaust.

BEFORE YOU START

1. **MAKE SURE TO WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE) AND SAFETY EQUIPMENT**.
2. **MAKE SURE PEOPLE AROUND YOU ARE AWARE AND ALERT**.
3. **MAKE SURE THE BLAST NOZZLE IS CORRECTLY SCREWED IN PLACE**. Unstable or improperly installed blast nozzle may result in premature wear and tear on the blast gun and its components.
4. **MAKE SURE YOUR SIGHT VIEW GLASS HAS A PROTECTIVE FILM**.
5. **FOLLOW THE ABRASIVE MEDIA FILLING PROCEDURE** to fill your sandblast cabinet with media for the first time.
6. **LOAD A PART INSIDE THE SANDBLAST CABINET.**
7. **SWITCH ON YOUR SANDBLAST CABINET AND YOUR DUST COLLECTOR** using the ON/OFF switch located on the front of the cabinet.
8. **FOLLOW THE ADJUSTING THE AR ¾ MEDIA REGULATION VALVE PROCEDURE** to correctly set the flow of abrasive through the blast gun.
9. **FOLLOW THE SETTING WORKING AIR PRESSURE PROCEDURE** to correctly set the air pressure at the nozzle.
10. **FOLLOW THE ADJUSTING THE CYCLONIC SEPARATOR PROCEDURE** to correctly calibrate the abrasive media reclaiming system functioning.

Congratulations! You are now ready to start sandblasting.

ABRASIVE MEDIA FILLING PROCEDURE

WARNINGS

Your suction cabinet is designed to operate efficiently with most recyclable, low density abrasive media on the market, such as glass beads, aluminum oxide, steel grit, or plastic media.

Certain types of material, such as recycled glass or silica sand are not recommended and should not be used in our sandblast cabinet. The use of these materials may cause premature wear and tear on critical components, and they may obstruct the ventilation system.

This suction cabinet **IS NOT designed to be used with high-density materials** such as steel grit or steel shot.

Always use an abrasive material that has been approved by writing by a Kresco Technical Representative.

Follow these steps to avoid blocking the media convey hose connection located at the bottom of the cabinet when adding abrasive media.

1. Turn ON the cabinet to activate the ventilation system.
2. SLOWLY add abrasive media through the floor grating inside the sandblast cabinet. Make sure that the media reclaiming hose located at the bottom of the cabinet is not obstructed and that the abrasive material is being vacuumed to the Cyclonic Separator. Keep pouring at a slow pace to avoid trouble.
3. The capacity of the storage hopper of this cabinet is 1.0 cubic feet – which is equivalent to approximately one (1) bag of low-density materials (such as glass beads, aluminum oxide, or walnut shells). Do not exceed this limit.

NOTE: Dumping abrasive media at the bottom of the cabinet at a faster pace than what the Dust Collector fan is able to suck through the Cyclonic Separator will result in blocking the media reclaiming hose. If this is the case, follow the UNBLOCKING THE MEDIA RECLAIMING HOSE procedure to unclog the media convey hose and fix the issue.

UNBLOCKING THE MEDIA RECLAIMING HOSE

Follow this procedure if your media reclaiming hose is completely obstructed by abrasive material accumulated at the bottom of the cabinet.

1. Turn OFF the Sandblast Cabinet
2. Put a low-height container or a sheet of any material underneath the media reclaiming hose connection to the cabinet
3. Loosen the hose clamp of the media reclaiming hose
4. Slowly pull out the media reclaiming hose from the cabinet bottom flange
5. With a hand or any small tool, remove excessive amount of abrasive material until at least half of the flange diameter is clear
6. Put back the media reclaiming hose in place and tighten the hose clamp
7. Turn ON the Sandblast Cabinet and observe the bottom of the cabinet to make sure the abrasive material is being vacuumed
8. Return to the Step 2 of the ABRASIVE MEDIA FILLING PROCEDURE

NOTE: Removed abrasive material can be reused.

ADJUSTING THE AR ¾ MEDIA REGULATION VALVE

The AR ¾ Media Regulation Valve is located at the bottom of the cyclonic separator. This valve controls the volume of abrasive media entering the Media Sucking Hose flowing through the blast gun.

To adjust the quantity of media propelled through the system, move the clip covering the hole located on top of the valve.

→ A smaller opening will bring fewer abrasive media into the mix.
→ A bigger opening will bring more media into the mix.

The correct opening depends on the media type and size (mesh). For this reason, it is necessary to adjust the AR ¾ Media Regulation Valve each time changing the abrasive media. Completely opening or closing the hole is not recommended.

As a general rule of thumbs, we recommend covering approximately 2/3 of the hole opening and proceeding with micro adjustments if necessary.

ALLOW APPROXIMATELY 15 SECONDS OF SANDBLASTING OPERATIONS BETWEEN EACH ADJUSTMENT to notice the difference as the media sucking hose contains media from the previous adjustment.

SETTING WORKING AIR PRESSURE

SUCTION SYSTEM AIR CONSUMPTION TABLE

The table below provides the air consumption (in cfm) of different combinations of Blast Nozzle / Air Jet given at different working air pressures.

		Working Pressure (PSI)					
Air Jet ID[1]	Nozzle ID[2]	40	50	60	70	80[5]	← PSI[3]
1/8"	1/4"	12	15	17	19	21	
5/32"	5/16"	19	23	27	30	34	
3/16"	3/8"	27	33	38	43	48	← CFM[4]
7/32"	7/16"	38	46	52	60	65	
1/4"	1/2"	49	58	67	76	85	

Legend

1. Air Jet ID: Inside diameter of the Air Jet.
2. Nozzle ID: Inside diameter of the Blast Nozzle.
3. PSI: Pressure at the Blast Nozzle given in lb/sq. in.
4. CFM: Air Consumption at the Blast Nozzle given in Cubic Feet per Minute
5. Optimal working pressure for high-volume, fast cleaning application is 80 PSI

NOTE: Before selecting the Blast Nozzle / Air Jet combination and the working pressure of your application, make sure that your air compressor is able to supply the minimum air requirement for your desired application.

