



Fabtech ID
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USER'S MANUAL

SIMULATOR

ID- 008001S



*An innovative solution
for your training needs*

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TABLE OF CONTENTS

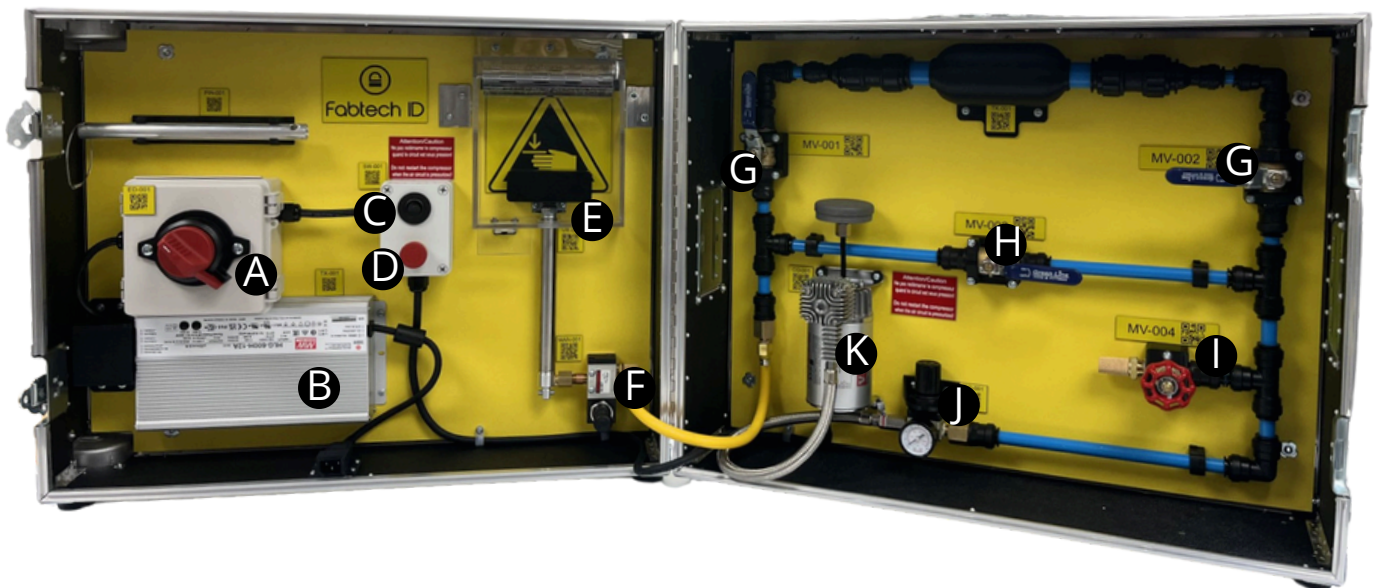
1. Simulator components	3
2. General characteristics of the simulator	3
3. Verification before use	4
4. Use of the devices	5
4.1 How to use the ball valve device?	5
4.2 How to use the handwheel valve device?	5
4.3 How to use the disconnecting device?	5
4.4 How to use the lockable ball valve device?	6
4.5 How to use the pneumatic cylinder device?	6
5. How it works	7
6. Maintenance and troubleshooting	8
6.1 Maintenance	8
7. List of parts	9
8. Warranty statement	10

Questions about how it works?
Feel free to watch the demonstration
video.



1. SIMULATOR COMPONENTS

- | | |
|---|--|
| A Disconnect Switches ED-001 | G Lockable ball valve MV-001 et MV-002 |
| B Transformer TX-001 | H Ball Valve MV-003 |
| C Switch SW-001 | I Drain gate valve MV-004 |
| D Emergency stop button | J Pressure indicator " Manometer " PG-001 |
| E Cylinder with mechanical lock VR-001 | K Air compressor CO-001 |
| F Handle valve MAN-001 | |



2. GENERAL CHARACTERISTICS OF THE SIMULATOR

- To practice lockout/tagout and control different types of energy
- To test the different mechanisms
- Includes several types of mechanisms and devices to adapt to your system
- To optimize training time in the classroom
- For better interaction and team building
- To facilitate and ensure the acquisition of knowledge
- Operates on 12V DC
- Comes with five lockout/tagout cards

3. VERIFICATION BEFORE USE

Before starting the simulator, check that the black SW-001 start button is in the closed "OFF" position. Also, make sure that the selector switch is in the correct position and that the emergency stop is in the "ON" mode. Then, plug in the simulator, turn the disconnect switch ED-001 to the "ON" position.



