VACUWORX

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GOT QUESTIONS?

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CM SERIES

CM 3 QUICK START GUIDE

VISIT VACUWORX.COM TO DOWNLOAD COMPLETE OPERATION MANUAL

PATENT PENDING

ISO STANDARD 9001:2015 CERTIFIED

OPERATION

OPERATING TIPS

The following information does not include all conditions that may be encountered in standard operations, but is intended to supplement any operational and safety training. Contact your Vacuworx representative for additional training information.

ATTACHING TO HOST MACHINE

1. Connect the host machine to the mounting assembly (Fig. 1-1). Make sure the lock levers are fully engaged.

Fig. 1-1

2. Connect the three hydraulic hoses to the host machine using the supplied quick connects (Fig. 1-2).

Fig. 1-2

3. Position the hydraulic hoses using the attached magnets so they do not interfere with the operation of the host machine.

4. Route the vacuum control hoses up to the cab of host machine. Use attached magnets to secure hoses so they do not interfere with host machine function (Fig. 1-3).

Fig. 1-3

5. Connect hoses to control box.

6. Mount controller to metal surface inside cab with attached magnets (Fig. 1-4).

Fig. 1-4

7. Rotate storage legs into the operating position.

VACUUM GAUGES

Always position lifter so that the operator can see the lifter gauge.

The lifter gauge should always read in the green range (Fig. 1-5, 1) when operating. If the gauge is in the yellow range (Fig. 1-5, 2), lower the load and rebuild vacuum. We recommend you do not use the lifter below -18 inHg (-61 kPa) of vacuum. If the gauge drops into the red range (Fig. 1-5, 3), immediately stop, determine what the cause is, and correct it before continuing.

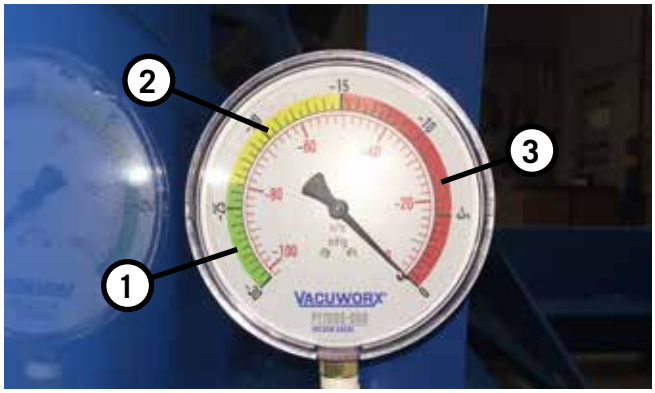

Fig. 1-5

AUXILIARY HYDRAULICS

1. Activate auxiliary hydraulics to build vacuum in reservoir.
2. Repeat to build vacuum as necessary during operation (refer to host machine owners manual).

MANUAL CONTROL OPERATION

1. Start in the OFF position (Fig. 1-6).

Fig. 1-6

2. Turn the lever so the arrow points to LIFT (Fig. 1-7) to create vacuum on the pad. Once the gauge reaches 22 it is safe to lift the load.

Fig. 1-7

3. To release the load, turn the lever so that the arrow points to RELEASE (Fig. 1-8).

Fig. 1-8

4. Once the gauge reaches zero the pad can be removed from the object it was lifting.
5. Turn the switch back to the OFF position.

WIRELESS REMOTE CONTROL OPERATION

Fig. 1-9

GETTING STARTED

1. Press any button to begin operation. This will activate the transmitter and receiver on the matched equipment at the same time.
2. The green LED light (Fig. 1-9, 1) on the transmitter will blink 2 times per second when the transmitter and receiver are communicating. It will blink 1 time per second if there is no communication (i.e. no power to the CM 3/SL 2).
3. The red LED light (Fig. 1-9, 2) on the transmitter will blink if the battery is low and should be replaced.

