

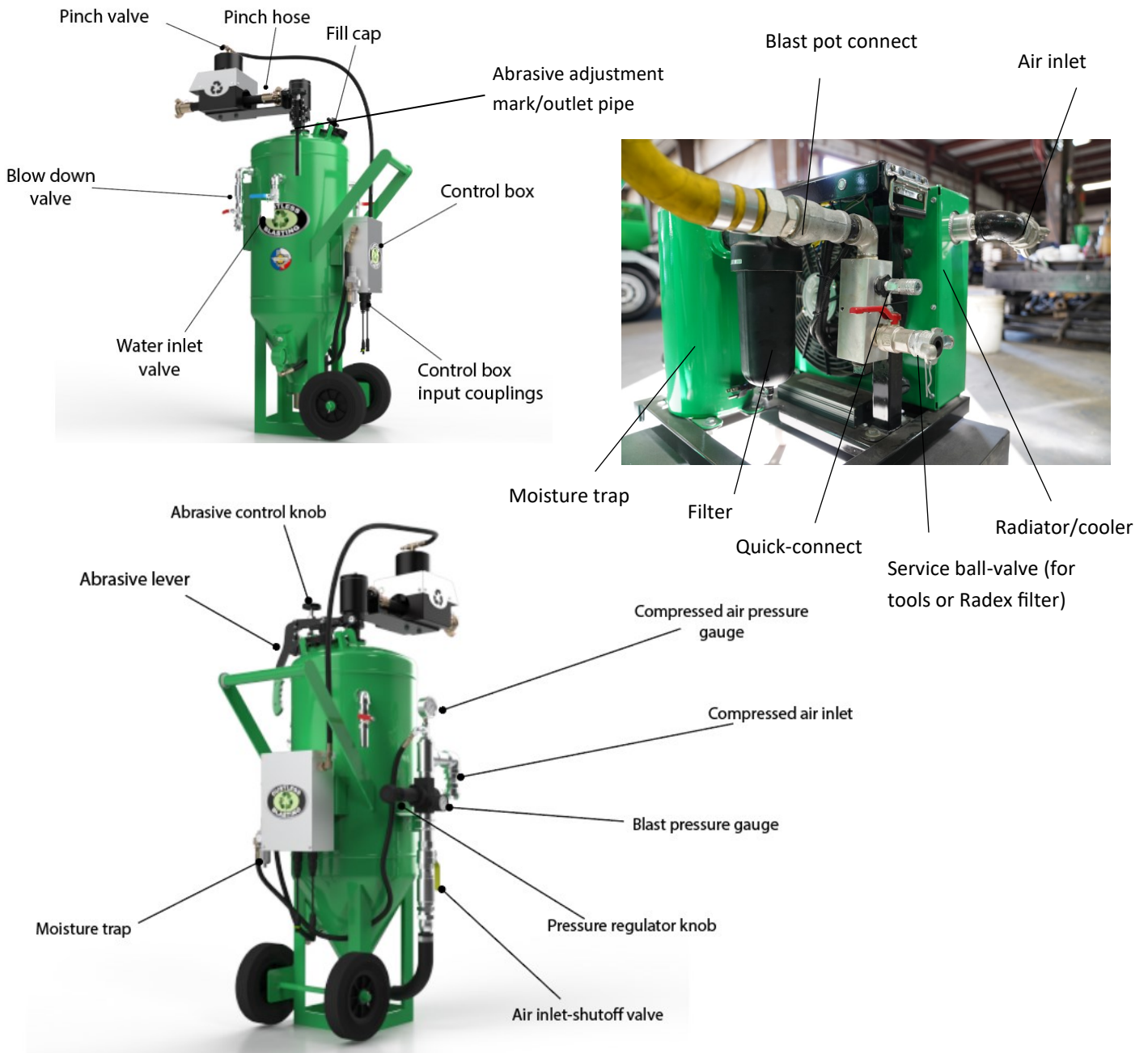


Quick Guide: DB350® Flex Cart Start Up & Shut Down

Warning:

Before beginning the startup of the Flex Cart, make sure the cart is in the proper place for blasting. If blasting indoors, move the cart close to the blasted surface. If the blasted surface is outdoors, leave the Flex Cart inside and cover the remaining distance with the blast hose. Once the machine is situated in the proper spot and on a flat, smooth surface, be sure to lock all of the caster wheels on the bottom of the cart to keep the machine in place during use. Operator is responsible for reading and understanding all warnings and safety information listed in the blast pot user manual and this Quick Guide before machine use.

Machine Component Overview

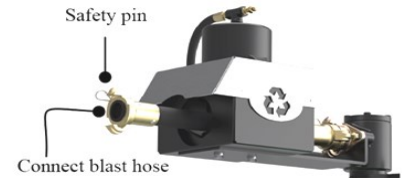


Flex Cart Start Up

Caution:

Make sure the machine is off and depressurized before completing the startup steps. The air-inlet shutoff valve on the blast pot should be closed and the blow down valve should be open. Make sure the caster wheels are set to the locked position. Use caution when transporting the cart.

