Climate-Control Devices For Bullard Airline Respirators

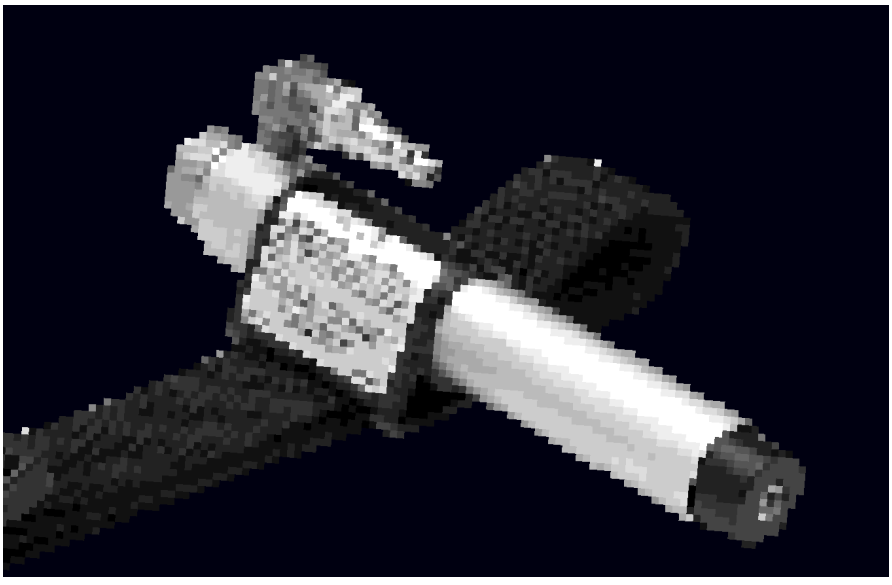
Bullard Climate-Control Devices Help Increase Worker Comfort and Productivity

E.D. Bullard Company offers six belt-mounted, climate-control devices for use with Bullard airline respirators. Each system enables a worker to adjust and control the temperature of air delivered to the respirator.

On extremely hot summer days, air exiting a typical breathing air compressor can exceed 300°F (150°C). Air exiting a Bullard Free-Air® pump can exceed 200°F (100°C). Even with properly installed aftercoolers and in-line filters, the air entering a respirator could exceed ambient temperatures. If workers breathe excessively warm air for prolonged periods of time, they may experience discomfort, fatigue and possibly dehydration. During winter months, excessively cold air can have similar effects. Eventually all of these conditions may reduce worker productivity.

Bullard's optional climate-control devices help correct these uncomfortable working conditions for wearers of Bullard airline respirators.

- ***AC1000*** cools incoming air from a compressed breathing air source.
- ***HC2400*** cools or warms incoming air from a compressed breathing air source.
- ***Frigitron® 2000*** cools incoming air from low pressure air sources such as ambient air pumps, including Bullard's Free-Air® pumps (EDP 30 and ADP20).
- ***Dual-Cool™*** cools incoming air from a compressed breathing air source. Cools both the breathing air and the optional cooling vest.
- ***ACL99*** cools incoming air from a compressed breathing air source (for use only with the Lancer™).



