

FACEPIECE	
G1 FACEPIECE	<ul style="list-style-type: none"> Available in three sizes in Hycar rubber. Inhalation check valve and exhalation valve to prevent exhaled air from entering and contaminating the mask-mounted regulator. Speaking diaphragm with aluminum-coated membrane suitably protected, and located centrally to the facepiece for optimal voice projection. All replaceable parts are to be easily replaced when necessary, in the field. Open port for low breathing resistance when not on air. Optional single and twin port adapters that allow the facepiece to be with various MSA air-purifying canisters/cartridges and other respiratory applications.
NOSE CUPS	Three sizes of removable nose cups that contain a voice collector system which enhances unamplified speech transmission.
LENS	<p>Hard-coated polycarbonate.</p> <p>Field-replaceable, non-shatter type.</p> <p>Fits all three sizes of the facepiece.</p>
HEAD HARNESS	<p>Options include:</p> <ul style="list-style-type: none"> Polyester Flame and heat-resistant Kevlar assembly, featuring a four-point or five-point adjustable suspension. Rubber with four-point or five-point adjustable suspension.
OPTIONAL ACCESSORIES	<ul style="list-style-type: none"> Optional flame and heat-resistant PBI neck strap to carry the facepiece in a ready position for quick donning. Removable spectacle kit for mounting corrective lenses inside the facepiece.
CARRIER & HARNESS	
BACKPLATE	<ul style="list-style-type: none"> Constructed of a glass reinforced composite material that conforms to the user's back. Equipped with large side handles for pulling and dragging a downed worker to safety. Equipped with a centrally located attachment point for the purpose of dragging a downed worker. The attachment point shall be capable of holding a 1000 lb. load. Cylinder band made from either nylon or Kevlar and secured by an adjustable nylon buckle, allowing the band to properly retain various size cylinders. Optional adjustable, stainless steel cylinder band available for faster cylinder changeout via quick turn-latch device to properly retain various size cylinders.
HARNESS	<p>Options include:</p> <ul style="list-style-type: none"> Standard Nylon or Kevlar with nanosphere coating to reduce moisture ingress. Kevlar reflective, similar to firefighting device including metal buckles. Shoulder and lumbar pad to enhance comfort Chest strap
CYLINDERS	
CONSTRUCTION	<ul style="list-style-type: none"> Low-pressure (2216 psi) cylinders in 30-minute duration and high-pressure (4500 psi) 30-, 45-, or 60-minute durations, available with the following materials: <ul style="list-style-type: none"> All-aluminum (2216) Carbon-wrapped Threaded cylinder connection is standard; Quick-disconnect optional.
VALVE	<ul style="list-style-type: none"> A closing valve incorporating a pressure gauge to indicate the pressure in the cylinder at all times. Pressure gauge face is luminescent. Incorporates a flow control restrictor to limit the airflow over the first half-rotation of the handwheel, minimizing propulsion thrust in the event the cylinder is mishandled. Optional locking valve available.

REGULATORS	
FIRST-STAGE REGULATORS	<ul style="list-style-type: none"> Reduces the cylinder pressure down to an outlet pressure not to exceed 110 psi for low pressure (2216) version and 120 psi for the high pressure (4500) version. Regulator outlet pressure must be adjustable. Regulator body constructed of a high strength heat treated aluminum alloy, and plated with a Teflon hard coat anodize to minimize corrosion and wear of internal components. Optional Direct Connect cylinder connection <ul style="list-style-type: none"> Pressure reducer attached directly to the backplate. Optional Remote Connect cylinder connection (G1 iRC) <ul style="list-style-type: none"> Remote connect cylinders compatible with all current MSA breathing apparatus with NIOSH approval.
MASK-MOUNTED REGULATOR	<ul style="list-style-type: none"> The mask-mounted pressure-demand regulator consists of the following: <ul style="list-style-type: none"> An over-the-shoulder air-supply hose routed through a shoulder strap tunnel to the first-stage regulator. The second stage regulator shall not obstruct or reduce the field of vision of the wearer when installed on the facepiece. When doffing the regulator, the disengagement of the regulator from the facepiece must simultaneously stop the flow of air. The second stage regulator must not require any special tools for disassembly. Field replaceable components in the second stage regulator are not to exceed a count of 31 parts. Standard bypass assembly providing continuous flow and clears regulator. Optional purge valve
PRIMARY LOW PRESSURE WARNING DEVICE	An audible alarm is air-actuated. Warning bell automatically operates when air pressure in the supply cylinder reaches approximately 25% of the rated service life.

OPTIONS	
AIR LINE	Optional air line attachment available allowing the user to connect into an independent air source, up to 300 feet away. This shall allow the worker to the capability of an airline respirator and SCBA all in one, allowing the worker to select their air source based on the task at hand.
SHOULDER-MOUNTED QUICK-FILL EBS SYSTEM ACCESSORY	<ul style="list-style-type: none"> Must refill (less than one minute) an SCBA cylinder from a mobile compressor or cascade system. Must be capable of transfilling between two SCBA wearers, providing an emergency breathing system (EBS), while maintaining NIOSH approvals. Capable of extending the users air supply over longer duration when a remote cascade system or other compressed gas source is located in a remote area. Must be capable of transfilling and refill in immediately dangerous to life or health (IDLH) atmospheres. Integrated as part of the high pressure gauge assembly.
EMERGENCY ESCAPE BREATHING SUPPORT SYSTEM	<ul style="list-style-type: none"> As an option, an emergency escape breathing support system (buddy breather) is available. The system must be available with a common air line quick-disconnect fitting. The system shall connect to the intermediate pressure side of the SCBA, downstream of the first stage regulator.

CARRYING CASE	
	If specified, a carrying case is available for retaining the complete apparatus and the instructional manual. Carrying case is either the hard type with replaceable front latches or the soft, duffel bag type.

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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