OPERATOR MANUAL

www.coldjet.com 1.800.337.9423

SPECIFICATIONS

- **Dimensions:** 21" x 25" x 43" (54 cm x 65 cm x 109 cm)
- **Air Pressure Range:** 80 psi - 250 psi (5.5 bar - 17.2 bar)
- **Block Size:** 5.75" x 5.75" x 10" (14.6 cm x 14.6 cm x 25.4 cm)
- **Block Weight:** (approx) 14.25 lbs (6.5 kg)
- **Required Air Pressure:** 80 psi (5.5 bar)
- **Nominal Output Volume** 285 lbs/hr (130 kg/hr)
- **Block Density:** .04 lb/ in^3 (1.2g/$cm^{3)}$
- **Nominal Output:** 20 blocks/hr
- **Weight:** 215 lbs (97.5 kg)

- **A** Air Pressure Gauge
- **B** Compression Position
- **C** Off Position
- **D** Eject Position
- **E** Compression Indicator
- **F** Stop Button
- **G** Air Supply Hookup
- **H** Lid
- **I** Latch
- **J** Latch Mechanism

SAFETY PRECAUTIONS

1. **BEFORE** connecting air supply, make sure activation switch is in **OFF** position (C).

2. **ALWAYS** wear gloves and safety glasses when handling dry ice or using the machine.

3. **ALWAYS** ensure lid (H) is properly latched (I) before activating compression. **NEVER** activate compression with lid open or unlatched and **NEVER** attempt to open lid while compression is underway (Indicators (E) are red).

4. If gauge (A) reads over 90 psi (6.2 bar) stop use and call Cold Jet for assistance (normal operating pressure: 80 psi (5.5 bar).)
(The gage reads the pressure of the regulator not the compression mechanism.)

5. **NEVER** remove the machine skin or rear panel without first contacting a certified Cold Jet technician.


Wear safety gloves


Maintain safe pressure


Read operator manual


No foreign objects

CO_2 only


Extreme cold


Hand crush from side

CUSTOMER SERVICE

Contact our 24/7 Customer Support HOTLINE:
United States/Canada: +1.800.777.9101
Europe: +32 (0) 13 53 94 47, Office Hours: GMT +1.00
All other locations: +1-513.576.8981

Email:
Europe: service.eu@coldjet.com
United States/Canada/All other locations: service@coldjet.com

SET-UP AND OPERATION

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1 Ensure that activation switch is in the OFF position C and Stop Button F is released.

2 Connect air supply hose and open air supply G.
(The gauge A should read 80 psi/5.5 bar)

3 Open lid H and fill chamber with dry ice.
(Spread dry ice evenly throughout the chamber for a more uniform block.)

4 Close and latch I the lid H.
MAKE SURE LID IS PROPERLY LATCHED

(Note: you may need to sweep the excess ice from under the lid's hinges to be able to easily close the lid.)

5 Turn the activation switch to the left B to start compression. (Indicators E will turn red when compression is underway.)

(There is a mechanism J in place to prevent the lid H from being unlatched during compression.)

6 When compression is complete the pressure will relieve automatically and the indicators E will turn black.

7 Unlatch and open the lid. Turn activation switch to the right D to eject block.

8 Remove block.

9 Return switch to OFF position C.
(This will lower the chamber plate in preparation for refill.)

SET-UP AND OPERATION

Incoming pressure should be 80 – 250 psi (5.5 – 17.2 bar). The air actuator requires about 22.5 scfm (0.63 m^3/min) of compressed air at 80 psi (5.5 bar) to fill completely; After the initial filling there is little flow, just pressure. We recommend a compressor with a 7-10 gallon (30.8 – 44 liter) tank to accommodate the rapid filling surge.

TROUBLESHOOTING

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PROBLEM	QUESTION	ANSWER	ACTION
Latch will not close	Is there ice in the way of closing the lid?	YES	Clear ice from top of chamber (fill should be level with top of chamber)
			Remove excess ice (fill should be level with top of chamber)
Latch will not open	Are the indicators black?	NO	Compression is still underway - wait until end of compression cycle
	Is the latch mechanism up?	YES	
Compression will not stop	Is the compression cycle exceeding its normal duration?	YES	Push the Stop Button, disconnect the air supply, call Cold Jet
Compression will not start	Is the Stop Button engaged?	YES	Release the Stop Button
	Does the gauge read 80 psi (5.5 bar)?	NO	Check and properly connect the air supply, call Cold Jet
		YES	Push the Stop Button, disconnect the air supply, call Cold Jet

TROUBLESHOOTING

Cold Jet

PROBLEM	QUESTION	ANSWER	ACTION
Block will not eject	Did you turn the switch to eject?	NO	Turn the switch to eject
	Is the Stop Button engaged?	YES	Release the quick stop button
	Does the gauge read 80 psi (5.5 bar)?	NO	Check and properly connect the air supply, call Cold Jet
	Have you waited long enough for the block to eject?	YES	Push the Stop Button, disconnect the air supply, call Cold Jet
Plate will not lower after eject	Did you turn the switch to compress and then immediately back to eject? Did it work?	NO	Hit the quick stop button, disconnect the air supply, call Cold Jet
Block is too large for my use			Put less ice in chamber (amount varies with type of ice used)
Machine is making loud, creaking noises			Part of normal operation

Global Headquarters
Loveland, OH USA
+1 513.831.3211
+1 800.337.9423

European Headquarters
Zolder, Belgium
+32 (0)13 53 95 47

Germany
Weinsheim, Germany
+49 (0)6551 96060

Canada
Ontario, Canada
+1 800.337.9423 x501

Latin America
Monterrey, NL Mexico
+52 (81)1478.1267

www.coldjet.com