CAUTION!

Do NOT restart the compressor when the circuit is under pressure!

Place the switch SW-001 in the ON position. In case of emergency, press the emergency stop button.



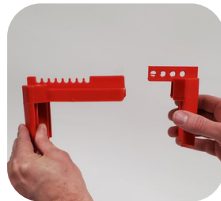
ATTENTION!

Even if you have keyed devices (selector switches), they are not recognized for lockout/tagout. Simply removing the key does not eliminate the power sources. The key should only be used for operating activities, **not maintenance or servicing**. **Also, pressing the emergency button does NOT mean that you can work in complete safety.**

4. USE OF THE DEVICES

4.1 How to use the ball valve device?

Separate the two sections of the device.



Close the ball valve MV-003 and place section 1 (L-shaped) on the valve.



Slide section 2 over the first section to the bottom.



Insert the padlock into one of the aligned holes and make sure it is locked.



4.2 How to use the gate valve device?

Close the gate valve MV-004 by turning clockwise, open the device and place it on the gate valve.



Close the device, insert the padlock into the aligned hole and make sure it is locked.



4.3 How to use the disconnecting device?

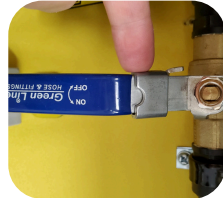
Turn the disconnect switch ED-001 to the "OFF" position, insert the padlock into the hole provided for this purpose and make sure that it is locked.



4. UTILISATION DES DISPOSITIFS (Suite)

4.4 How to use the lockable ball valve device?

Raise the retaining mechanism to close the ball valve MV-001 and MV-002 in the perpendicular position of the pipe.



This mechanism does not require any device to be locked. Only the padlock is required.



Insert the padlock into the aligned hole and make sure it is locked.



4.5 How to use the pneumatic cylinder device?

To lock the pneumatic cylinder VR-001 you will need to insert the metal rod PIN-001 into the hole provided.



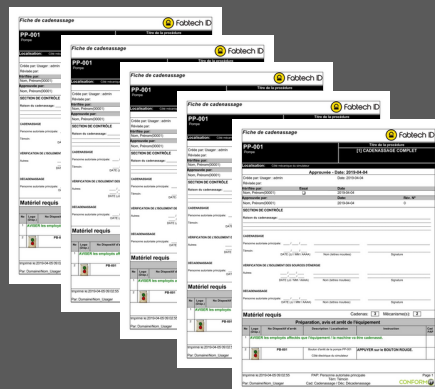
To lock the cylinder in the upright position, turn on the simulator so that the pressure raises the cylinder.



Then insert the rod and insert a padlock into the hole to secure the power source.



Five LOTO sheets are also included with the simulator.



5. HOW IT WORKS

The manufacturing process simulator reproduces an autonomous production unit in order to demonstrate the residual and accumulated energy in a compressed air network. It also explains the use of mechanical blocking with a retaining rod.

Types of energy: Electricity, compressed air, accumulated pressure, residual energy, potential (gravity), mechanical (*visual verification of energies with a pressure gauge*).

Start-up procedure

- 1** Check that the black start button SW-001 is in the "OFF" position.
- 2** Connect the simulator
- 3** Make sure the cylinder control lever is in the up position
- 4** Turn the disconnecter switch ED-001 to the "ON" position
NOTE : It is important to never stand in front of a disconnecting switch when putting it into service in order to prevent flash arc accidents
- 5** Release the emergency stop button by turning it clockwise
- 6** Close the drain flywheel valve MV-004 (clockwise)
- 7** Open all 3 valves : MV-001, MV-002 and MV-003
- 8** Then press the black start button SW-001

The pressure will increase until it reaches its approximate pressure threshold of 25 to 30 pounds maximum. You will be able to practice the control of dangerous and residual energies.