AIR PRESSURE ADJUSTMENT

To set the working pressure at the nozzle, follow these steps:

1. Press on the pedal to activate sandblasting operations
2. Pull the knob of the Pressure Regulator located on the front of the sandblast cabinet and slowly turn it until the desired pressure is obtained and observed on the manometer
3. Push the know to secure the pressure
4. Regularly inspect and maintain your Blast Nozzle and Air Jet to maintain the desired pressure

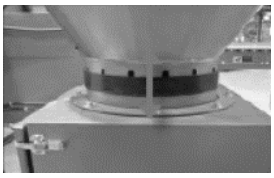
ADJUSTING THE CYCLONIC SEPARATOR

Although the Cyclonic Separator arrives factory set based on the Abrasive Media declared when purchasing your Sandblast Cabinet, it is possible and recommended to perform some minor adjustments on site to optimize the cleaning efficiency of your Abrasive Media, thus the overall performance of your process.

Furthermore, it is necessary to adjust the Cyclonic Separator each time you change Abrasive Media type or mesh size.

ADJUSTING THE 2" SBR 1/8" RUBBER BAND

The 2" SBR 1/8" Rubber Band is used to partially cover the holes located around the Separator body to control the airflow speed inside the Cyclonic Separator.



→ Covering the holes slows down the motion speed, letting particles of smaller density fall down the Cyclonic Separator back to the Sandblast Cabinet Storage Hopper

→ Uncovering the holes increases the motion speed, exhausting particles of bigger density to the Dust Collector

A velocity that is too slow for the Abrasive Media will result in a dusty media mix (incapacity of efficiently exhausting dust and fine particles to the Dust Collector; while a velocity that is too fast will draw Abrasive Media in good condition to the Dust Collector).

A properly adjusted motion speed will draw only dust and fine particles away, returning only good media back to the Storage Hopper for further use.

Follow these steps to adjust the 2" SBR 1/8" Rubber Band to the correct location:

1. WHEN YOU START YOUR EQUIPMENT FOR THE FIRST TIME, we recommend leaving all orifices covered to try recycling without interfering with the basic setup of the ventilation system
2. Sandblast for at least 4-8 hours in normal process conditions to allow the system to start sorting out particles with the new adjustment
3. Observe both the material being collected in the Dust Collector waste drum and the quality of Abrasive Media circulating through the cabinet
4. If the Abrasive Media seems dusty of inefficient, lower the 2" SBR 1/8" Rubber Band approximately ¼" to let a small quantity of air entering the Cyclonic Separator which will accelerate the velocity of the vortex
5. If the Dust Collector waste drum collects Abrasive Media that looks in good condition and/or if you notice that the level of Abrasive Media circulating in the cabinet has lowered significantly, move up the 2" SBR 1/8" Rubber Band approximately ¼" to slightly cover the orifices which will decelerate the velocity of the vortex
6. Empty the Dust Collector dust drum
7. Sandblast for at least 4-8 hours in normal process conditions to allow the system to start sorting out particles with the new adjustment and then repeat Steps 3 to 8 until the correct adjustment has been obtained

ALLOW APPROXIMATELY FOUR (4) HOURS OF SANDBLASTING OPERATIONS BETWEEN EACH ADJUSTMENT to notice the difference as the Abrasive Media mix must circulate a few times through the Cyclonic Separator so the new adjustment takes effect. Do minor adjustments each time. It can take a few routines before the correct vortex motion speed is obtained.

ADJUSTING THE TELESCOPIC TUBE INSIDE THE RECLAIMER

If the adjustment of the 2" SBR 1/8" Rubber Band has been proven inefficient to obtain a proper particle separation or in the event that the Abrasive Media type or mesh size is changed from the initial process, the adjustment of the Telescopic Tube is necessary.

The Telescopic Tube is positioned in such a way to capture the Abrasive Media mix circulating in the centrifugal motion at the right location near the Storage Hopper.

The bottom of the Telescopic Tube sucks in particles and forces them out through the outlet located on the top of the Cyclonic Separator.

→ The lower the Telescopic Tube, the higher volume of Abrasive Media mix is sucked and exhausted to the Dust Collector
→ The higher the Telescopic Tube, the less volume of Abrasive Media mix is sucked and exhausted to the Dust Collector

NOTE: The adjustment of the Telescopic Tube inside the reclaimer must be performed by or under the supervision of an experienced **Kresco** Technical Representative.

Follow these steps to adjust the Telescopic Tube to the correct location:

1. Move the Telescopic Tube up or down (depending on the desired output) 1" at the time.
2. Sandblast for approximately four (4) hours, and observe both the quality of the Abrasive Media inside the Storage Hopper and the dust collected inside the Dust Collector drum.
3. If necessary, empty the dust collection drum and repeat Steps 1 and 2 above until the correct position is obtained.

ALLOW APPROXIMATELY FOUR (4) HOURS OF SANDBLASTING OPERATIONS BETWEEN EACH ADJUSTMENT to notice the difference as the Abrasive Media mix must circulate a few times through the Cyclonic Separator so the new adjustment takes effect.

SHUTTING DOWN THE UNIT

1. Release the pedal to interrupt sandblasting operations.
2. Press on the Cartridge Pulse Cleaning button located on the side of the Dust Collector 4-6 times while the Sandblast Cabinet is still running (disregard if your system is equipped with optional automatic pulse cleaning system).
3. Wait for approximately 10 to 15 seconds before turning off the power switch and opening the door of the cabinet to allow the evacuation of dust in suspension.
4. Open the door and remove the treated parts from the sandblast cabinet.
5. Close air supply behind the Sandblast Cabinet.
6. Turn power switch to the “OFF” position.
7. Empty the dust collector waste drum. Replace the drum squarely on the dust drum platform and centered under the cover. The dust drum and cover must create an airtight seal.

FLUSHING OUT ABRASIVE MEDIA

It is recommended to clean out the Sandblast Cabinet from circulating Abrasive Media mix regularly to maintain an optimal performance during sandblasting operations.

The frequency rate at which it is recommended to replace the Abrasive Media depends on several factors, including the type and the mesh size of the media being used, the importance of maintaining a steady surface preparation quality, the level of contamination and the composition of the workpieces being treated inside the cabinet, the working pressure of the process, and the level of dust generated during operations.

Softer media, such as Glass Beads, must be replaced more frequently (after each 40 hours of use) whereas harder media, such as Aluminum Oxide and Steel Grit, may be replaced less frequently (after each 100-120 hours of use). These are only general guidance; every process is different and has its own particularity.

As a general rule, it is time to flush out and replace the Abrasive Media when it is found no longer efficient at being used in the process (cleaning rate is slower than usual, unable to meet the surface preparation standard, etc.) and the grain size is significantly smaller than its original size.

