MSA's Constant Flow Air-Line Respirators are designed to maintain a slight positive pressure of air inside the facepiece whether the wearer is inhaling or exhaling. This helps prevent contaminants from seeping in around the facepiece, even if there should be small breaks in the face-to-facepiece seal.

Features
- Full-facepiece protection with Ultravue or Ultra Elite Facepiece
- Half-mask face protection, where eye protection is not required, with Comfo and Welder’s Comfo Facepieces
- Ideal for use in shipbuilding, utilities, chemical, petrochemical and pharmaceutical industries
- NIOSH/MSHA Approvals
- A wide range of applications including welding, painting and handling certain hazardous materials in non-IDLH environments
- Direct-Connect configurations, which feature fewer parts, are available to simplify the respirator system.

Description
MSA's Constant Flow Air-Line Respirators are designed to maintain a slight positive pressure of air inside the facepiece whether the wearer is inhaling or exhaling. This helps prevent contaminants from seeping in around the facepiece, even if there should be small breaks in the face-to-facepiece seal.

Complete assemblies are available and include a web support belt, air-flow control valve with quick disconnect, breathing tube and a choice of facepiece.
Required Components

Facepiece and Breathing Tube Assembly
MSA Air-Line Respirator users can choose between two full- and two half-mask facepiece styles. Full facepieces are the state-of-the-art, wide-vision, Ultra Elite Facepiece and the proven Ultravue Facepiece with wrap-around lens.

Ultra Elite® Facepiece
Designed to provide exceptional peripheral and downward vision, the Ultra Elite Facepiece is available in three sizes and in a choice of two materials: silicone or Hycar™ rubber. Hycar rubber provides a super-soft facepiece texture for a smooth and comfortable fit. It also resists chemical attack and temperature extremes and withstands rugged day-to-day use without tearing and ripping.

The design of the Ultra Elite Facepiece is based on extensive anthropometric studies of the face length, temple width and chin width data of more than 8,000 individuals. The result is a facepiece that provides improved seals against a wide range of facial contours. The MSA E-Z Don™ or a rubber head harness are available. Optional nosecup is offered in two sizes.

Ultravue® Facepiece
To accommodate a wide range of applications, Ultravue Facepieces are available in black Hycar rubber or silicone. Ultravue Facepieces also come in three sizes and supports three styles of optional nosecups.

Complete Assemblies

Choose facepiece (medium size in black Hycar), control valve and quick-disconnect assembly. Comes with breathing tube and a web support belt. For optional PVC (polyvinylchloride) belt, see Accessories on page 6.

High-Pressure Control Valve
(35-40 psig inlet pressure for 8-300 ft of hose)

<table>
<thead>
<tr>
<th>Quick-Disconnect</th>
<th>Ultra Elite Facepiece</th>
<th>Ultravue Facepiece</th>
<th>Comfo Facepiece</th>
<th>Welder’s Comfo Facepiece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snap-Tite aluminum</td>
<td>810829</td>
<td>460863</td>
<td>460865</td>
<td>460862</td>
</tr>
<tr>
<td>Foster steel</td>
<td>810831</td>
<td>461717</td>
<td>461719</td>
<td>480600</td>
</tr>
<tr>
<td>Duff-Norton brass</td>
<td>810834</td>
<td>489258</td>
<td>†</td>
<td>†</td>
</tr>
<tr>
<td>CEJN Locking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>chrome-plated brass</td>
<td>810832</td>
<td>480629</td>
<td>480631</td>
<td>480671</td>
</tr>
<tr>
<td>Snap-Tite Locking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>hard-coat anodized</td>
<td>810833</td>
<td>480633</td>
<td>480635</td>
<td>480672</td>
</tr>
</tbody>
</table>

Low-Pressure Control Valve
(10-15 psig inlet pressure for 8-50 ft of hose)

