Sponge-Jet® Sponge Blasting System

Sponge-Jet Continuous VAC-™ Recovery System User Manual

Model

CVR-P220

Headquarters/Manufactured By:

Sponge-Jet, Inc. (USA)

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Basic Components *(continued)*

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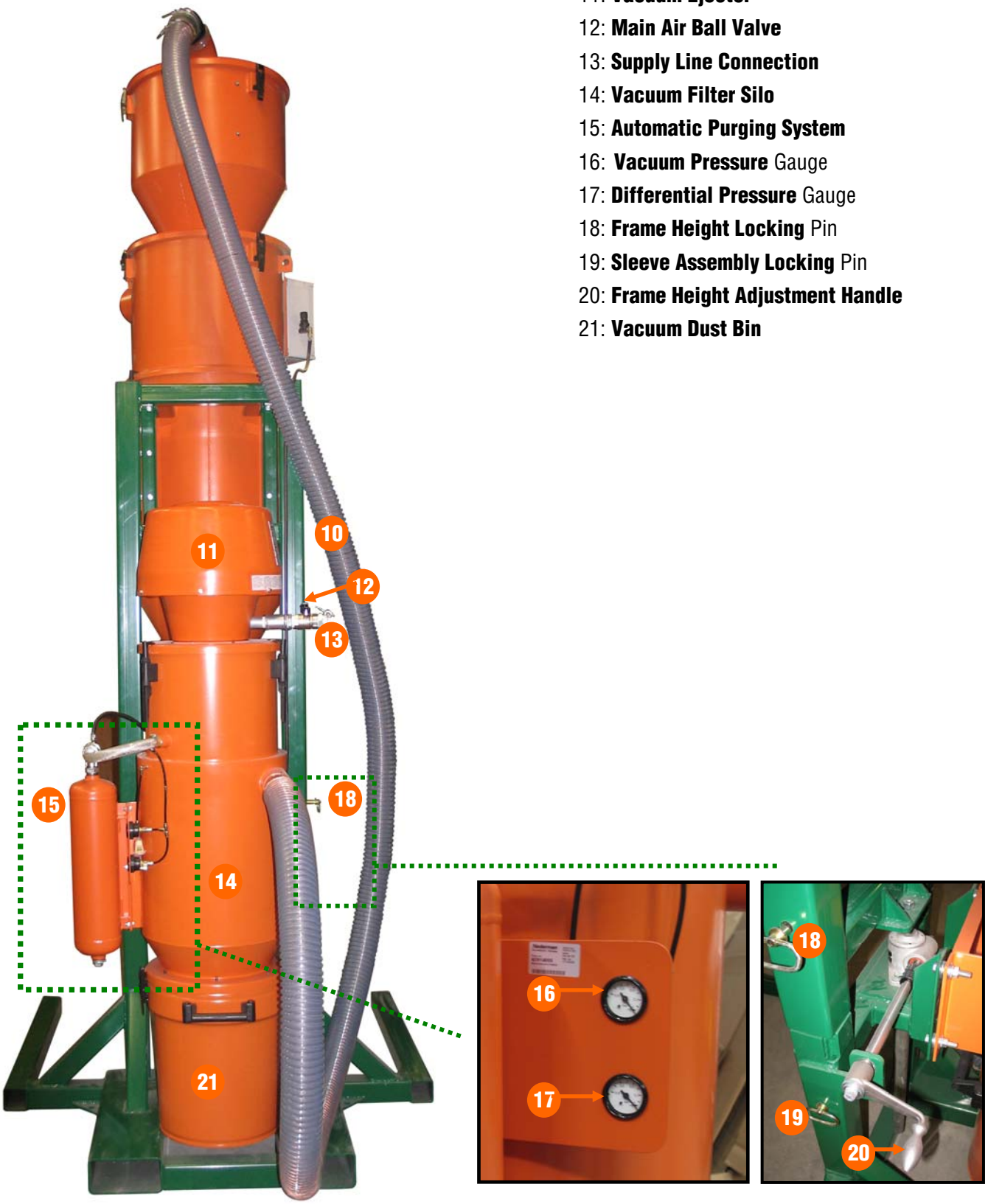
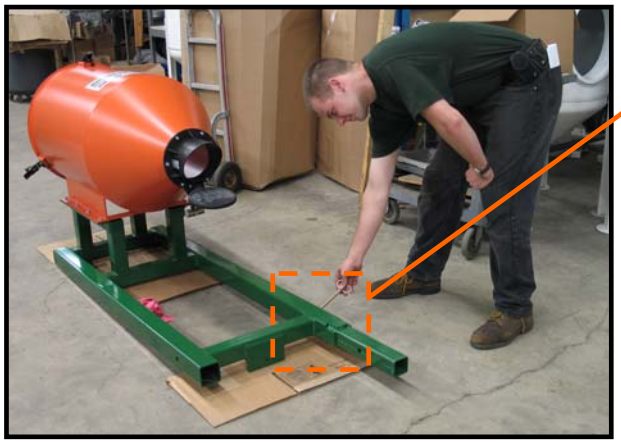