Follow these steps to clean out your system from circulating Abrasive Media mix:

1. Turn OFF the Sandblast Cabinet.
2. Place a large container (at least 5 gallons) with, ideally, a large opening under the AR ¾ Media Regulation Valve.
3. Remove the AR ¾ Media Regulation Valve plug. Abrasive Media contained in the Storage Hopper will fall by gravity into the container. Gently knock on the Storage Hopper to help Abrasive Media release from the walls.
4. Turn ON the Sandblast Cabinet and press on the pedal to activate sandblasting operations until Abrasive Media is no longer detected in the blast stream exiting the Blast Nozzle. This operation will empty all remaining Abrasive Media contained in the Media Suction Hose and the Blast Gun.
5. Using the Air Blow Gun or the Blast Gun once it is empty of Abrasive Media, aim for the bottom of the cabinet to help remaining Abrasive Media being evacuated. Gently knock on the Sandblast Cabinet lower section to help release the media from the walls.

NOTE: Removing the AR ¾ Media Regulation Valve plug will create an updraft motion that will exhaust particles of bigger density (including Abrasive Media still in good shape and dimension) to the Dust Collector. This is acceptable during the cleaning operation.

6. Release the pedal and turn OFF the Sandblast Cabinet.
7. Remove the Media Convey Hose connecting the bottom of the Sandblast Cabinet to the Cyclonic Separator, and shake it above the container to collect Abrasive Media out of it.
8. Using a Shopvac or another industrial vacuum, thoroughly clean the bottom of the Sandblast Cabinet and the Storage Hopper through the Large Debris Drawer.
9. Remove the container from under the AR ¾ Media Regulation Valve and empty the Dust Collector collection drum in it. Dispose of the waste media mix in accordance with local jurisdictions and regulations.

10. Put the AR ¾ Media Regulation Valve plug back on the valve, and reinstall the Media Convey Hose and the Dust Collector Drum.
11. Follow the **ABRASIVE MEDIA FILLING PROCEDURE** to reload with brand new Abrasive Media.

ADDITIONAL STEPS WHEN CHANGING ABRASIVE MEDIA TYPE

WARNINGS

BEFORE ADDING ANY NEW ABRASIVE MATERIAL IN YOUR CABINET, contact a Kresco Technical Representative to validate the compatibility of the new product with your system and to receive guidance in setting up your cabinet with for new product.

Using an abrasive material that has not been authorized by writing by Kresco immediately voids the warranty of your system.

When changing the vocation of the Sandblast Cabinet and/or the type of Abrasive Media being used (not just the mesh size), it is important to readjust the Cyclonic Separator by following the **ADJUSTING THE CYCLONIC SEPARATOR** procedure previously described.

Also, to avoid contaminating the new Abrasive Media with the previous one, it might be necessary to repeat the **FLUSHING OUT ABRASIVE MEDIA** procedure one more time, depending on the potential impact of contaminated media with the new application.

OPERATING YOUR SANDBLAST CABINET

WARNINGS

Parts loaded inside the Sandblast Cabinet must be free of oil, grease and moisture. Remove all small parts that could detach from the treated part and cause blockage or damage in the ventilation system.

1. Open the air inlet ball valve located on the back of the Sandblast Cabinet
2. Turn the power ON using the switch located on the right-hand side of the Cabinet front
3. Open the loading door and load a part on the table grating or optional turntable
4. Close and seal the door properly with the door latch completely close
5. Insert both hands in the glove opening and approach the window
6. Grasp the sandblast gun and hold it firmly approximately one (1) foot from the part at a 90° angle (optimal process parameters may vary from an application to another)
7. Press on the pedal to activate sandblasting operation

WARNINGS

Avoid sandblasting the Sandblast Cabinet walls, window, lighting glass, media convey and/or air hoses, and towards the air intake trap located on the back of the cabinet.

8. Use the air blow gun to remove dust deposit on and inside the part
9. Allow 15-30 seconds before opening the loading door to evacuate dust and potentially hazardous airborne contaminants

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.

DAILY CARE AND MAINTENANCE ROUTINES

General Visual and Audible Inspection

Inspect all components in direct contact with the abrasive media for signs of wear and/or air leaks, and replace or service if necessary.

- → Nozzle
- → Air injector
- → Gloves
- → Window
- → Lighting
- → Sandblast gun media hose and couplings
- → Sandblast gun air hose and couplings
- → Sealing gasket on the product loading door seal, trap debris drawer located underneath the cyclonic separator and the dust collector door
- → Media convey hose (between the Sandblast Cabinet and the Cyclonic Separator)
- → Dust evacuation hose (between the Cyclonic Separator and the Dust Collector)
- → Sandblast cabinet walls, table grating, turntable, etc.

Working Air Pressure

- Verify regularly the air pressure indicated on the manometer located on the left-hand side of the window while sandblasting
- Adjust the pressure if necessary (follow SETTING WORKING AIR PRESSURE procedure)

Abrasive Media

- Verify the quantity and the quality regularly at the bottom of the Sandblast Cabinet and in the Storage Hopper of the Cyclonic Separator
- If necessary clean out the system from its abrasive media and reload with new one (refer to FLUSHING OUT ABRASIVE MEDIA and ABRASIVE MEDIA FILLING PROCEDURE procedures)
- The capacity of the storage hopper of this cabinet is 1.0 cubic feet – which is equivalent to approximately one (1) bag of low-density materials (such as glass beads, aluminum oxide, or walnut shells). Do not exceed this limit.
- This equipment is designed to be used with low-density materials ONLY. Do not use high density materials such as steel grit or steel shot.
- It is recommended to replace the softer Abrasive Media every 40 hours of operation and harder Abrasive Media every 100-120 hours of operation.