NOTE : The simulator also allows you to demonstrate an unbundling by performing the lockout steps in reverse order when the cylinder VR-001 is in the down position and an unbundling with a specific sequence when the cylinder is mechanically locked in the up position.

Closing steps

- 1** Press the black button SW-001 on the compressor to close it
- 2** Turn the disconnecter switch ED-001 to the "OFF" position
- 3** Open all valves to purge the system

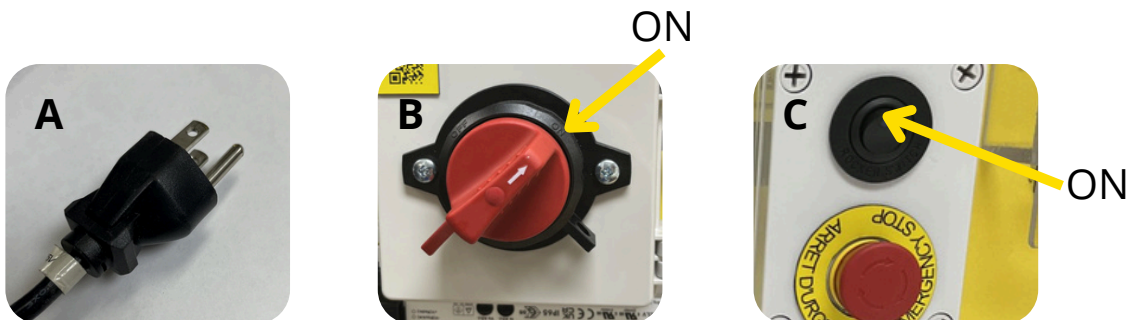
6. MAINTENANCE AND TROUBLESHOOTING

6.1 Maintenance

What if the simulator doesn't work?

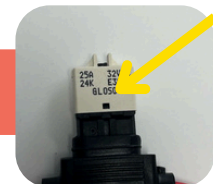
- Check if the plug is properly connected **(A)**
- Check if the disconnecter switch ED-001 **(B)** is in the "ON" position, if the emergency stop button is in the out position (turn to the right to check) and if the selector switch SW-001 is "ON" **(C)**.

CAUTION! Be sure to unplug the simulator before doing this.



- If it still doesn't work, check if the fuse of the disconnecter switch ED-001 is not blown. If so, reset the Manual Resettable Fuse by pressing the button.

CAUTION! Be sure to unplug the simulator before doing this.



If there is an apparent break on a connection, on the pneumatic cylinder itself or you need some spare parts, contact us at **1 (844) 322-8324** or by email at **communication@fabtechid.com**.

7. LIST OF PARTS

Quantity	# Item	Description
1	COFFRE-26X20X10	Transport box 20X26X10
1	ID-1866-2566-ND	Emergency stop red 22mm
1	83.427	Single action cylinder 3/4"x4".
1	ID-27520	Compressor
2	V202L-050	Ball valve 1/2" with lock
1	V202-050	1/2" ball valve
1	V205-050	1/2" handwheel valve
1	80.907	Manual valve 3/2-1/4 NPT
1	83.015	Cylinder support
5		Lockout/tagout sheets (Free)

Accessorie kit optional with each simulator (additional cost)



Your one-stop shop for lockout/tagout!

8. WARRANTY STATEMENT (1 YEAR)

Fabtech ID warrants its products to be free from defects in materials and workmanship at the time of shipment and to conform to the seller's specific quality standards or other specifications and standards previously established for such products. This warranty is made in lieu of any warranty of merchantability or fitness for a particular purpose, or any other warranty expressed or implied. Buyer assumes all risk and liability resulting from the use of said delivered products, whether used alone or in combination with other products.

Warranty claims must be submitted to us in writing within 30 days from the date of receipt of the goods. No claim, for delivered or undelivered products, shall exceed the original purchase price of said product, regardless of the damage claimed.

This warranty is not valid for any product that has been tampered with, altered or misused.

Buyer's responsibility: You must examine all products upon receipt and notify us in writing within 30 days if any items are damaged or missing.

Fabtech ID's responsibility: we will repair or replace any defective part at our expense. If repair is not possible, we will refund the purchase price of the item.



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WORKPLACE
SAFER***



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