1. Attach the blast hose to the pinch hose at the top of the blast pot and insert the safety pins.
2. Screw on the appropriate blast hose nozzle. The nozzle size is based on the air compressor/source size.



Caution:

The air cooler and dryer component of the machine can process up to 425 SCFM. Ensure proper SCFM and operating temperature range, -30F to 175F are met before using the air cooling and drying system. If operating in temperatures below 35F, ensure air is dry enough to avoid ice formation.

3. Connect the air supply source to the air inlet on the Flex Cart air cooling and drying system.
 - 3a. If using accessory ports, connect applicable components to either the service ball-valve or the quick-connect.



Quick-connect

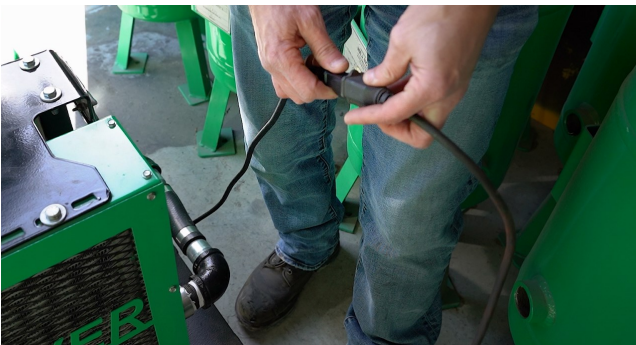
Service ball-valve

Connect air source to
air inlet

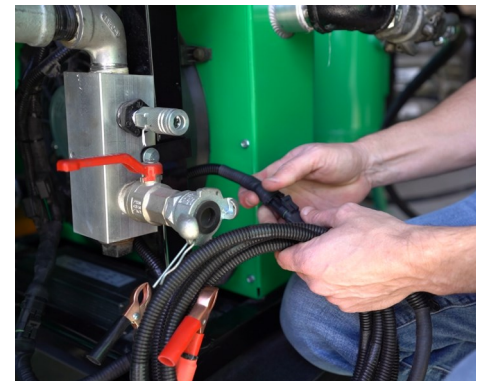


4. Connect the cart to the power source.

- If using AC power source, the electrical requirements are 120v. Connect the power plug from the power supply on the Flex Cart to the plug on your power source.
- If using DC or battery power source, the electrical requirements are 12v. There is a separate cable with alligator clips included with the cart. Plug this cord into the power supply on the cart. The red clip on the cable will run to the positive terminal on the battery. The black clip will go to the negative terminal on the battery.

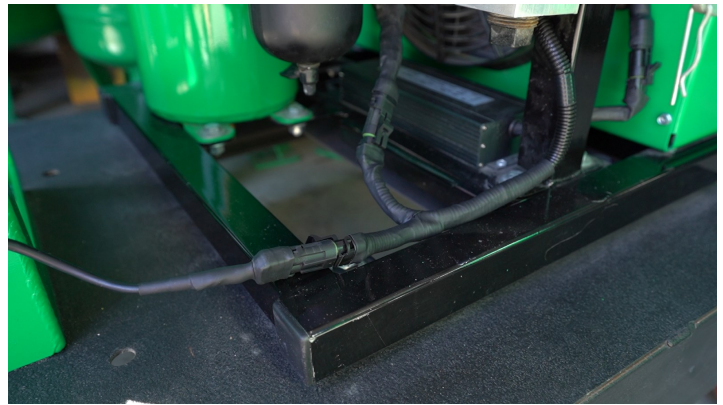
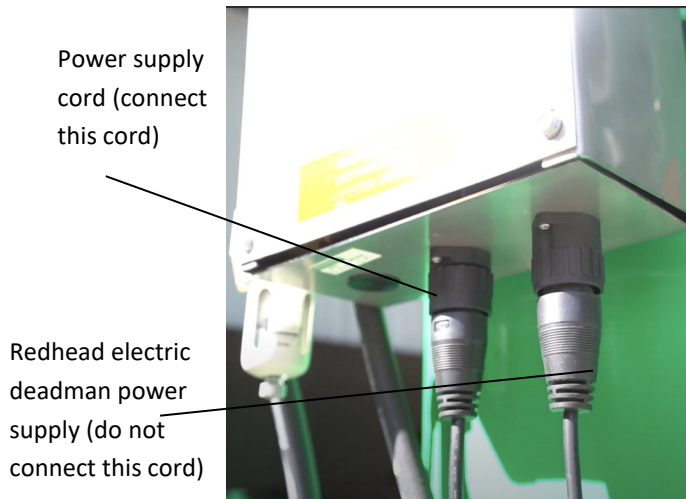


AC power source connect



DC power source connect

5. Connect the blast pot to the power supply as shown in the Figure below.



Connect the power supply cord to the cord on the air cooling and drying system.