After the Sandblasting Operation

- Using the optional air blow gun, clean the freshly treated part and work area inside the cabinet (walls, window, hopper, work table, turntable, etc.)
- Wait approximately 30-60 seconds before opening the door and turning OFF the equipment to allow the evacuation of dust inside the working area (breathing dust and hazardous airborne contaminant can be harmful for you and workers in surrounding areas)
- Turn OFF electrical power
- Close the air inlet ball valve
- Clean or vacuum the floor surrounding the Sandblast Cabinet

PREVENTATIVE MAINTENANCE

Maintenance Routines	Frequency	Additional Information
Verify the Sandblast Nozzle ID	Daily to Weekly	→ Remove the Sandblast Nozzle conical support and remove the nozzle. → Using a gauge or a drill bit that is 1/8" bigger than the size of your Sandblast Nozzle ID, try to insert it inside the orifice of the Sandblast Nozzle. → If it fits, replace the Sandblast Nozzle immediately to avoid affecting negatively the performance of your sandblasting process.
Service the Sandblast Gun	Weekly to Monthly	→ Completely disassemble the Sandblast Gun and check for signs of wear on critical parts (gaskets, air injector, nozzle, hoses, etc.). → Replace worn parts immediately as it could damage other components on your Sandblast Gun.
Check hoses and connections	Monthly	→ Inspect all corrugated and rubber hoses for any signs of wear and/or audible air leak sound (rubber media and air hose, corrugated media mix and dust evacuation hose, gaskets, etc.). → Pay special attention to curves as they usually wear out faster. Replace worn or pierced hoses immediately to avoid affecting negatively the ventilation of your system.
Check door seals	Monthly	→ Inspect all door seals for any signs of wear and/or audible air leak sound (Sandblast Cabinet product loading door and window, Cyclonic Separator Large Debris Drawer, Dust Collector cartridge filter access door, etc.). → Replace worn or pierced seals immediately to avoid affecting negatively the ventilation of your system and contaminating surrounding work areas.
Cyclonic Separator	Daily to Weekly	→ Empty the Large Debris Drawer regularly and put it back in place. → Verify the seal of the Large Debris Drawer and replace if an air leak sound is audible. → Verify the 2" SBR 1/8" Rubber Band position and adjust if necessary (follow the **ADJUSTING THE 2" SBR 1/8" RUBBER BAND** procedure).
Media Regulation Valve	Daily to Weekly	→ Verify the AR ¾ Media Regulation Valve clip position and adjust if necessary (follow the **AR ¾ MEDIA REGULATION VALVE** procedure).
Dust collector	Daily to Weekly	→ Empty the dust collection drum located under the Dust Collector. → Make sure the connection of the dust collection drum is airtight at all time. → Verify the inline filter located at the air inlet of the collector and replace when needed.
	Every 2 years / 2,000 hours	→ Verify the motor rotation of usage and replace when misaligned or noisy.
Replace cartridge filter(s)	When indicated on the differential pressure gauge	→ Refer to the **CARTRIDGE PULSE CLEANING SYSTEM BASIC PRINCIPLE** section for more information.

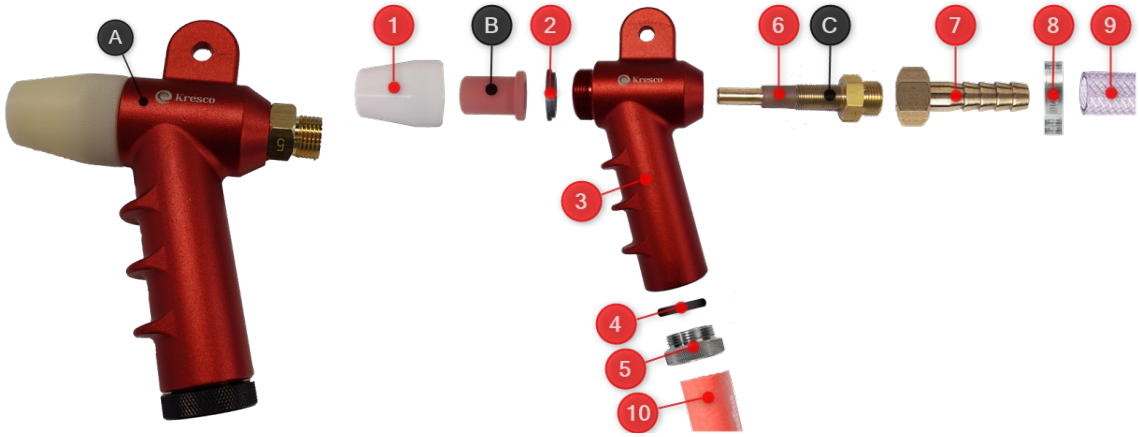
SPARE PARTS LIST

#	Kresco Code	Description
Window		
1	LEX-LC16X24X1/4	Lexan Clear 16" Width X 24" Long X 1/4" Thick
2	LEX-PL16X24X20MIL	Protector For Lexan 16" Width X 24" Long X 20MIL" Thick
Gloves		
3	GLO-VIN-8	8" Glove with Vinyl Sleeve (Pair)
	GLO-LEA-8	8" Glove with Leather Sleeve (Pair)
4	FIX-T8-1/2X6-1/2SS304	T-Clamp SS304 8-1/2" X 6-1/2"
Abrasive Regulation Valve		
5	KAR-2000-S	Abrasive Regulation Valve for Suction Sandblast Cabinet AR3/4
Door Seal (Cabinet, Dust Collector, and Trap Debris Drawer)		
6	ROL-D15/32X5/16-ME	Foam Neoprene Type D 15/32" X 5/16" Adhesive for Cabinet Window and Debris Drawer (Sold by Foot)
7	ROL-D3/4X17/32-S	Foam Neoprene Type D 3/4" X 17/32" Adhesive for Cabinet and Dust Collector Doors (Sold by Foot)
Poly Media Hose		
8	FLX-POL4-GRN	Polyurethane Hose 4" Green
PVC Dust Hose		
9	FLX- PVC4-GRY	PVC Hose 4" Gray
Hose Clamp		
10	FIX-T4-1/2X2-17/64SS304	T-Clamp SS304 4-1/2" to 2-17/64"
Cartridge Media		
11	FILT-CM318-85/15-MERV11	Filtering Cartridge 12-3/4” Dia. X 36” Long MERV 11

*The Sandblast Nozzle (12) and the Sandblast Gun (13) combination must match the same letter.

