PRODUCT SPECIFICATION		
MSA	Escape Respirators	
Mine Safety Appliances Co. PO Box 426 Pittsburgh, PA 15230		MSA Part #
	TransAire <sup>™</sup> 5	10008292
	TransAire <sup>™</sup> 10	10008293

# **1 DESCRIPTION**

The TransAire 5/10 Emergency Escape Respirators from MSA are self-contained devices for use by personnel who may need to escape from atmospheres that are made immediately dangerous to life and health (IDLH) by high concentrations of toxic gases or vapors, or by oxygen deficiency. The devices meet or exceed the relevant requirements as outlined in the NIOSH regulation 42 CFR Part 84, Subpart H.

The lightweight units can either be carried by the worker or mounted on a nearby wall. In the event of a spill or release of toxic material, the worker can quickly retract the protective cover, turn on the air cylinder valve, remove and don the hood, and leave the hazardous area.

During operation, the TransAire 5 and 10 Respirators supply a continuous flow of air to the hood at a rate of 40 LPM (+/-4 LPM). The TransAire 5 unit has a rated service life of 5 minutes, and the TransAire 10 unit has a rated service life of 10 minutes.

# **2** REFERENCE DATA

## **OVERALL UNIT**

## Weight (less hard case)

TransAire 5: 5 lbs. TransAire 10: 8 lbs.

## **Donning time**

The unit can be donned and flowing in under 10 seconds, after it is removed from the case or storage area.

## Duration

TransAire 5: 5 minutes TransAire 10: 10 minutes

## **INDIVIDUAL COMPONENTS**

## ■ HOOD

#### Materials

Urethane or Teflon materials available

## Options

Standard version with elastic neck seal (available in both Urethane and Teflon)

Large version with elastic drawstring, fits over hard hat (available in Urethane only)

## **Operational temperature range**

0° to 160° F

## **REGULATOR**

## Type Constant-flow regulator with no external adjustments Materials Nickel-plated brass Flow Nominal flow is 40 LPM +/- 4 LPM from service pressure to 500 psig. Operational Temperature range 0° to 160° F

## **INDIVIDUAL COMPONENTS, continued**

#### CYLINDER VALVE

#### Components

Valve/regulatorThreaded port for regulatorBurst discHand wheel for opening/closing valvePort for gaugeThreaded port for cylinder assembly<br/>w/undercut for O-ring

#### Material

Nickel-plated brass

#### Maximum working pressure

5-minute: 2216 psig breathing air (Grade D or better) 10-minute: 3000 psig breathing air (Grade D or better)

## ■ GAUGE

## Working pressure range

0 to 3000 psig

#### Materials

Main body: Aluminum Fitting: Brass Guard: Rubber

Lens: Clear polycarbonate

#### Accuracy

+/- 5% full scale at room temperature

## **Operational temperature range**

0° to 160° F

## Impact resistance

Can withstand the force of a 4-lb. weight dropped from 2 ft.

## SERVICE

Complete repair and service capabilities are located in Pittsburgh, PA.

## CYLINDER

#### Materials

6061 T6 high-strength aluminum (Yellow for 5-min, Gray for 10-min)

## Maximum service pressure

2216 psig (Yellow) 3000 psig (Gray)

#### Minimum pressurized volume

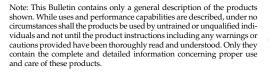
5-minute: 8 cu. ft. 10-minute: 15 cu. ft.

#### ■ CARRIER

The carrier is made of washable nylon cloth. It can be worn on the waist, neck or shoulder.

## ■ HARD WALL-MOUNTING/CARRYING CASE

The hard case stores one unit. Its lightweight construction can withstand a drop of 3 ft.on all sides and edges.





Bulletin 0116-01-MC

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