OPERATION

1. The transmitter is configured for two-handed operation.
2. To create vacuum on the pad to lift the load, lower the pad onto the material and hold blue button and press top red button (Fig. 1-9, 3) for 1-2 seconds. The CM 3/SL 2 will continue to build vacuum after you release the buttons.
3. Once the vacuum gauge is in the green range, it is safe to lift the load.

4. To release vacuum, lower the load to the ground, hold blue button and press top green button (Fig. 1-9, 4) for 1-2 seconds. The CM 3/SL 2 will continue to release the vacuum from the pad after you release the buttons.
5. Once the gauge reaches zero the pad can be removed from the object it was lifting.

TURNING OFF THE TRANSMITTER

Transmitter will automatically turn off after 3 seconds of inactivity.

PROPERLY POSITION THE VACUUM PAD

Do not operate until the vacuum pad is properly positioned on the material. Lift the material as close to the center as possible to keep the load balanced.

Fig. 1-10

LIFT, LOWER AND MOVE SLOWLY

Always lift the load slowly. Make sure the area is clear when moving the material. All bystanders must be kept at a safe distance. Move the host machine slowly, and carefully lower the load into position.

Never release the vacuum while the load is being lifted. Make sure the material is properly supported before releasing the vacuum.

KEEP LOADS LOW

Do not lift loads higher than necessary. Always keep loads close to the ground when possible. Never leave a suspended load unattended. Always lower the load to the ground when not in use.

STORING THE LIFTER

1. Reposition legs to storage position.
2. Disconnect the controller and hydraulic quick connects.
3. Wrap hoses around body of lifter.
4. Attach control unit to lifter.
5. Disconnect mounting assembly from host machine.

MODULAR PAD SYSTEM

CHANGING PAD BEAM

6. Position legs to the storage position and lower the CM 3 to the ground (Fig. 3-1).

Fig. 3-1

7. Remove the pins connecting the beam to the lifter (Fig. 3-2).

Fig. 3-2

8. Carefully lift the CM 3 away from the beam (Fig. 3-3).

Fig. 3-3

9. Slide the beam out of the way and put the other one in its place (Fig. 3-4).

Fig. 3-4

10. Slowly lower the CM 3 onto the beam, making sure the connection holes are lined up (Fig. 3-5). Or, with the CM 3 positioned at a comfortable working height, lift the beam into place (Fig. 3-6).

Fig. 3-5

Fig. 3-6

11. Reinsert the pins to connect the beam to the lifter and install lynch pins to secure (Fig. 3-7).

Fig. 3-7

CONNECTING PAD(S)

SINGLE

12. Lift CM 3 to comfortable working height.
13. Slide on pad (gauge facing host machine & vacuum hose on opposite end of host machine) (Fig. 3-8).

Fig. 3-8

14. Line up holes on pad to the center of the beam (Fig. 3-9).

Fig. 3-9

15. Insert pins to connect the pad to center of beam and install lynch pins to secure (Fig. 3-10).

Fig. 3-10

16. Connect vacuum hose from pad to CM 3 (Fig. 3-11).

Fig. 3-11

DOUBLE

17. Lift CM 3 to comfortable working height.
18. Slide on pad (gauge facing host machine & vacuum hose on opposite end of host machine) (Fig. 3-8).
19. Slide on other pad (gauge facing away from host machine & vacuum hose on opposite end of host machine) (Fig. 3-12).

Fig. 3-12

20. Position pads evenly apart from the center of the beam to desired distance (lining up the holes from pads to beam).

21. Insert pins connecting pads to beam and install lynch pins to secure (Fig. 3-10).

22. Connect vacuum hoses from pads to CM 3 (Fig. 3-11).

DISCONNECTING PAD(S)

23. Raise CM 3 to comfortable working height.

24. Disconnect pad vacuum hose(s) from CM 3 (Fig. 3-13).

Fig. 3-13

25. Remove the pad pin(s) from the beam.

26. Carefully slide the pad(s) off the beam (Fig. 3-14).

Fig. 3-14

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