



# TECHNICAL DATA SHEET

Note: For safe, efficient blasting, read and follow the owner's manual and seek training for everyone who will use this equipment.

# **Purpose**

The Clemco Climate Control Tube (CCT) allows the blast operator to cool or warm the incoming compressed air to a Clemco high-pressure Type CE continuous flow supplied-air respirator.

# **Requirements for Operation**

20 cfm at 90 to 100 psi of Grade D quality breathing air as defined by the Compressed Gas Association Commodity Specification: G-7.1 (www.cganet.com)

Pressure requirements vary with hose length.

> 25 ft - 75 ft 90 psi 100 ft - 125 ft 95 psi 150 - 200 ft 100 psi

NOTE: Do not exceed 200 ft of respirator hose with this device.

### **Description of Operation**

The Climate Control Tube is placed between the breathing tube and the respirator hose. A lever on the valve lets the operator adjust the temperature of the air entering the respirator by as much as 35° F warmer or cooler than ambient air.

The Climate Control Tube cannot be closed completely, so the operator always has at least the minimum required volume of air for breathing and to maintain positive pressure inside the helmet.

The Climate Control Tube comes with a belt that adjusts to fit up to a 54-inch waist. The durable buckle can be fastened and unfastened with gloved hands.

A heat shield protects the operator from warm exhaust air (a byproduct of the production of cool air).

**Description**Belt-mounted, adjustable valve cools or warms breathing air. For use with Clemco respirator models Apollo 20, 60, and 600 HP. Allows operator to adjust flow and temperature of incoming air.

# **Climate Control Tube (CCT)**

Stock No. 04411



#### Advantages

- Helps increase productivity by keeping blast operator cool in hot weather and warm in cold weather
- Durable construction
- Lightweight comfort system maintains NIOSH approval

# Certifications and Approvals

The Climate Control Tube is approved by NIOSH for use only with Clemco Apollo HP high-pressure Type CE supplied-air respirators (not for use with low-pressure respirators).

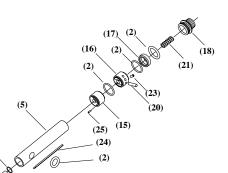
The Climate Control Tube is one component of a NIOSH-approved system; use of counterfeit parts voids the NIOSH approval.

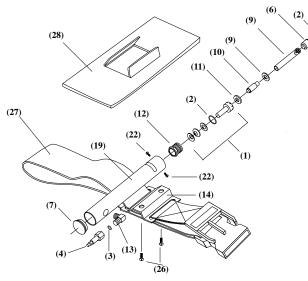
To maintain NIOSH approval, use only genuine Clemco Apollo replacement parts.



# **Related Clemco Literature**

Description	Stock No.
Contractor Series Catalog	21385
Abrasive Blasting Safety Practices	22090
Blast Off 2	09294
Operator Safety Equipment Product Study	07764
Climate Control Tube Owner's Manual	





# Options and Accessories Description

Carbon monoxide alarm	, CMS-2 (multi-use	r)22894
	CMS-3 (in helmet	mount) 24612

Heavy-duty blast suit (leather front, cotton back)

	S	M	L	XL	2XL	3XL
0	8920	08921	08922	08923	24201	24202
Light-v	weight	seasonal	blast suit	(nylon f	ront, cott	on back)

 S
 M
 L
 XL
 2XL
 3XL
 4XL

 22913
 22914
 22915
 22916
 22917
 25022
 24689

# Packaging - Ships in individual box

Dimensions	Shipping	Unit
Height:	$10^{1}/_{2}$ "	
Width (dia.):	43/4"	
Depth:	23/4"	
Weight:	2 lb	1.53 lb

# Color

Red body with black shield

Kep	iacen	lent	Pa	rts
<b>T</b> .	-	• .		

Item	Description	Stock No.
(-)	Climate Control Tube, complete	04411
1.	Cool-end venturi assembly	08846
2.	Seal kit (includes all o-rings and seal)	08845
3.	Screen kit	08983
4.	Quick disconnect	08449
5.	Body	08825
6.	Orifice, hot-end	08826
7.	Plug	08827
8.	Vortex tube assembly	23030
9.	Spacer 1, thin	08966
10.	Venturi	08967
11.	Spacer 2, thick	08968
12.	Threaded retainer	08829
13.	Elbow, 1/4" male	08869
14.	Belt clip	08974
15.	Lower valve plate	08830
16.	Upper valve plate	08831
17.	Support washer	08832
18.	Outlet fitting	08833
19.	Body housing	08834
20.	Control lever	08835
21.	Spring	08844
22.	Machine screw, $6-32 \times \frac{1}{4}$ pan head	03870
23.	Set screw, 1/4" NC x 1/2" cup point	03072
24.	Spacer	
25.	Pin, valve plate	08838
26.	Machine screw, $10-24 \times \frac{1}{2}$ " round head	03886
27.	Belt	04430
28.	Heat shield	08981
NOT	E 10' 1 10 1 1 d	*11 *

NOTE: If items 1 and 2 are ordered together, you will receive an extra cool-end venturi o-ring  $\underline{\ }$ 

Authorized	Distributor:

ISO 9001:2008 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

Stock No.

© 2013 Clemco Industries Corp. • One Cable Car Drive • Washington, MO 63090 • Phone (636) 239-4300 • Fax (800) 726-7559 Stock No. 21966 info@clemcoindustries.com • www.clemcoindustries.com 1295 Rev. D: 06/13