<table>
<thead>
<tr>
<th>Quick-Disconnect</th>
<th>Ultra Elite Facepiece</th>
<th>Ultravue Facepiece</th>
<th>Comfo Facepiece</th>
<th>Welder’s Comfo Facepiece</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snap-Tite aluminum</td>
<td>806775</td>
<td>463000</td>
<td>463002</td>
<td>463281</td>
</tr>
<tr>
<td>Foster steel</td>
<td>806776</td>
<td>480472</td>
<td>480474</td>
<td>480468</td>
</tr>
<tr>
<td>Hansen brass</td>
<td>806779</td>
<td>484836</td>
<td>484837</td>
<td>†</td>
</tr>
<tr>
<td>CEJN Locking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>chrome-plated brass</td>
<td>806777</td>
<td>480637</td>
<td>480639</td>
<td>480645</td>
</tr>
<tr>
<td>Snap-Tite Locking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>hard-coat anodized</td>
<td>806778</td>
<td>480641</td>
<td>480643</td>
<td>480646</td>
</tr>
</tbody>
</table>

† Available by special order only.

High-pressure control valves are also available with the following special order quick-disconnects: Snap-Tite brass or stainless steel, Foster brass, and Hansen brass or stainless steel. Low-pressure control valves also available with: Snap-Tite brass or stainless steel, Foster brass, Hansen brass, and Duff-Norton brass. Please call your MSA distributor for complete ordering information.

Comfo® Respirator
The Comfo is a half-mask facepiece used when eye protection is not required. The Comfo style is formulated from SoftFeel® material, which improves the pliability and softness of both Hycar and silicone rubber.

Welder’s Comfo® Facepiece
A Welder’s Comfo Facepiece is also available. This half-mask has an elbow that permits the breathing tube to be carried over the shoulder where it won’t interfere with a welder’s helmet. A web harness with a leather keeper holds the breathing tube in place.
**Lens Covers**
Lens covers, available in a variety of types, provide a convenient way to add a layer of protection against scratches. The self-adhesive covers can be easily installed and removed when necessary. The tinted versions are intended for applications in direct sunlight.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>491500</td>
<td>Ultra Elite clear cover lens (25 per pack)</td>
</tr>
<tr>
<td>805456</td>
<td>Ultra Elite smoke-tinted cover lens (25 per pack)</td>
</tr>
<tr>
<td>480326</td>
<td>Ultravue smoke-tinted cover lens (25 per pack)</td>
</tr>
<tr>
<td>456975</td>
<td>Ultravue clear cover lens (25 per pack)</td>
</tr>
</tbody>
</table>

**Waist Belts**
MSA offers an optional clear polyvinylchloride (PVC) belt that is easy to decontaminate. If decontamination is not a factor, users may also opt for an uncoated nylon webbelt.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>492827</td>
<td>Polyurethane-coated-nylon Belt, standard on all PAPRs</td>
</tr>
<tr>
<td>473902</td>
<td>PVC Waist Belt</td>
</tr>
<tr>
<td>9961</td>
<td>Uncoated-Nylon Web Waist Belt</td>
</tr>
</tbody>
</table>

**Direct-Connect 3/8” Airline Respirator Part Numbers**
All of the facepieces below are size medium and black hycar. The Ultravue and Ultra Elite facepieces include nosecups.

- Ultravue Fcpc w/ rubber harness with Snap-Tite Aluminum 488073
- Ultravue Fcpc w/ rubber harness with Foster Steel 488074
- Ultravue Fcpc w/ rubber harness with Cejn Chrome-locking 488075
- Ultra Elite Fcpc w/ cotton E-Z Don with Snap-Tite Aluminum 806791
- Ultra Elite Fcpc w/ cotton E-Z Don with Foster Steel 806792
- Ultra Elite Fcpc w/ cotton E-Z Don with Cejn Chrome-locking 806793
- Comfo Fcpc with Snap-Tite Aluminum 488077
- Comfo Fcpc with Foster Steel 488078
- Comfo Fcpc with Cejn Chrome-locking 488079
- Comfo Welders Fcpc with Snap-Tite Aluminum 488081
- Comfo Welders Fcpc with Foster Steel 488082
- Comfo Welders Fcpc with Cejn Chrome-locking 488083

**Direct-Connect 1/2” Airline Respirator Part Numbers**
Only has approval for Snap-Tite Aluminum or Cejn Chrome-plated Brass, locking fittings. All of the facepieces below are size medium and black hycar. The Ultravue and Ultra Elite facepieces include nosecups.

