

DP-30KSH DRY ICE BLASTER OPERATING MANUAL



DIP DRY ICE PRODUCTION CO., LTD

ALWAYS READ THESE INSTRUCTIONS BEFORE USE.

IMPORTANT

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ONLY OPERATE THE EQUIPMENT AS DESCRIBED.

**NEVER FOOL AROUND WITH THIS EQUIPMENT AND
NEVER POINT THE BLAST NOZZLE AT YOURSELF OR
OTHERS.**

CAUTION

**ALWAYS KEEP THE HOPPER LID CLOSED TO AVOID
MATTERS DROP OFF INTO THE HOPPER.**

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PART 1 Essential Information

DP-30KSH Dry Ice Blaster

Applicable to enterprises and institutions in general cleaning requirements



Specifications

功率 / Power	450W
电源 / Power Supply	AC 220V 10A
规格 / Dimension	860mm x 610mm x 800mm
重量 / Weight	120kg
标准供气压力 / Standard Air Pressure	0.3-1Mpa
标准供气流量 / Standard Air Flow Rate	≥ 2m ³ /min
干冰流量 / Dry Ice Flow Rate	0-3kg/min (可调/Adjusted)
干冰规格 / Dry Ice Dimension	Φ3mm

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PART 2 Safety Issues

The major hazards presented by the use of this equipment arise from:

The use of compressed air potentially causing dangerous flying objects, debris re-circulation and inhalation and noise either through planned or unplanned release.

The use of dry ice (solid carbon dioxide), a substance of extreme cold capable of causing burns and death by asphyxiation.

Other hazards arising from the application of the equipment to specific cleaning tasks where each task needs special consideration.

WARNING:

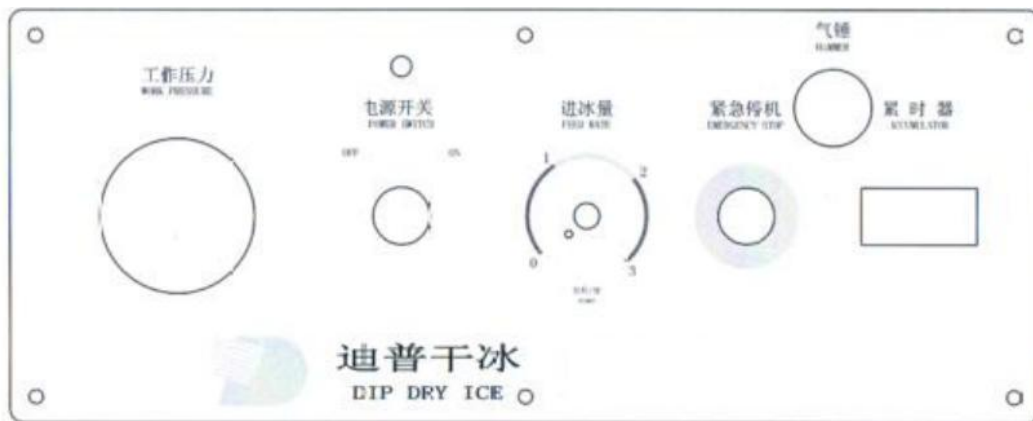
1. Before servicing, turn off and lockout main power disconnect and all circuits powered by an external source.
2. Do not modify circuits.
3. Earth ground machine before turn on power.
4. Additional guards, ventilation system, and other safety equipment must be required.
5. Never expose unprotected skin to direct contact with dry ice pellets.
6. Never point nozzle to anyone.
7. Never operate this unit with damaged hose or fittings.
8. Never operate this unit unless all operating instructions are understood and all guards, interlocks, covers, safety devices or circuits and protective components are in place and functioning properly.

CAUTION:

**FAILURE TO FOLLOW THESE INSTRUCTION MAY
RESULT IN SERIOUS PERSONAL INJURY**

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PART 3 Control Panel



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PART 4 Blasting Operations

SET-UP

1. Connect gun with nozzle to blast hose and control cable.
2. Always connect the static strap to the item being cleaned.
3. Check the hopper is clear of debris and water.
4. Connect power cable.

OPERATION

1. Ear and Eye protection must be worn.
2. Turn on compressed air source and electrical disconnect switch
3. Press START button with air only for 1min to clear water.
4. Press emergency stop button. Fill hopper with pellets.
5. Reset emergency stop button. Press start button.
6. Adjust feed rate while blasting.

OPERATING INSTRUCTIONS SHUT-DOWN

1. Increase feed rate to purge. Empty pellets from hopper by blasting.
2. Turn off electrical disconnect switch.
3. Turn off compressed air source. Open air bleed valve.
4. Close hopper lid.

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Part 5 Maintenance

BLAST UNIT

Although the blast unit has been designed for minimum maintenance, Clean Surface recommends the following service schedule be carried out on a regular basis to ensure trouble free operation.

	Daily Check
1	Pressure gauge
2	Bottom wheel lock
	Monthly Check
1	Viabrator
2	Hammer
3	The screws of whole blast unit
	Yearly Check (Manufacture onsite maintenance recommend)
1	Dry ice supplier
2	Air passage
3	Electric circuit
4	Safety Test
	Values of whole blast unit

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HOSES

Whenever the Blaster is used the Air Supply Hose and Blast Hose Assembly should be examined for damage and wear before start-up.

THE SYSTEM MUST NOT BE STARTED IF ANY HOSES ARE DEFECT.

The most critical elements are the hoses which carry compressed air. If there is any doubt that these might be damaged or worn they must be immediately replaced.

WORN COMPRESSED AIR HOSES ARE DANGEROUS AND MUST NEVER BE USED.

The dry ice hose works under suction and therefore if this is damaged or worn no danger will result but air will be drawn into the system and cleaning efficiency lost. At each service interval the dry ice hose should be checked for damage. The trigger control pipes are self checking. Any break in this pipe prior to operation of the Blaster will result in an inactive Blast Nozzle trigger and the system will fail to operate. Any break in the pipes during blasting will result in an immediate shutdown of the system. It is good practice to replace the trigger pipe ends if they appear untidy or worn.

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BLAST NOZZLE

Remove the Blast Nozzle from the Hose Assembly and clean as appropriate. Check the compressed air and dry ice inlets for any signs of wear and ensure that the removable outlet nozzle is free of any obstruction. On refitting the outlet nozzle ensure that it is fully screwed in and tight enough not to come loose in service. Take care not to damage any of the internal bores.

GENERAL

The most effective way to clean the Blaster is to use the system on itself. Neither the control panel and the Hose Assembly nor the instrumentation will be damaged. Do not come loose in service. Take care not to damage any of the internal bores.

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