G5 SANDBLAST GUN

EXPLODED PARTS VIEW



#	Kresco Code	Description
A*	See available combinations on next page	
B*	See available combinations on next page	
C*	See available combinations on next page	
1*	COU-NA-G5/SH5	G5/SH5 Nozzle Adaptor
2*	GAK-G5/SH5-NOZ	G5/SH5 Nozzle O-Ring
3*	GUN-G5-BODY	G5 Gun Body
4*	GAK-G5-HOS	G5 Hose O-Ring
5*	COU-BH-G5	G5 Suction Hose Coupling
6*	TUB-RUB-G5/SH5	G5/SH5 Injector Protective Sleeve
7	FIT-A1/2X1/2BF-SW-BR	Adaptor Brass 1/2" Barb X 1/2" NPTF Swivel
8	FIX-O3/4-17/20-PA	O-Clamp Steel 3/4" 17/20 OET
9	FLX-PVC1/2-CLR	PVC Hose 1/2" Clear Bulk (Sold By Foot)
10	FLX-MPU-1/2	Multi-Purpose Hose 1/2" 300 psi (Sold By Foot)

* Preassembled sandblast gun includes all parts marked with a '*'

SANDBLAST NOZZLES AND AIR JETS COMBINATIONS

(A) Complet Sandblast Guns*		(B) Sandblast Nozzles			(C) Air jets	
Buse	Code	Type	Orifice	Code	Orifice	Code
Ceramic	GUN-G5-CN2-4	CN2-4	1/4"	NOZ-SHO1/4CER	1/8"	INJ-1/8-G5/SH5
	GUN-G5-CN2-5	CN2-5	5/16"	NOZ-SHO5/16CER	5/32"	INJ-5/32-G5/SH5
	GUN-G5-CN2-6	CN2-6	3/8"	NOZ-SHO3/8CER	3/16"	INJ-3/16-G5/SH5
	GUN-G5-CN2-7	CN2-7	7/16"	NOZ-SHO7/16CER	7/32"	INJ-7/32-G5/SH5
Tungsten Carbide	GUN-G5-TN2-4	TN2-4	1/4"	NOZ-SHO1/4TUN	1/8"	INJ-1/8-G5/SH5
	GUN-G5-TN2-5	TN2-5	5/16"	NOZ-SHO5/16TUN	5/32"	INJ-5/32-G5/SH5
	GUN-G5-TN2-6	TN2-6	3/8"	NOZ-SHO3/8TUN	3/16"	INJ-3/16-G5/SH5
	GUN-G5-TN2-7	TN2-7	7/16"	NOZ-SHO7/16TUN	7/32"	INJ-7/32-G5/SH5
Boron Carbide	GUN-G5-BN2-4	BN2-4	1/4"	NOZ-SHO1/4BOR	1/8"	INJ-1/8-G5/SH5
	GUN-G5-BN2-5	BN2-5	5/16"	NOZ-SHO5/16BOR	5/32"	INJ-5/32-G5/SH5
	GUN-G5-BN2-6	BN2-6	3/8"	NOZ-SHO3/8BOR	3/16"	INJ-3/16-G5/SH5
	GUN-G5-BN2-7	BN2-7	7/16"	NOZ-SHO7/16BOR	7/32"	INJ-7/32-G5/SH5

TROUBLESHOOTING

Type of Failure	Possible Cause	Resolution
Excessive dust in the cabinet (poor visibility) and / or very dusty abrasive (inefficient)	Non-recyclable abrasive[1]	Follow **FLUSHING OUT ABRASIVE MEDIA** procedures and replace with recyclable abrasive
	Media Reclaiming Hose (at the bottom of the cabinet) is partially or completely blocked	Follow the **UNBLOCKING THE MEDIA RECLAIMING HOSE** procedure for resolving a clogged suction hose
	Sandblast Cabinet air inlet trap is blocked	Verify the air inlet trap behind the Sandblast Cabinet and make sure it is open and clear
	Cartridge Media partially or completely clogged	Empty the dust drum located underneath the Dust Collector Verify and replace cartridge media if needed (Note: Cartridges should never be cleaned using water)
	Dust Collector motor reversely connected (the impeller rotates in the wrong direction, blowing air inside the Sandblast Cabinet rather than the opposite)	Contact an Electrician and verify the electrical connection of the motor
	Incorrect adjustment of the 2" SBR 1/8" Rubber Band of the cyclonic separator. The orifices are partially or completely close, which decreases the velocity inside the Cyclonic Separator and the dust is not efficiently evacuated.	Follow the **ADJUSTING THE 2" SBR 1/8" RUBBER BAND** procedures and open gradually the holes to increase velocity **NOTE**: If abrasive media has changed since the initial usage of the Sandblast Cabinet, contact a Kresco Technician for the proper adjustments
Media Reclaiming Hose Outlet (behind the cabinet) partially or completely blocked	Incorrect filling procedure: too much abrasive or poured too quickly	Follow the **UNBLOCKING THE MEDIA RECLAIMING HOSE** procedure for resolving a clogged suction hose and follow the **ABRASIVE MEDIA FILLING PROCEDURE** to correct the issue
	Lack of CFM (problem with the Dust Collector) which causes the outlet to become progressively blocked.	Follow the procedures for resolving a dusty cabinet as described above.