**NOTE:** This respirator requires 1/2” ID MSA airline hose with 1/2” Quick-Disconnect fittings and union adapters. Please contact Customer Service for more information.

- Ultravue Fcpc w/ rubber harness with Snap-Tite 488089
- Ultravue Fcpc w/ rubber harness with Cejn 488090
- Ultra Elite Fcpc with E-Z Don with Snap-Tite 806795
- Ultra Elite Fcpc with cotton E-Z Don with Cejn 806796
- Comfo Fcpc with Snap-Tite 488091
- Comfo Fcpc with Cejn 488092
- Comfo Welders Fcpc with Snap-Tite 488093
- Comfo Welders Fcpc with Cejn 488094

**Direct-Connect 3/8”**
The Direct-Connect configurations are low-cost alternatives to standard configurations because they eliminate the need for a control valve.

**3/8” Direct-Connector**
Approved air-supply hose: 3/8”; length: 8-300 ft. The approved inlet air pressure needed to maintain at least 4 cfm to each respirator is listed below for 3/8” hose.

<table>
<thead>
<tr>
<th>Feet</th>
<th>PSIG</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 to 25</td>
<td>6 to 8</td>
</tr>
<tr>
<td>25 to 75</td>
<td>8 to 12</td>
</tr>
<tr>
<td>75 to 100</td>
<td>11 to 15</td>
</tr>
<tr>
<td>100 to 150</td>
<td>14 to 18</td>
</tr>
<tr>
<td>150 to 200</td>
<td>16 to 23</td>
</tr>
<tr>
<td>200 to 250</td>
<td>18 to 28</td>
</tr>
<tr>
<td>250 to 300</td>
<td>20 to 32</td>
</tr>
</tbody>
</table>

**1/2” Direct-Connector**
Approved air-supply hose: 1/2”; length: 25-300 ft. The approved inlet air pressure needed to maintain at least 4 cfm to each respirator is listed below.

<table>
<thead>
<tr>
<th>Feet</th>
<th>PSIG</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 to 50</td>
<td>2 to 4</td>
</tr>
<tr>
<td>50 to 100</td>
<td>3 to 5</td>
</tr>
<tr>
<td>100 to 150</td>
<td>4 to 6</td>
</tr>
<tr>
<td>150 to 200</td>
<td>5 to 8</td>
</tr>
<tr>
<td>200 to 250</td>
<td>6 to 10</td>
</tr>
<tr>
<td>250 to 300</td>
<td>7 to 12</td>
</tr>
</tbody>
</table>

**Caution**
The Snap-Tite Quick-Disconnect for 1/2” id. hose does not have a check valve. If disconnected under pressure, air will discharge through the connector.
The Constant-Flow System

*Note: Can also be used as a Pressure-Demand System, provided air flow and inlet pressure requirements are met.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>F Nipple (VXX)</td>
<td>68833</td>
<td>—</td>
</tr>
<tr>
<td>G Filter</td>
<td>81857</td>
<td>5</td>
</tr>
<tr>
<td>I Regulator</td>
<td>66716</td>
<td>5</td>
</tr>
<tr>
<td>J Bushing</td>
<td>625528</td>
<td>—</td>
</tr>
<tr>
<td>K1 Female Socket</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>K2/3 Manifolds</td>
<td>—</td>
<td>5</td>
</tr>
<tr>
<td>L Male Plug w/ W&quot; male threads</td>
<td>—</td>
<td>8</td>
</tr>
<tr>
<td>M Inlet Gauge</td>
<td>—</td>
<td>5</td>
</tr>
<tr>
<td>N Union Adapter</td>
<td>65942</td>
<td>8</td>
</tr>
<tr>
<td>O MSA Air Hose</td>
<td>—</td>
<td>5</td>
</tr>
<tr>
<td>P/Q Locking Quick</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>R Female Socket Assay</td>
<td>—</td>
<td>8</td>
</tr>
</tbody>
</table>

See Pocket Guide To Airline Respirators (01-14-14) for more information.