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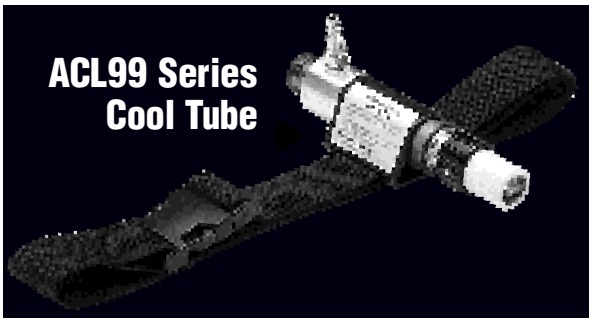
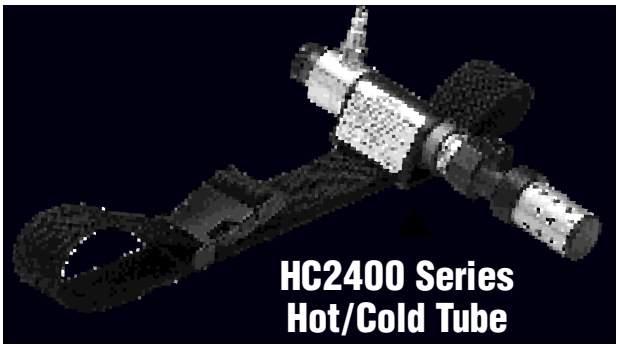
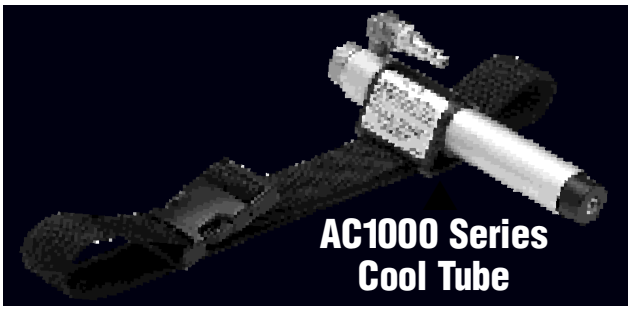






AC1000 Series Cool Tubes

Bullard's AC1000 Series cools incoming air from compressed breathing air sources by as much as 30°F (17°C). It helps maintain worker comfort and maximize productivity while working in extremely hot and humid environments.

The AC1000 Series features an adjustable airflow control valve that allows the user to adjust the incoming air temperature to a level best suited to individual comfort.

AC1000 Series Cool Tubes are NIOSH approved for use with Bullard's 88, 77, CC20, GR50, MB30 or 1090 Series airline respirators.

See the respirator's instruction manual for approved model numbers, air pressure ranges and air supply hose lengths.

AC1000DC Series Cool Tubes

When an application does not require an airline respirator, but does require torso cooling, Bullard's DC70 Series cooling vest can be used with the AC1000 climate control device. The AC1000 cools air by as much as 30°F (17°C), providing cooling to a worker's upper body.

ACL99 Series Cool Tubes

Designed specifically for the Lancer™ airline respirator system, the ACL99 cools incoming air from a compressed breathing air source by as much as 30°F (17°C).

The ACL99 is NIOSH approved for use with Bullard's Lancer airline respirator.

See the respirator's instruction manual for approved model numbers, air pressure ranges and air supply hose lengths.

HC2400 Series Hot/Cold Tubes

The HC2400 cools or warms incoming air from compressed breathing air sources. It is ideally suited for early spring or late fall when the air needs warming in the morning and cooling in the afternoon.

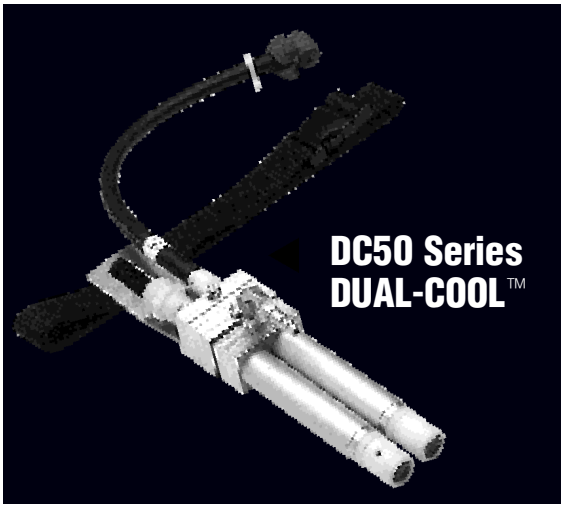
When used in the cool mode, the Hot/Cold Tube decreases the incoming air temperature by as much as 30°F (17°C). When warm air is desired, the incoming air temperature may be increased by up to 30°F (17°C).