2.0 Safety Checklist

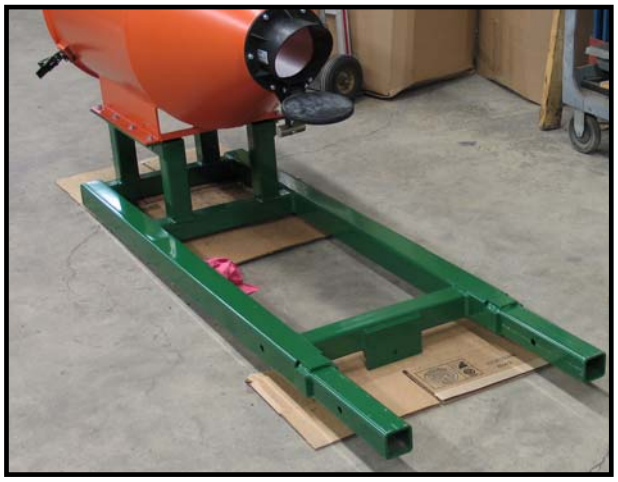
- This Unit is a pressurized system. Only trained operators should adjust, maintain and repair this equipment.
- Inbound pressure should never exceed 7bar(100psi).
- To prevent electrostatic buildup and possible electric discharge, the unit must be properly grounded / bonded.
- Operators and people in proximity to blasting should always wear eye and hearing protection with the appropriate respiratory equipment and clothing, which may depend on the type of coating or contaminant being removed.
- All pneumatic lines should be inspected for holes, wear and proper fit.
- Safety pins and restraints should be fitted at all Supply Air Hose couplings to prevent accidental disconnection.
- Verify the unit is stable, secure and on a flat surface.
- Before all activities (other than normal operation), ensure the entire system is depressurized.

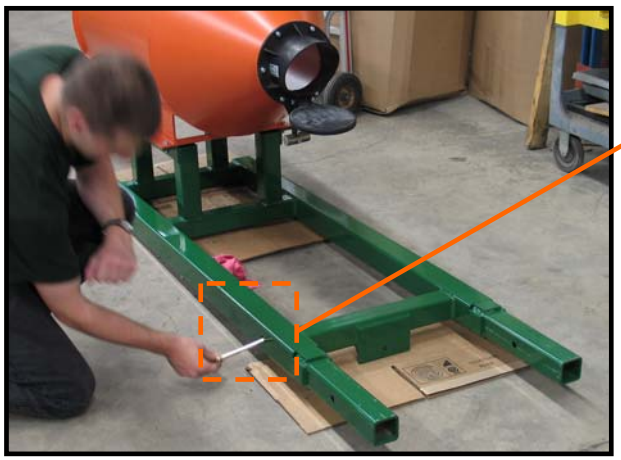
IMPORTANT: Under **NO** circumstances should any inspection, adjustment or lubrication be conducted while running or connected to an air supply.

3.0 Assembly



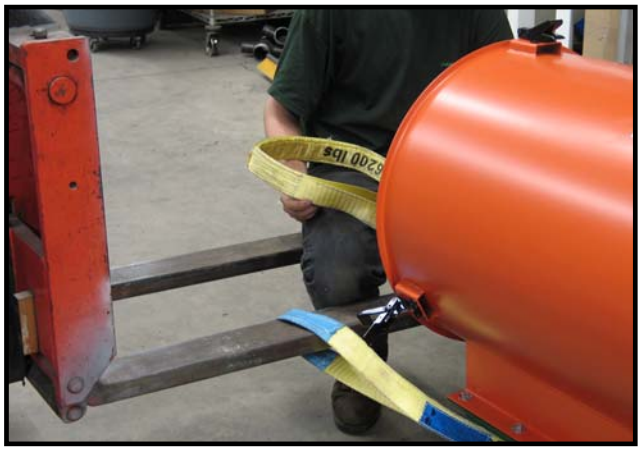
Insert the **Frame Height Locking** pin, secure with clevis pin