**Online Response® Respirator Selector**


- Helps identify the proper respirator you need
- Has broadest range of respiratory protective devices available
- Recommends respirators for more than 700 chemical hazards
- Has nearly 3,000 chemical synonyms
- Lists up to 27 categories of respirators, with MUCs
- Is generic in nature

**MSA Confidence Plus® Germicidal Cleaner**

Mix with warm water for a germicidal cleaner that is effective against various micro-organisms including immunodeficiency virus Type 1 (HIV-1) (associated with AIDS). EPA approved for use on safety equipment.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10009971</td>
<td>MSA Confidence Plus Germicidal Cleaner in 32 oz. bottle</td>
</tr>
</tbody>
</table>
Accessories

Air-Supply Hose

The MSA 3/8-inch ID Air-Supply Hose is available in smooth, reinforced, lightweight polyvinylchloride; chemical-resistant black neoprene; or smooth, coiled nylon. An MSA hose must be used to maintain NIOSH/MSHA approvals.

<table>
<thead>
<tr>
<th>Neoprene</th>
<th>Part No.</th>
<th>Length</th>
<th>Hose Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>455022</td>
<td>50 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>461080</td>
<td>50 ft.</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>455021</td>
<td>25 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>461079</td>
<td>25 ft.</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>455020</td>
<td>15 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>461078</td>
<td>15 ft.</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>461071</td>
<td>8 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>461077</td>
<td>8 ft.</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PVC</th>
<th>Part No.</th>
<th>Length</th>
<th>Hose Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>484225</td>
<td>100 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>471513</td>
<td>50 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>481060</td>
<td>50 ft.</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>471512</td>
<td>25 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>481059</td>
<td>25 ft.</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>471511</td>
<td>15 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>481058</td>
<td>15 ft.</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td>481051</td>
<td>8 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>481057</td>
<td>8 ft.</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coiled Nylon*</th>
<th>Part No.</th>
<th>Length</th>
<th>Hose Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>474043</td>
<td>50 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>491515</td>
<td>25 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>491514</td>
<td>15 ft.</td>
<td>Brass</td>
</tr>
<tr>
<td></td>
<td>491513</td>
<td>8 ft.</td>
<td>Brass</td>
</tr>
</tbody>
</table>

* Recommend 4-25 ft. usable lengths

Pressure Regulator

When an air-line unit is used with a plant air compressor system, the MSA pressure regulator reduces compressor pressure to the desired operating pressure. The regulator maintains pressure on the outlet side until readjusted for use with inlet pressures of up to 125 psig.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>66716</td>
<td>Pressure Regulator</td>
</tr>
</tbody>
</table>

Inlet Pressure Gauge

MSA offers an inlet pressure gauge that enables a user to check pressure at the inlet of the MSA air-supply hose, thereby assuring that air pressure is within the certified range.

The gauge is supplied with quick-disconnect fittings to accommodate your air-line system. (Part numbers below include quick-disconnect plug and union adapter.)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>476734</td>
<td>With Snap-tite(AL) fitting</td>
</tr>
<tr>
<td>476735</td>
<td>With Foster(S) or Schrader fitting</td>
</tr>
<tr>
<td>476737</td>
<td>With Hansen brass fitting</td>
</tr>
<tr>
<td>492586</td>
<td>Inlet Gauge less quick-disconnect and union adapter</td>
</tr>
</tbody>
</table>

Manifolds

Manifolds are required whenever two to four respirators are connected to a single air source. MSA manifolds have quick-disconnect assemblies with automatic shut-off outlets.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>47370</td>
<td>Four-outlet Manifold Assembly with Foster(S) Quick-Disconnects</td>
</tr>
<tr>
<td>84416</td>
<td>Two-outlet Manifold Assembly with Foster(S) Quick-Disconnects</td>
</tr>
<tr>
<td>488914</td>
<td>Four-outlet Manifold Assembly less Quick-Disconnects</td>
</tr>
<tr>
<td>84418</td>
<td>Two-outlet Manifold Assembly less Quick-Disconnects</td>
</tr>
</tbody>
</table>

Air-Line Filter

The MSA air-line filter provides high-efficiency filtration of compressed air lines. In operation, it removes a minimum of 99 percent of 0.3 micron and larger particulates, including dusts, mists, fumes, smokes and petroleum vapors. It does not remove carbon monoxide. The air-line filter can be used at inlet pressure up to 125 psig. The pressure drop is one psig at a maximum rated air flow of 25 cubic feet per minute (cfm).