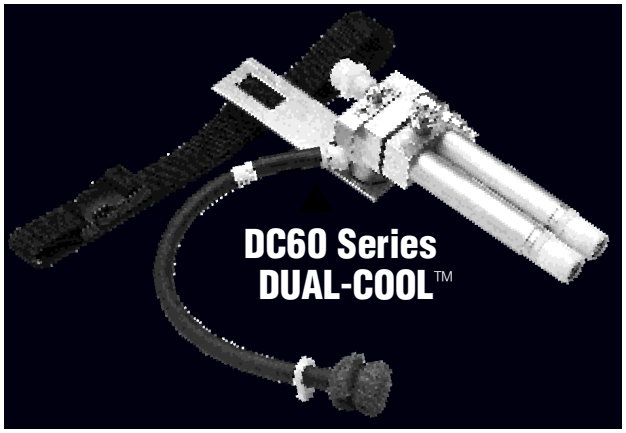
The HC2400 Series features an adjustable airflow control valve that allows users to regulate the temperature of incoming air to a comfortable level.

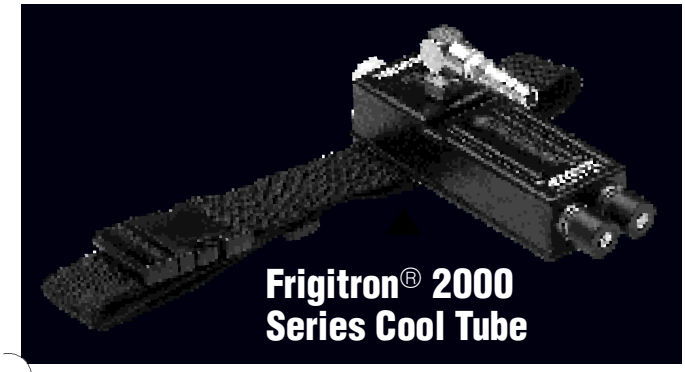
It is simple to convert the HC2400 from cool air to warm air or warm to cool. It takes the worker just seconds to convert from one mode to the other and then resume work activity.

HC2400 Series Tubes are NIOSH approved for use with Bullard's 88, CC20, GR50 or MB30 Series airline respirators.

See the respirator's instruction manual for approved model numbers, air pressure ranges and air supply hose lengths.







COOLING VEST
For use with AC1000DC Series, DC50 Series and DC60 Series climate control devices.
(must be purchased separately)

Frigitron® 2000 Series Cool Tubes

Designed for use with Bullard's ADP20 and EDP30 ambient-air pumps, the Frigitron 2000 cools air by as much as 20°F (11°C). It helps maintain worker comfort and maximize productivity while working in hot, humid environments.

The Frigitron 2000 features two adjustable airflow control valves that allow the user to adjust the incoming air to a temperature best suited to individual comfort.

Frigitron 2000 Series Cool Tubes are NIOSH approved for use with Bullard's 88, CC20, GR50 or MB30 Series airline respirators.

See the respirator's instruction manual for approved model numbers, air pressure ranges and air supply hose lengths.

DC50 Series DUAL-COOL™

The DC50 Series provides superior cooling to Bullard respirators, while also sending cool air to the vest for upper torso cooling. The DUAL-COOL will cool incoming air from compressed breathing sources by as much as 30°F (17°C). Separate control knobs allow the worker to adjust the temperature of air to each zone.

A complete system includes the DUAL-COOL tube, DC70 Series cooling vest and breathing tube (each component must be purchased separately).

DC50 Series DUAL-COOL systems are NIOSH approved for use with Bullard's 88, CC20, GR50 or MB30 Series airline respirators.

See the respirator's instruction manual for approved model numbers, air pressure ranges and air supply hose lengths.

WARNING: Use of the DUAL-COOL system requires a breathing air compressor with a capacity to supply a minimum of 30 cfm (850 lpm) of air.

DC60 Series DUAL-COOL™

Specially engineered for use with the PC90 Series airline containment respirator, the DC60 DUAL-COOL cools air by as much as 30°F (17°C) . This air-supplied system combines a breathing tube, DUAL-COOL tube, cooling vest and one breathing air-supply hose to cool workers and maximize productivity.