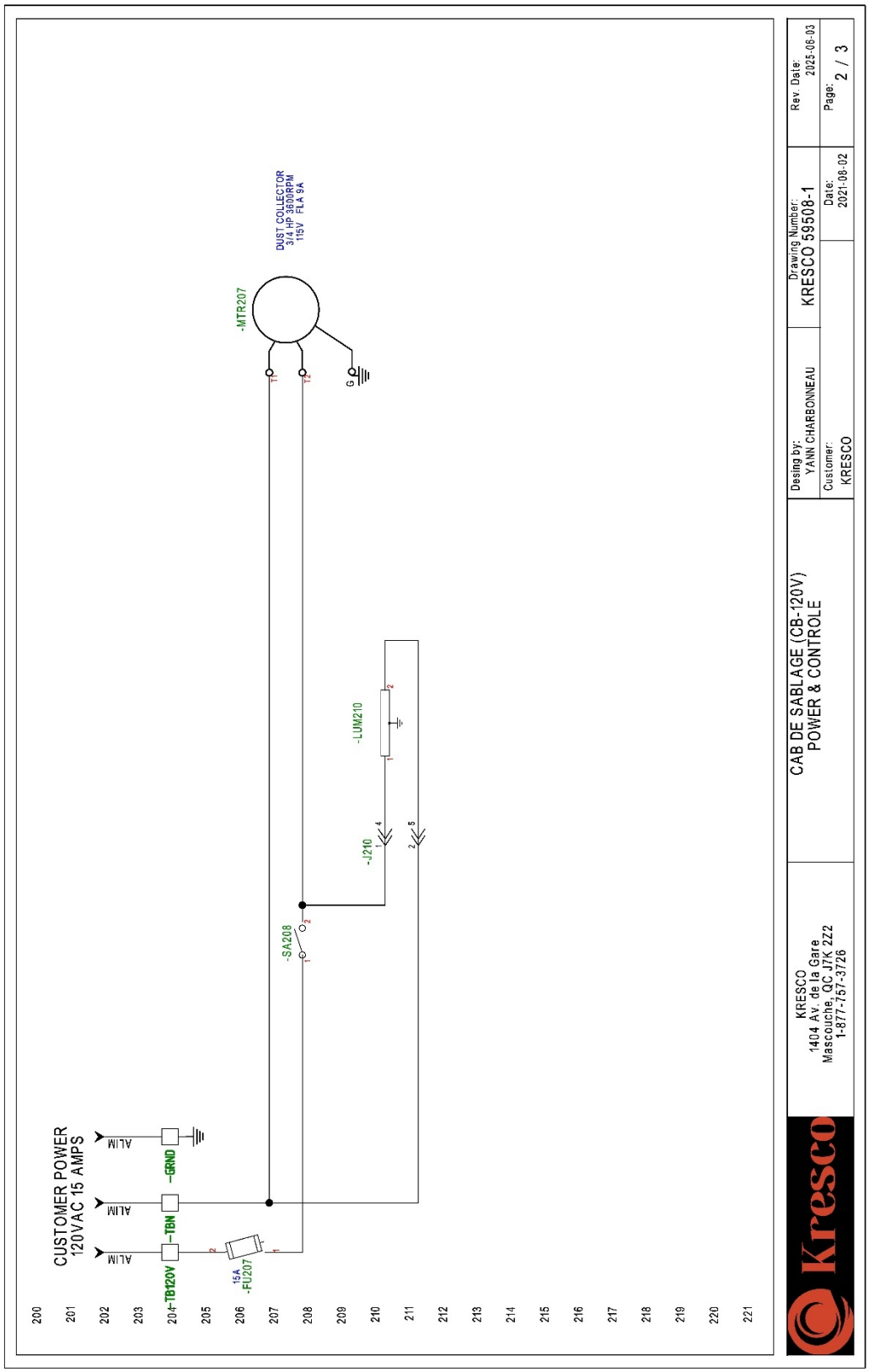
[1] Never use non-recyclable abrasive in Kresco Sandblast Cabinets, such as slag, silica sand, recycled glass, or others like them. Kresco cabinets are designed to be used exclusively with recyclable abrasive that generates a limited amount of dust. Ask your Kresco Technical Representative for more information.

Type of Failure	Possible Cause	Resolution
Abrasive Media in good working condition ends up in the dust container of the Dust Collector Drum (too much velocity (cfm) in the Cyclone Separator)	Incorrect adjustment of the 2" SBR 1/8" Rubber Band of the cyclonic separator. The orifices are partially or completely open, which increases the velocity inside the Cyclonic Separator.	Follow the **ADJUSTING THE 2" SBR 1/8" RUBBER BAND** procedures and cover gradually the holes to reduce velocity **NOTE**: If abrasive media has changed since the initial usage of the Sandblast Cabinet, contact a Kresco Technician for the proper adjustments
	The seal around the Large Debris Drawer is damaged or not properly installed	Check the gasket around the drawer to make sure it is tight and replace if necessary
	The Telescopic Tube of the Cyclonic Separator is not adjusted properly due to a change of abrasive or it is damaged.	Contact your Kresco Technical Representative[2]
Lack of abrasive in the mix (the nozzle blows mainly air)	There is no more abrasive media in the Storage Hopper for one of the following reasons: 1. The whole media reserved turned into dust and was exhausted to the Dust Collector 2. An incorrect adjustment of the Cyclonic Separator evacuated all the media into the Dust Collector 3. The Media Reclaiming Hose Outlet (behind the cabinet) partially or completely blocked	1. Follow the **ABRASIVE MEDIA FILLING PROCEDURE** to add media in your system 2. Follow the "Abrasive Media in good working condition ends up in the dust container of the Dust Collector Drum (too much velocity (cfm) in the Cyclone Separator)' failure resolution above 3. Follow the **UNBLOCKING THE MEDIA RECLAIMING HOSE** procedure to unclog the hose
	Incorrect adjustment of the AR ¾ Media Regulation Valve (the clip is too open, not letting enough Abrasive Media into the mix)	Follow the **ADJUSTING THE AR ¾ MEDIA REGULATION VALVE** procedure and slightly close the valve clip to allow more Abrasive Media in the mix
	Blocked the AR ¾ Media Regulation Valve and/or Media Suction Hose linking to the Sandblast Gun	1. Place a finger at the nozzle outlet to obstruct it and press on the pedal to activate the sandblasting in an attempt to force air upstream of the nozzle to unblock it 2. If this does not solve the problem, disassemble the AR ¾ Media Regulation Valve and

[2] The Telescopic Tube of the Cyclonic Separator is factory adjusted for the abrasive specified at the time of purchase. If the abrasive changes during operation, it may be necessary to readjust the inner tube to alter the movement and flow of air within the Cyclonic Separator.

Type of Failure	Possible Cause	Resolution
		Media Suction Hose in an attempt to isolate and resolve the obstruction
	Media Suction Hose is damaged or has an air leak	1. Inspect the hose for holes (especially under the screened floor if it has been exposed to abrasive blasting) 2. Remove the hose from the Sandblast Gun and the AR ¾ Media Regulation Valve and install it again 3. Replace the hose and/or its coupling if necessary
	Wrong Air Jet to Sandblast Nozzle ratio. **The ratio should be 2 to 1 (Sandblast Nozzle inner diameter = 2 times Air Jet inner diameter)**	Service the Sandblast Gun: 1. If the Sandblast Nozzle is damaged by excessive wear from the outside or inside, replace it 2. If the internal diameter of the Sandblast Nozzle exceeds 1/16" of its original size, replace it 3. If the internal diameter of the Air Jet exceeds 1/16" of its original size, replace it 4. If any of the Sandblast Gun or gaskets are damaged and/or pierced, replace them
	Restriction at the air supply connection (a quick connect or a connection that creates a restriction has been used)	Review the **INSTALLATION AND STARTING OPERATIONS** procedure and use only straight couplings as indicated in the manual
	Compressor unable to supply the compressed air requirement for the application	Review the **SETTING WORKING AIR PRESSURE / SUCTION SYSTEM AIR CONSUMPTION TABLE** procedure to ensure your compressor is able to supply the air required for your application
	Large Debris Trap Drawer partially or completely obstructed	Turn OFF the Sandblast Cabinet to shut off the Dust Collector Impeller, open and empty the Large Debris Trap Drawer
Too much abrasive in the mix (the blast stream is unstable, erratic and surging)	Incorrect adjustment of the AR ¾ Media Regulation Valve (the clip is too far closed, letting too much Abrasive Media into the mix)	Follow the **ADJUSTING THE AR ¾ MEDIA REGULATION VALVE** procedure and slightly open the valve clip to allow less Abrasive Media in the mix