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>81857</td>
<td>Air-line Filter</td>
</tr>
<tr>
<td>484923</td>
<td>Replacement Filter Kit</td>
</tr>
</tbody>
</table>
Breathing Air Distribution System

This system consists of:
- an air filter (with HEPA particulate filter and organic vapor elements),
- a pressure regulator,
- a pressure gauge and a 4-outlet manifold. A sealed, rugged, stainless steel case prevents contamination of interior components. Using external controls, water condensation can be drained directly from the filter bowl and manifold pressure can be adjusted without opening the system. **CAUTION:** The Breathing Air Distribution System is not effective for removing carbon monoxide.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>488113</td>
<td>Breathing Air Distribution System, (Quick-Disconnects must be ordered separately)</td>
</tr>
<tr>
<td>488118</td>
<td>“Toolbox” Carrying Handle Bar</td>
</tr>
</tbody>
</table>

Nosecups

Molded from a soft rubber compound that is resistant to facial oils, the optional nosecup helps reduce the possibility of lens fogging. The nosecup is particularly effective under conditions of high humidity and/or low temperatures by inhibiting contact of the moist exhalation with the facepiece lens. A nosecup can be easily affixed to the facepiece without tools, and any size nosecup may be installed in any size Ultra Elite, Ultravue or Duo-Twin Facepiece resulting in a customized facepiece for more comfortable use.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>810412</td>
<td>Medium nosecup for Ultra Elite Facepiece</td>
</tr>
<tr>
<td>810413</td>
<td>Large nosecup for Ultra Elite Facepiece</td>
</tr>
<tr>
<td>813138</td>
<td>Small nosecup for Ultravue Facepiece</td>
</tr>
<tr>
<td>813140</td>
<td>Medium nosecup for Ultravue Facepiece</td>
</tr>
<tr>
<td>813140</td>
<td>Large nosecup for Ultravue Facepiece</td>
</tr>
</tbody>
</table>

Welder’s Adapter

For eye protection in welding applications where respiratory protection is required, a welder’s adapter can be easily installed over an Ultravue Facepiece lens. The clip-on style adapter can be easily removed if needed, whereas the integral adapter model is used in place of the facepiece lens. Both models are made of polycarbonate and feature a flip-up lens with large 4-1/2” x 5-1/4” (11.4 cm x 13.3 cm) vision area.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>472859</td>
<td>Clip-on Welder’s Adapter for Ultravue Facepiece, complete with cover lens, less filter plate (see below)</td>
</tr>
<tr>
<td>470786</td>
<td>Integral Welder’s Adapter for Ultravue Facepiece, complete with cover lens, less filter plate</td>
</tr>
<tr>
<td>806482</td>
<td>Clip-on Welder’s Adapter for Ultra Elite Facepiece, with cover lens, less filter plate</td>
</tr>
</tbody>
</table>

Welder’s Hood

Glass yarn hood fits over the Welder’s Adapter to protect the head, neck and shoulders from sparks.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>486568</td>
<td>Welder’s Hood</td>
</tr>
</tbody>
</table>

