

## AIRBLAST CLIMATE CONTROL TUBE

### IMPORTANT WARNING FOR SAFER BLAST CLEANING

1. Use protective equipment: Abrasive-resistant clothing, safety shoes, leather gloves, ear protection, CE-approved air-fed helmet. Air for helmet must be supplied by a breathing air compressor or through a helmet air filter.
2. Check for possible silicosis hazards. Avoid dust.
3. Do not blast with damaged or worn equipment.
4. Point nozzle only at area being cleaned.
5. Use only proper dry and well-screened abrasives specifically intended for blasting.
6. Keep unprotected workers out of the blast area.
7. Before blasting:
  - Check fittings and hose for wear.
  - Safety-wire couplings together.
  - Check helmet filters and air supply.
  - Check pop-up valve for alignment.
  - Test remote controls.
  - Make sure blast machine is adequately grounded.
8. Do not weld on blast machine, this voids approval.
9. Do not substitute Airblast parts or modified equipment in any way.



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## INTRODUCTION.

The Airblast Climate Control Tube is approved to supply a continuous flow of cool or warm compressed air to your blast helmet. Genuine Airblast blast helmets and spares must be present and correctly assembled.

## AIR QUALITY

The respirator must be supplied at all times with clean breathable air Grade D or better. Always use an inlet filter on your compressor - locate your compressor in a clean environment. The air quality must be constantly monitored to ensure Grade D air is supplied at all times. A carbon monoxide alarm must always be used.

**!WARNING!** Do not connect the air supply hose to nitrogen, toxic gases, inert gases or any other non Grade D air source. Use your Airblast helmet air filter, etc.

## AIR PRESSURE

The air pressure supplied to the respirator must be continuously monitored to ensure it keeps within the specified range as detailed on the cold air breathing air pressure tables.

**!WARNING!** Make sure the correct table is used. When using the Airblast CCT for COLD AIR use (Fig 3). For HOT AIR use (FIG 7).

## !WARNINGS!

- DO NOT use the Airblast CCT until you have been trained in its use, maintenance and limitations by a qualified individual (appointed by your employer) who has the extensive knowledge of the Airblast CCT.
- DO NOT ingest the ice that may form around the cold air outlet as it could contain oils or toxic elements that could cause illness or death
- DO NOT modify or alter parts of the respirator. The use of non approved parts voids the entire approval of the respirator

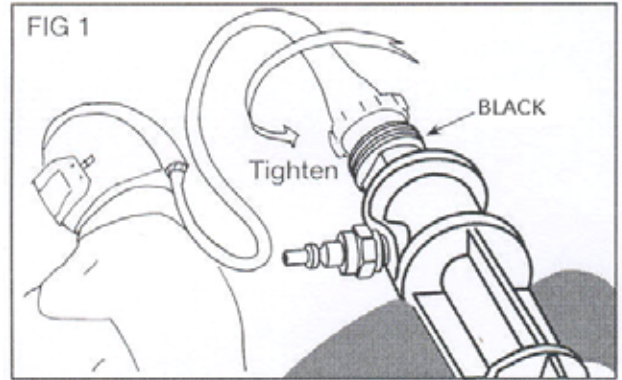
## GENERAL SET-UP INSTRUCTIONS

1. For Airblast Astro or Nova Blasthelmet:
  - a. Unscrew and store the standard supplied airflow regulator including the belt
  - b. Follow further instructions depending on you choice for HOT or COLD air
2. For the Airblast Extreme Protecta or Airblast Panorama blasthelmet (adaptor required)
  - a. Loosen the clamp with which the standard supplied airflow regulator is tightened to the transparent piece of the airtube
  - b. Take off the standard supplied airflow regulator including the belt
  - c. Unscrew the bronze silencer from the standard supplied airflow regulator and screw it into the black end of the adaptor