ELECTRICAL DRAWINGS


CUSTOMER POWER
120VAC 15 AMPS
ALIM
ALIM
ALIM
-GRND
-TBN
-TB120V
15A
-FU207
-SA208
-J210
-LUM210
-MTR207
DUST COLLECTOR
3/4 HP 3600RPM
115V FLA 9A
T1
T2
G
KRESCO
1404 Av. de la Gare
Mascouche, QC J7K 2Z2
1-877-757-3726
CAB DE SABLAGE (CB-120V)
POWER & CONTROLE
Desing by:
YANN CHARBONNEAU
Customer:
KRESCO
Drawing Number:
KRESCO 59508-1
Date:
2021-08-02
Rev. Date:
2025-06-03
Page:
2 / 3

PARTS LIST

Fonction	Location	Reference	MFG P/N	Technical description	Manufacturer
	+CAB1	-ENC205	5269C	FEMALE PLUG 5-15P STRAIGHT 2 POLES 3 GROUND, 125V 15A	HUBBELL
	+CAB1	-ENC205	9858SW0008	14/3 AWG, TYPE SJEOW, TERMINATED WITH 5-15 PLUG, 105C, 125V 15A	SOUTHWIRE CANADA
	+CAB1	-ENC205	SJOOW	14/3 AWG, 105C, 300V	GENERAL CABLE
	+CAB1	-ENC205	5266C	MALE PLUG 5-15P STRAIGHT 2 POLES 3 GROUND, 125V 15A	HUBBELL
	+CAB1	-FU207	HKP-HHR	PANEL MOUNT FUSE HOLDER 1/4*1 1/4, 250V 30A	BUSSMAN
	+CAB1	-FU207	MDA-15	GLASS FUSE 1/4*1 1/4, 250V 15A	BUSSMAN
	+CAB1	-GRND	1020100000	FEED-THROUGH TERMINAL BLOCK, SCREW CONNECTION, DARK BEIGE, 4 MM², 32 A, 800 V, NUMBER OF CONNECTIONS: 2	WEIDMULLER
	+CAB1	-J210	RDMC20AR	NYLON CORD GRIP M TYP2 M20*1.5 0.35	ELEC DIRECT
	+CAB1	-J210	YF2A14-UB3XLEAX	FEMALE CONNECTOR, M12, 4-PIN, STRAIGHT, A-CODED, 300V 4A	SICK
	+CAB1	-J210	YM2A14-UB3XLEAX	MALE CONNECTOR, M12, 4-PIN, STRAIGHT, A-CODED, 300V 4A	SICK
	+CAB1	-J210	RDMC20AA	NYLON CORD GRIP M TYPE M20*1.5 0.47	ELEC DIRECT
	+CAB1	-LUM210	2SLSTP2040DD120V	2' LINEAR LED STRIPLIGHT, 120V 0.19A 23W	METALUX
	+CAB1	-MTR207	YCN5632A	THERMALLY PROTECTED SINGLE PHASE MOTOR, CLASS B INSULATION, 115/230VAC 60HZ 3/4HP	J.R.P
	+CAB1	-SA208	GSW-121	TOGGLE SWITCH 2P SPST 20A 125V, 10A 277V, 3/4HP 125-250 VAC	GARDNER BENDER
	+CAB1	-TB120V	1020100000	FEED-THROUGH TERMINAL BLOCK, SCREW CONNECTION, DARK BEIGE, 4 MM², 32 A, 800 V, NUMBER OF CONNECTIONS: 2	WEIDMULLER
	+CAB1	-TBN	1020100000	FEED-THROUGH TERMINAL BLOCK, SCREW CONNECTION, DARK BEIGE, 4 MM², 32 A, 800 V, NUMBER OF CONNECTIONS: 2	WEIDMULLER