Spectacle Kit

For use by workers who must wear corrective lenses, the spectacle kit can be easily inserted into an Ultra Elite or Ultravue Facepiece. The kit includes a wire support, rubber guide and one pair of metal frame spectacles. Desired adjustment is obtained by moving the spectacles in and out of the rubber guide and by moving the rubber guide up and down the wire support. One size of spectacle frame is used (S-7 shape, 44-mm lens size) with Universal Bridge Corrective lenses that can be obtained from local sources. The spectacle kit may be worn in conjunction with a nosecup.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>804638</td>
<td>Ultra Elite Spectacle Kit (side wire support)</td>
</tr>
<tr>
<td>493581</td>
<td>Ultra Elite Spectacle Kit (center support)</td>
</tr>
<tr>
<td>454819</td>
<td>Ultravue Facepiece Spectacle Kit</td>
</tr>
</tbody>
</table>

Heat-Treated Rayfoe™ Filter Plates with Cover Lens

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>38346</td>
<td>Shade 6</td>
</tr>
<tr>
<td>38347</td>
<td>Shade 10</td>
</tr>
<tr>
<td>38277</td>
<td>Shade 12</td>
</tr>
<tr>
<td>38348</td>
<td>Shade 14</td>
</tr>
</tbody>
</table>
Control Valve with Quick-Disconnect Assembly

High-pressure control valve is designed to deliver the required air flow to the facepiece at an inlet pressure range of 35-40 psig for hose lengths of 8 to 300 feet. Low-pressure control valve is designed to deliver the required air flow to the facepiece at an inlet pressure range of 10-15 psig for hose lengths of 8 to 50 feet. The valve includes an integral belt clip and male and female quick-disconnect assemblies. (See back page for parts information chart).

Breathing Tube
The MSA Breathing Tube is designed to resist crushing and pinching. Made of synthetic rubber polymer, it is durable and chemical-resistant. It has numerous corrugations along the length of the tube which allow it to stretch for better head movement.

Table: Ultra Elite Full Facepiece

<table>
<thead>
<tr>
<th>Size</th>
<th>Black Hycar</th>
<th>Black Silicone</th>
<th>Head Harness</th>
<th>Nosecup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>493064</td>
<td>493072</td>
<td>Rubber</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>491146</td>
<td>491505</td>
<td>E-Z Don</td>
<td>Yes</td>
</tr>
<tr>
<td>Medium</td>
<td>493020</td>
<td>493028</td>
<td>Rubber</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>491145</td>
<td>491502</td>
<td>E-Z Don</td>
<td>Yes</td>
</tr>
<tr>
<td>Large</td>
<td>493109</td>
<td>493116</td>
<td>Rubber</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>491147</td>
<td>491508</td>
<td>E-Z Don</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table: Ultravue Full Facepiece
(Rubber 5-point head harness is standard.)

<table>
<thead>
<tr>
<th>Size</th>
<th>Black Hycar</th>
<th>Black Silicone</th>
<th>Nosecup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>471218</td>
<td>480251</td>
<td>Yes</td>
</tr>
<tr>
<td>Medium</td>
<td>457126</td>
<td>480247</td>
<td>Yes</td>
</tr>
<tr>
<td>Large</td>
<td>471230</td>
<td>480255</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Table: Comfo Half-Mask Facepieces
(Cradle headband is standard.)

<table>
<thead>
<tr>
<th>Size</th>
<th>Black Hycar</th>
<th>Black Silicone</th>
<th>Headband</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>465817</td>
<td>480126</td>
<td>Elastic</td>
</tr>
<tr>
<td></td>
<td>480127</td>
<td>480130</td>
<td>Cradle</td>
</tr>
<tr>
<td>Medium</td>
<td>94331</td>
<td>480121</td>
<td>Elastic</td>
</tr>
<tr>
<td></td>
<td>480122</td>
<td>480125</td>
<td>Cradle</td>
</tr>
<tr>
<td>Large</td>
<td>469130</td>
<td>480123</td>
<td>Elastic</td>
</tr>
<tr>
<td></td>
<td>480132</td>
<td>480135</td>
<td>Cradle</td>
</tr>
</tbody>
</table>

Table: Welder’s Comfo Half-Mask Demand Facepieces
(Cradle headband is standard.)