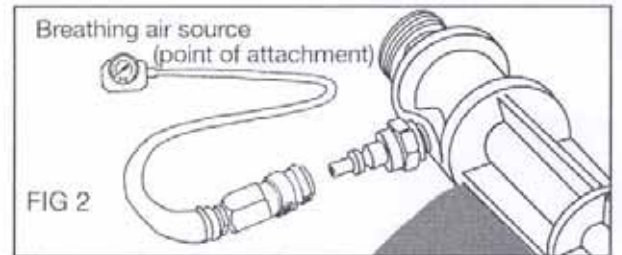
- d. Push the black end of the adaptor, including bronze silencer, into the transparent piece of the airtube and tighten it with the hose clamp
- e. Store the standard supplied airflow regulator (including belt, excluding bronze silencer and hose clamp)
- f. Follow further instructions depending on you choice for HOT or COLD air

**COLD AIR SET UP AND USE**

- 1. To supply cold air to the respirator connect the cold outlet (black) to the breathing tube of the helmet and tighten by hand.
- 2. Connect the air supply hose to a breathing air source, supplying Grade D or better quality air. Connect the air supply hose to the Airblast CCT quick disconnect plug.



- 3. With air flowing trough the respirator, adjust the air pressure at the point of attachment to the recommended air pressure specified in the COLD AIR, BREATHING AIR PRESSURE TABLE.



**!WARNING!** Make sure you understand the breathing air pressure table before using the respirator. Make sure you set the correct air pressure for the correct supply hose length.

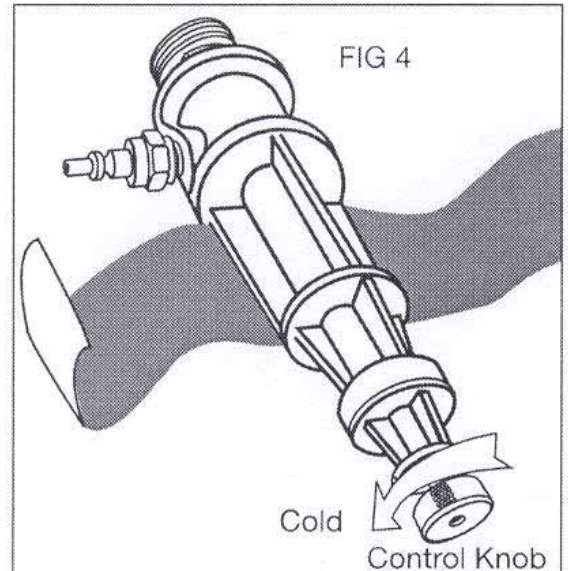
**FIG 3**

COLD AIR	BREATHING AIR PRESSURE TABLE				
	Breathing tube assembly	Air supply hose	Air supply hose length (mtr.)	Max number of sections	Pressure range (bar)
Portable or stationary compressor	Airblast CCT	2527000	7,5	1	3.7
			15	1	3.9
			30	2	4.2
			45	3	4.4
			60	4	4.8
			75	5	5.2
			90	6	5.4

- 4. To obtain cooler air turn the regulator control knob anti clockwise, this will increase the airflow out of the exhaust port (Fig 4). Turn the knob clockwise to obtain air closer to ambient temperature.
- !WARNING!** DO NOT USE THE Airblast CCT when ambient temperature is below 20° C (68° F) as ice could form in the cold air outlet and reduce airflow.