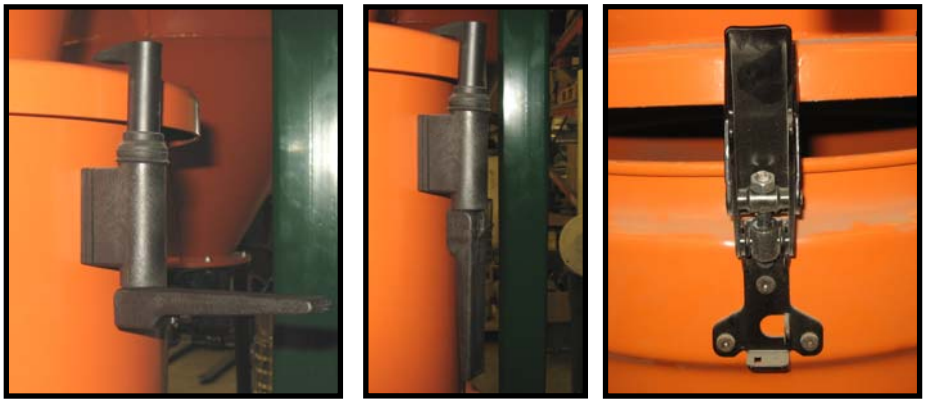
Insert the **Frame Height Locking** pin, secure with clevis pin

Lifting strap should be rated minimum 453kg (1,000lbs)



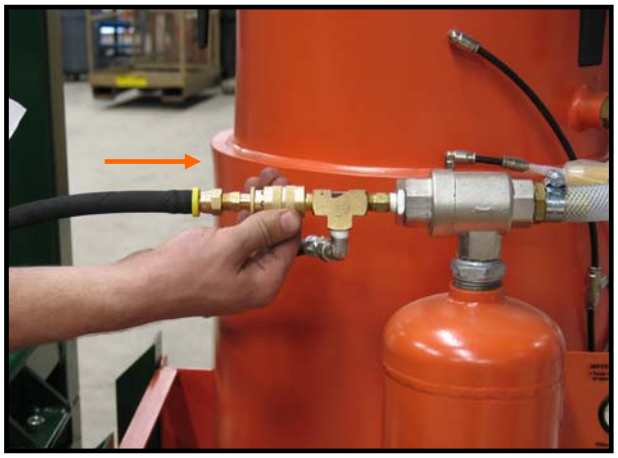
Tighten jack before raising frame to desired height

Check **Clamps** are engaged







Connect **Timer Control Panel Pressure Line** to **Automatic Purge System**

Connect **Vacuum Hose**

Connect Internal **Vacuum Source Hose**

4.0 Requirements

4.1 Air Supply/Compressor

Clean, dry compressed air must be supplied. This unit requires a minimum air supply of **4.1nm³/min (145cfm)** supply air at 7bar(100psi).

4.2 Air Supply Connection

This unit uses a 32mm (1.25in) National Pipe Thread (NPT) fitted with a 32mm (1.25in) universal 4 lug coupling. The air supply hose should be fitted with a mating connector or replace both connectors as desired.

Connect a minimum 32mm (1.25in) supply hose to **Supply Line Connection**. **Note:** High humidity environments require additional moisture separators.

5.0 Operation

Before Recycler Pressurization and Operation:

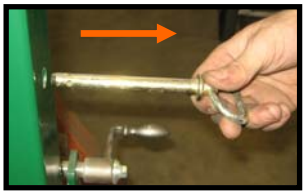
- Verify the unit is stable, secure and on a flat surface.
- All pneumatic lines should be inspected for holes, wear and proper fit.
- Safety pins and restraints should be fitted at all Supply Air Hose couplings to prevent accidental disconnection.
- Before all activities (other than normal operation), ensure the entire system is depressurized.

Check that all **Clamps** are engaged.



Connect air supply hose to **Supply Line Connection** and secure with safety pins and restraints

Adjusting Frame Height: Remove **Frame Height Locking** Pin (both sides)



Turn **Frame Height Adjustment Handle**; raise or lower frame to desired height

Re-install **Frame Height Locking** Pin (both sides)

IMPORTANT:
DO NOT REMOVE
Sleeve Assembly Locking Pin
(for disassembly only)

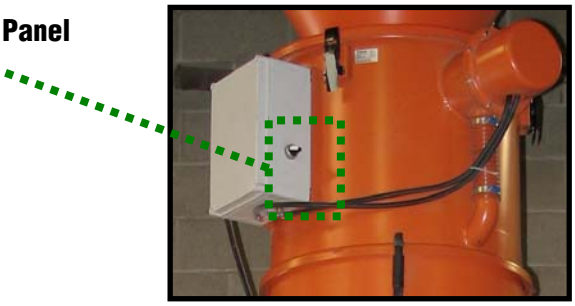
Position **Sponge-Jet Recycler™** under **Recycler Drop Out**

Activate **Sponge-Jet Recycler** with containers under downspouts

Open **Main Air Ball Valve**

Vacuum **Sponge Media™**

6.0 Troubleshooting

Unit won't turn on	Ensure air supply is maintaining a minimum of 7bar(100psi). **Note:** pressures higher than recommended, gradually reduce vacuum performance.
Unit won't vacuum	Check for clogs in **Vacuum Hose** and remove. Check filter, remove and replace if necessary 
Vacuum doesn't drop out material	Check to see if **Timer Control Panel** switch is in "ON" position 

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