

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.





**AC1000 Series
Cool Tube**



**HC2400 Series Hot/
Cold Tube**

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, RT 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.

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, RT or MB30 Series airline respirators.

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

Climate Control Devices for Bullard Airline Respirators

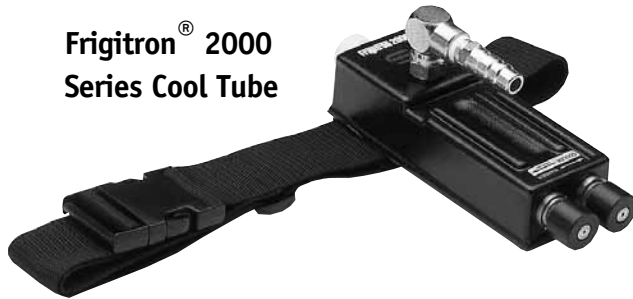


**DC50 Series
DUAL-COOL™**



**DC60 Series
DUAL-COOL™**

**Frigitron® 2000
Series Cool Tube**



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.

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.



Ordering Information

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

Catalog Number	Quick-Disconnect Fitting*	Approved Bullard Respirator(s)	Catalog Number	Quick-Disconnect Fitting*	Approved Bullard Respirator(s)
AC1000 Series Cool Tubes					
AC1000	1/4" Ind. Interchange (Steel)	88, 77/46, CC20, GR50, RT and MB30 Series	DC65 Series DUAL-COOL Vests		PC90 Series
AC100031	1/4" Schrader		DC65ML	Cooling vest, Medium/Large	
AC100032	1/4" Snap-Tite (Steel)		DC65XL/XXL	Cooling vest, X-Large/XX-Large	
HC2400 Series Hot/Cold Tubes					
HC2400	1/4" Ind. Interchange (Steel)	88, CC20, GR50, RT and MB30 Series	DC70 Series DUAL-COOL Vests		88, CC20, GR50 and MB30 Series
HC240031	1/4" Schrader		DC70ML	Cooling vest, Medium/Large	
HC240032	1/4" Snap-Tite (Steel)		DC70XL/XXL	Cooling vest, X-Large/XX-Large	
Frigitron® 2000 Series Cool Tubes					
Frigitron 2000	1/2" Ind. Interchange	88, CC20, GR50 and MB30 Series	AC1000DC		
			AC1000DC	Cool tube assembly with 1/4" Ind. Interchange. Includes CH1000 connector hose and belt.	
DC50 Series DUAL-COOL™ Tubes					
Includes CH60 connector hose and belt. Breathing tube and vest must be ordered separately.		88, CC20, GR50 and MB30 Series			
DC5040	1/4" Ind. Interchange (Steel)				
DC60 Series DUAL-COOL Tubes					
Includes CH60 connector hose and belt. Breathing tube and vest must be ordered separately.		PC90 Series	*Alternate fitting styles and materials are also available. Contact Bullard Customer Service for more information.		
DC6040	1/4" Ind. Interchange (Steel)				
DC6041	1/4" Schrader (Steel)				
DC6042	1/4" Snap-Tite (Steel)				
DC6043	1/4" Snap-Tite (Brass)				

		Climate Control Devices				
		AC1000	HC2400	Frigitron	DC60	DC50
Bullard Respirator	MB30	•	•	•		•
	CC20	•	•	•		•
	GR50	•	•	•		•
	88	•	•	•		•
	77	•				
	1090	•				
	PC90				•	
	Lancer™					
	RT	•	•			
Airflow Control	Adjustable	•	•	•	•	•
Air Source	Breathing Air Compressor	•	•		•	•
	Bullard Free-Air Pump (EDP30 or ADP20)			•		

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