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1.0 Introduction

Basic Components

1: Vacuum Hose Connection
2: Cyclone Hopper
3: First Stage Recovery Cyclone Hopper
4: Timer-Control Panel
5: Vacuum Pressure Transfer
6: Clamps
7: Second Stage Recovery Cyclone Hopper
8: Adjustable Frame
9: Recycler Drop-Out Transition
Basic Components (continued)

10: Internal Vacuum Source Hose
11: Vacuum Ejector
12: Main Air Ball Valve
13: Supply Line Connection
14: Vacuum Filter Silo
15: Automatic Purging System
16: Vacuum Pressure Gauge
17: Differential Pressure Gauge
18: Frame Height Locking Pin
19: Sleeve Assembly Locking Pin
20: Frame Height Adjustment Handle
21: Vacuum Dust Bin
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 4.1 nm³/min (145 cfm) supply air at 7 bar (100 psi).

4.2 Air Supply Connection

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

Connect a minimum 32 mm (1.25 in) 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

<table>
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<th>Issue</th>
<th>Description</th>
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<tr>
<td><strong>Unit won’t turn on</strong></td>
<td>Ensure air supply is maintaining a minimum of 7bar (100psi). <strong>Note:</strong> pressures higher than recommended, gradually reduce vacuum performance.</td>
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<tr>
<td><strong>Unit won’t vacuum</strong></td>
<td>Check for clogs in <em>Vacuum Hose</em> and remove. Check filter, remove and replace if necessary.</td>
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<tr>
<td><strong>Vacuum doesn’t drop out material</strong></td>
<td>Check to see if <em>Timer Control Panel</em> switch is in “ON” position</td>
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