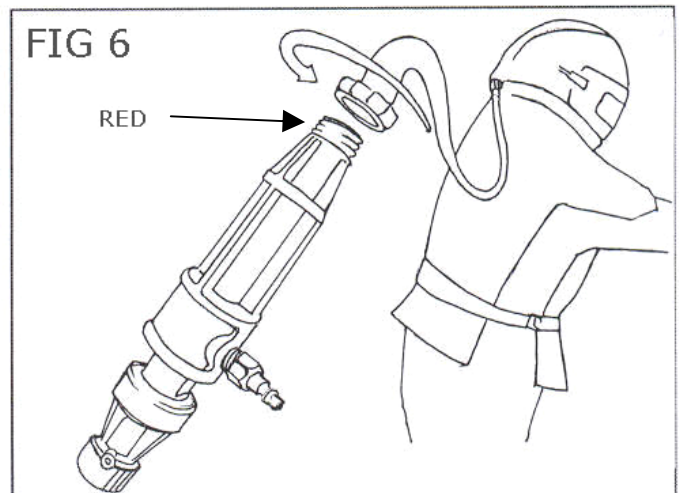
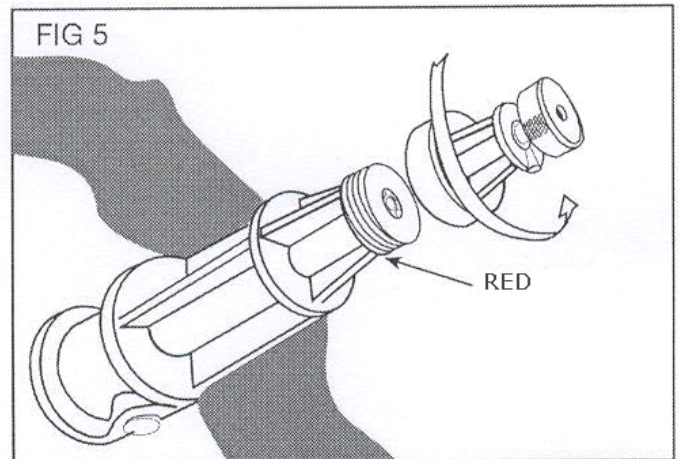
5. With the compressed air flowing into the respirator at the correct pressure range for the correct supply hose length you are now ready to enter the working area. Do not remove your helmet until you are outside the blasting area.

**!WARNING!** Leave work area immediately if you are unwell, airflow stops or slows down, breathing becomes difficult, you become dizzy, too cold or if any respirator part is damaged.



### HOT AIR SET UP AND USE

1. To supply warm air to the respirator remove the regulator from the hot end thread (Fig 5).
2. Connect the hot outlet thread (RED) to the breathing tube and tighten by hand (Fig 6). Connect the regulator to the cold outlet.
3. Connect the NIOSH approved air supply hose to a breathing air source which supplies Grade D or better quality air. Connect the air supply hose to the Airblast CCT quick disconnect tail. (Fig 2)
4. With air flowing through the respirator, adjust the air pressure at the point of attachment to the recommended pressure specified in the HOT AIR, BREATHING AIR PRESSURE TABLE (Fig 7). Ensure you set the correct pressure for the correct supply hose length.



**!WARNING!** Make sure you understand the breathing air pressure table before using the respirator.

Make sure you set the correct air pressure for the correct supply hose length.

**FIG 7**

<b>HOT AIR</b>		<b>BREATHING AIR PRESSURE TABLE</b>			
Air source	Breathing tube assembly	Air supply hose	Air supply hose length (mtr.)	Max number of sections	Pressure range (bar)
Portable or stationary compressor	Airblast CCT	2527000	7,5	1	3
			15	1	3.2
			30	2	3.4
			45	3	3.7
			60	4	3.9
			75	5	4.1
			90	6	4.4

5. With the compressed air flowing into the respirator at the correct pressure range for the correct supply hose length you are now ready to enter the work area. Do not remove your helmet until you are outside the blasting area. **!WARNING!** Leave work area immediately if you are unwell, airflow stops or slows down, breathing becomes difficult, you become dizzy, too hot or if any respirator part is damaged.

**!WARNING!**

Due to the high noise levels created during abrasive blasting earplugs must be worn at all times.

DO NOT use abrasives containing silica, lead arsenic or sharp glass particles, the use of abrasives containing these elements could result in serious injury or death.



**NOTES:**

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