<table>
<thead>
<tr>
<th>Size</th>
<th>Black Hycar</th>
<th>Black Silicone</th>
<th>Headband</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>480745</td>
<td>480746</td>
<td>Elastic</td>
</tr>
<tr>
<td></td>
<td>480749</td>
<td>480752</td>
<td>Cradle</td>
</tr>
<tr>
<td>Medium</td>
<td>480737</td>
<td>480740</td>
<td>Elastic</td>
</tr>
<tr>
<td></td>
<td>480741</td>
<td>480744</td>
<td>Cradle</td>
</tr>
<tr>
<td>Large</td>
<td>480753</td>
<td>480756</td>
<td>Elastic</td>
</tr>
<tr>
<td></td>
<td>480757</td>
<td>480760</td>
<td>Cradle</td>
</tr>
</tbody>
</table>

Replacement Harness for Welder’s Comfo P/N 78382
MSA Parts Information Chart for Control Valve Components

(High- & Low-Pressure Valves)

Quick-Disconnects and Adapters

<table>
<thead>
<tr>
<th>AL=Aluminum</th>
<th>SST=Stainless Steel</th>
<th>ST=Steel</th>
<th>BR=Brass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement Control Valve, complete with belt clip, male plug and female socket assembly</td>
<td>Replacement Control Valve, with belt clip, male plug, less female socket assembly</td>
<td>Male Plug 1/4” male NPT for Control Valve</td>
<td>Female Socket 1/4” NPT</td>
</tr>
</tbody>
</table>

**High-Pressure Valves**

- **Snap-Tite (AL)**
  - 46018
  - 474022
  - 66273
  - 66272
  - 69542
  - 455019

- **Snap-Tite (BR)**
  - 471812
  - 474023
  - 630306
  - 630305
  - 69542
  - 471777

- **Snap-Tite (SST)**
  - 471813
  - 474024
  - 629671
  - 629673
  - 808358
  - 471778

- **Duff-Norton (BR)**
  - 473830
  - 474029
  - 630309
  - 630308
  - 69542
  - 471780

- **Hansen (BR)**
  - 471815
  - 474026
  - 630312
  - 630311
  - 69542
  - 471501

- **Hansen (SST)**
  - 473829
  - 474028
  - 473502
  - 629768
  - 808358
  - 471779

- **Foster (ST)**
  - 471814
  - 474025
  - 56549
  - 629770
  - 69542
  - 467044

- **Foster (BR)**
  - 473828
  - 474027
  - 473501
  - 629890
  - 69542
  - 470194

- **CEJN Locking** (Chrome-plated BR)
  - 479065
  - 479093
  - 479020
  - 631870
  - 69542
  - 479001

- **Snap-Tite Locking** (Hard-coat anodized AL)
  - 479067
  - 479095
  - 479021
  - —
  - —
  - 479032*

**Low-Pressure Valves**

- **Snap-Tite (AL)**
  - 462278
  - 474031
  - 66273
  - 66272
  - 69542
  - 455019

- **Snap-Tite (BR)**
  - 471816
  - 474032
  - 630306
  - 630305
  - 69542
  - 471777

- **Snap-Tite (SST)**
  - 471817
  - 474033
  - 629671
  - 629673
  - 808358
  - 471778

- **Duff-Norton (BR)**
  - 473833
  - 474038
  - 630309
  - 630308
  - 69542
  - 471780

- **Hansen (BR)**
  - 471819
  - 474035
  - 630312
  - 630311
  - 69542
  - 471501

- **Hansen (SST)**
  - 473832
  - 474037
  - 473502
  - 629768
  - 808358
  - 471779

- **Foster (ST)**
  - 471818
  - 474034
  - 56549
  - 629770
  - 69542
  - 467044

- **Foster (BR)**
  - 473831
  - 474036
  - 473501
  - 629890
  - 69542
  - 470194

- **CEJN Locking** (Chrome-plated BR)
  - 479072
  - 479100
  - 479020
  - 631870
  - 69542
  - 479001

- **Snap-Tite Locking** (Hard-coat anodized AL)
  - 479073
  - 479101
  - 479021
  - —
  - —
  - 479032*

*Note: These socket assemblies have the union adapter machined directly on the socket (one-piece design).*

**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.