



TransAire™ 5 and TransAire 10 Escape Respirators

Bid Specifications

General Product Characteristics	
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 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.

Reference Data	
Overall Unit	Weight (less hard case) TransAire 5: 6.8 lbs. TransAire 10: 10.1 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 Standard urethane or optional Teflon materials available
	Options Standard version with elastic neck seal (available in both Urethane and Teflon)
	Operational temperature range 0° to 160° F
Regulator	Type Constant-flow regulator with no external adjustments
	Materials Nickel-plated brass
	Flow Rate Nominal flow is 40 LPM (+/- 4 LPM) from service pressure to 500 psig.
	Operational Temperature range 0° to 160° F



Cylinder Valve	Components Valve/regulator Threaded port for regulator Burst disc Hand wheel for opening/ closing valve Port for gauge Threaded port for cylinder assembly 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)
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.
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
Carrier	The carrier is made of washable nylon cloth. It can be worn on the waist, neck or shoulder.
Approvals	The devices meet or exceed the relevant requirements as outlined in the NIOSH regulation 42 CFR Part 84, Subpart H.

Service	
Service Life	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.
Service	Complete repair and service capabilities are located in Pittsburgh, PA. Call 1-800-MSA-2222 for complete details.