6. Press the button on the back of the air cooling and drying radiator to turn the fan on. If the power is connected properly, the fan will turn on and the button will illuminate red.

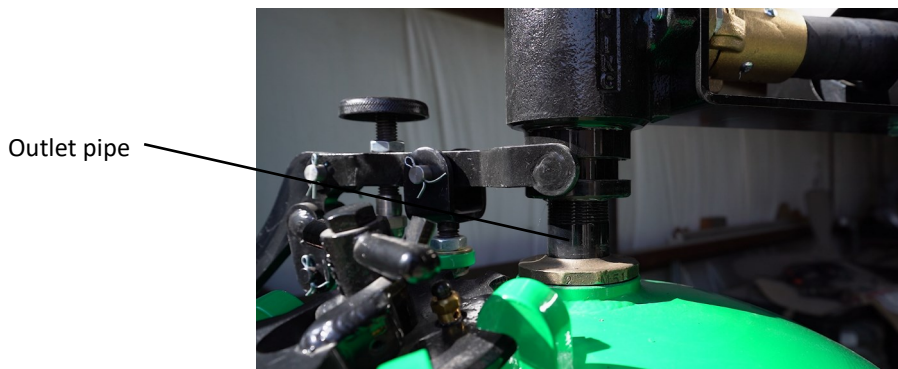


7. Fill the blast pot according to the pot user manual instructions.

Caution:

The blast pot should remain depressurized during the fill process. The air-inlet shutoff valve on the blast pot should be closed and the blow down valve should be open.

Note: Adjust the outlet pipe according to the blast pot user manual section *Adjusting Abrasive Flow Rate*. A good measurement to start blasting with the Flex Cart setup is 3/16" of an inch. Each quarter turn of the abrasive valve raises the outlet pipe 1/16" of an inch.



8. Turn on the compressor or other air source and let compressor idle for 10-15 seconds before allowing air to flow freely to the Flex Cart. Slowly open the lever on the accessory ball valve if applicable.

Warning:

Follow all safety procedures listed in your blast pot user manual before, during, and after active blasting. Operator must adhere to all recommended PPE and operating standards to prevent risk of serious injury. Read and understand the *Blast Pot Start Up* section of the blast pot user manual before operation.

9. Pressurize the blast pot. To do this, pull up on the abrasive lever to move the handle into the unlocked position, close the blow down valve, and slowly open the air-inlet shutoff valve.



Adjust abrasive lever to unlocked position.

Blow Down Valve



Open Position



Closed Position

Air-Inlet Shutoff Valve



Closed Position



Open Position



10. Set the pressure regulator to 110 PSI. To adjust the operating pressure, see the blast pot user manual section *Adjusting Operating Pressure*.



Pressure Regulator

11. Start blasting.

Flex Cart Shut Down

Caution:

If using a compressor for air source, DO NOT turn the compressor off when starting the shut down process. Failure to leave the compressor running will cause a backflow of air, water, and media into the system and could damage the machine. User is responsible for proper understanding and operation of utilized air source.

1. When blasting is finished, depressurize the blast pot. Close the air-inlet shutoff valve and slowly open the blow down valve.



Open Position

Air-Inlet Shutoff Valve



Closed Position


Keep compressor running



Closed Position

Blow Down Valve

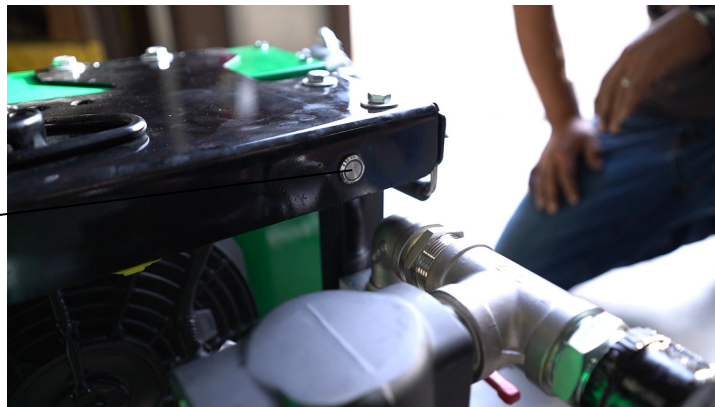


Open Position

2. Let the blast pot fully depressurize before turning off the compressor, if applicable.

3. Turn the air cooling and drying system radiator fan off by pressing the button on the back panel.

On/Off Button



4. Disconnect the air inlet from the connected air supply.

5. After each blast, drain the water from the moisture trap next to the air drying and cooling system by loosening the screw on the bottom of the trap.

Loosen screw on
moisture trap



6. After each blast, drain the water from the filter on the side of the air drying and cooling system by loosening the wingnut on the bottom of the device.

Loosen wingnut on
filter



Note: For blast pot cleaning and maintenance, reference the blast pot user manual for more information.