Kresco
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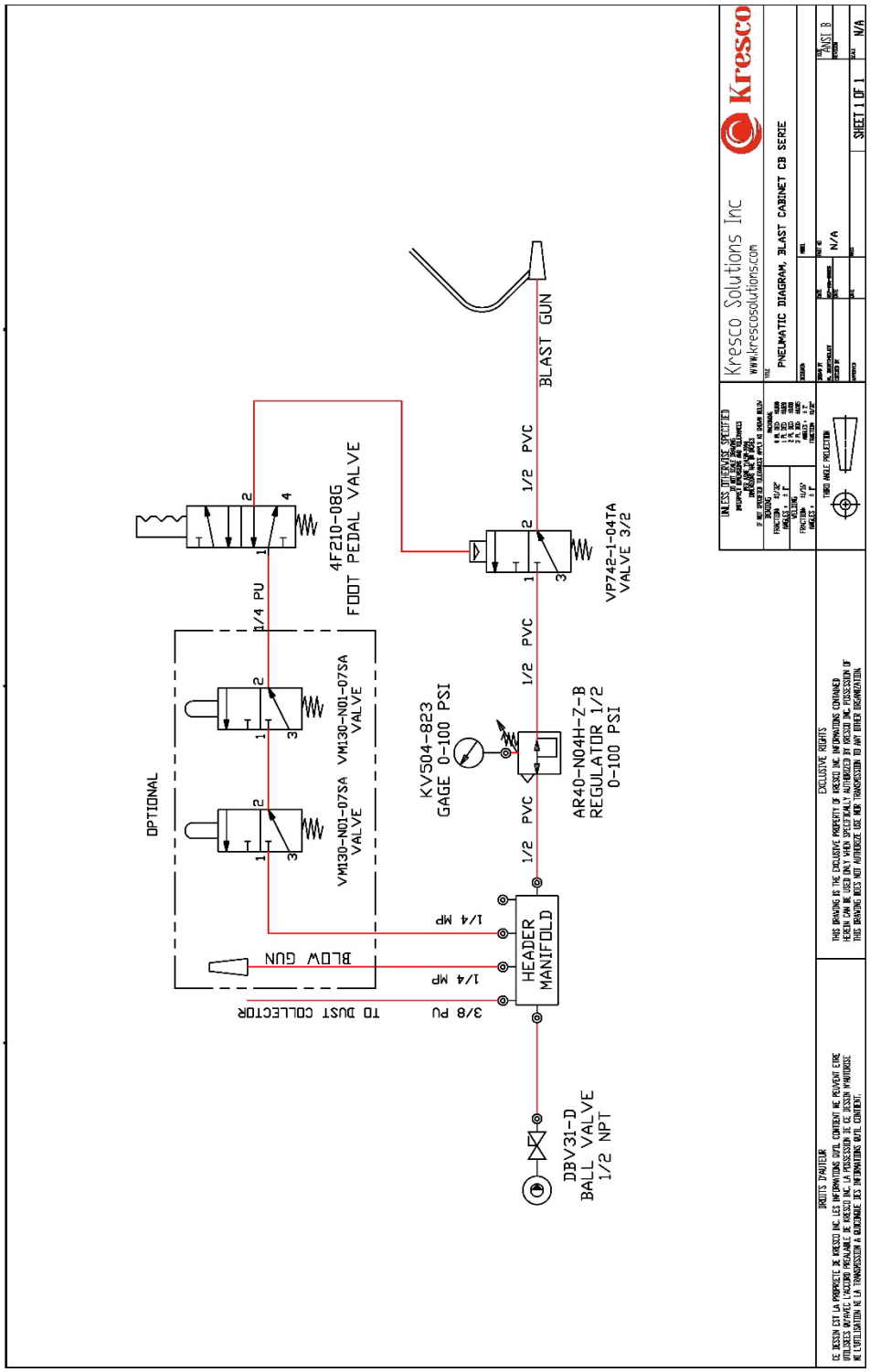
1404 Av. de la Gare
Mascouche, QC J7K 2Z2
1-877-757-3726

CAB DE SABLAGE (CB-120V)

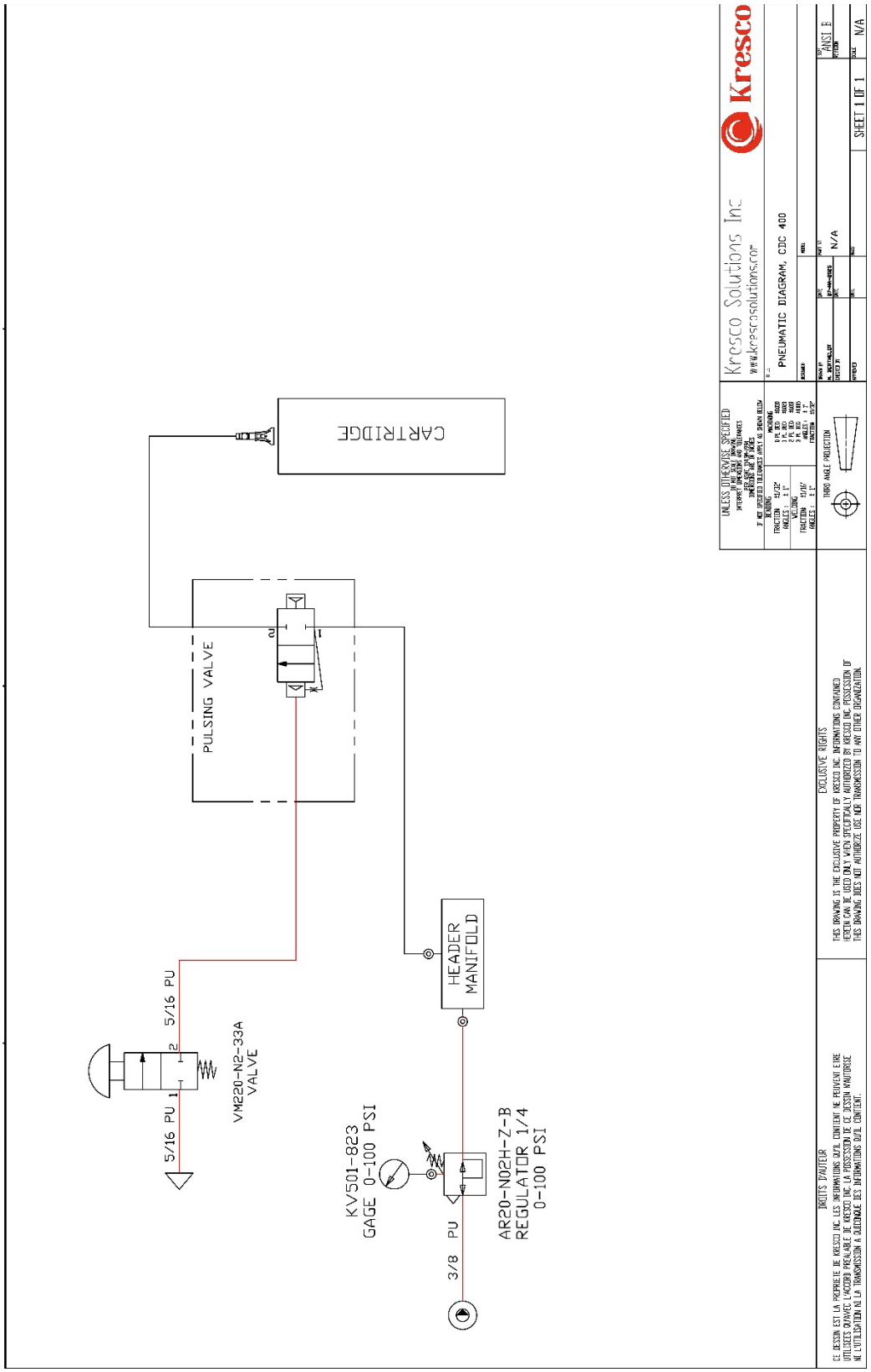
Clients:	No de Dessin.:	Rév.:	Page Rév. Date:
KRESCO	KRESCO 59508-1		2025-06-06
Dessiné Par.:	Date: 2025-06-06		Page: 3 / 3

PNEUMATIC DIAGRAMS

SANDBLAST CABINET CB SERIES SUCTION TYPE



DUST COLLECTOR CDC 400



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.