The DC60 Series features separate air entries to deliver air to the vest and to the breathing zone. Separate control knobs allow the worker to adjust the temperature of air to each air entry.

DC60 Series DUAL-COOL devices are NIOSH approved for use with Bullard's PC90 Series airline respirators.

See the respirator's instruction manual for approved model numbers, air pressure ranges and air supply hose lengths.

WARNING: Use of the DUAL-COOL system requires a breathing air compressor with a capacity to supply a minimum of 30 cfm (850 lpm) of air.

Ordering Information

Climate Control Devices include a climate control tube and belt unless specified.

Catalog Number	Quick-Disconnect Fitting*	Approved Bullard Respirator(s)
AC1000 Series Cool Tubes		
AC1000	1/4" Ind. Interchange (Steel)	88, 77/46, CC20, GR50 and MB30 Series
AC100031	1/4" Schrader	
AC100032	1/4" Snap-Tite (Steel)	
HC2400 Series Hot/Cold Tubes		
HC2400	1/4" Ind. Interchange (Steel)	88, CC20, GR50 and MB30 Series
HC240031	1/4" Schrader	
HC240032	1/4" Snap-Tite (Steel)	
Frigitron® 2000 Series Cool Tubes		
Frigitron 2000	1/2" Ind. Interchange	88, CC20, GR50 and MB30 Series
DC50 Series DUAL-COOL™ Tubes		
Includes CH60 connector hose and belt. Breathing tube and vest must be ordered separately.		
DC5040	1/4" Ind. Interchange (Steel)	88, CC20, GR50 and MB30 Series
DC60 Series DUAL-COOL Tubes		
Includes CH60 connector hose and belt. Breathing tube and vest must be ordered separately.		
DC6040	1/4" Ind. Interchange (Steel)	PC90 Series
DC6041	1/4" Schrader (Steel)	
DC6042	1/4" Snap-Tite (Steel)	
DC6043	1/4" Snap-Tite (Brass)	

Catalog Number	Description	Approved Bullard Respirator(s)
DC65 Series DUAL-COOL Vests		
DC65ML	Cooling vest, Medium/Large	PC90 Series
DC65XL/XXL	Cooling vest, X-Large/XX-Large	
DC70 Series DUAL-COOL Vests		
DC70ML	Cooling vest, Medium/Large	88, CC20, GR50 and MB30 Series
DC70XL/XXL	Cooling vest, X-Large/XX-Large	
ACL99 Cool Tube		
ACL99	1/4" Ind. Interchange (Steel)	Lancer™
AC1000DC		
AC1000DC	Cool tube assembly with 1/4" Ind. Interchange. Includes CH1000 connector hose and belt.	

*Alternate fitting styles and materials are also available. Contact Bullard Customer Service for more information.

		Climate Control Devices					
		AC1000	HC2400	Frigitron	DC60	DC50	ACL99
Bullard Respirator	MB30	●	●	●		●	
	CC20	●	●	●		●	
	GR50	●	●	●		●	
	88	●	●	●		●	
	77	●					
	1090	●					
	PC90				●		
	Lancer™						●
Airflow Control	Adjustable	●	●	●	●	●	
Air Source	Breathing Air Compressor	●	●		●	●	●
	Ambient Air Pump			●			

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E.D. Bullard Company products are manufactured to exacting specifications. Any alteration or modification of these products by the user may adversely affect product performance and void NIOSH approval of the entire respirator assembly. This brochure is in summary form only for easy reference. Refer to labels, instructions, and other literature accompanying the product for more complete details regarding product use, maintenance, warnings, performance capabilities, complete specifications, instructions, and precautions.

⚠ WARNING ⚠

Only climate-control devices manufactured by E.D. Bullard Company are NIOSH approved for use with Bullard respirators. Substituting other non-approved climate-control devices will void NIOSH approval of the entire respirator and may expose the user to life threatening conditions, diseases or death.

Bullard is an ISO 9001-certified company.

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