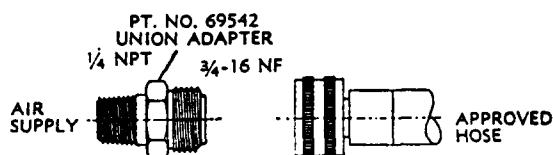


MSA AIR HOSE CONNECTION INSTRUCTION SHEET

The following views are possible Assemblies, which may be used to connect Air-Line Respirators to Air Supply and Air Hoses to each other. Replacement O-Rings used on connectors are available in package of two, Part No. 455804.

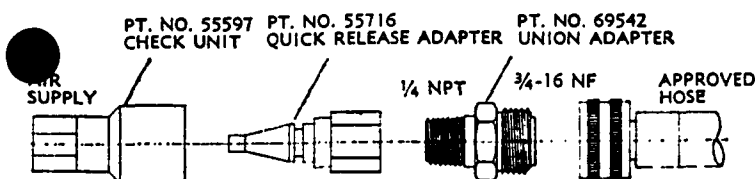
1a. For connecting the Approved Hose to Air Supply Source



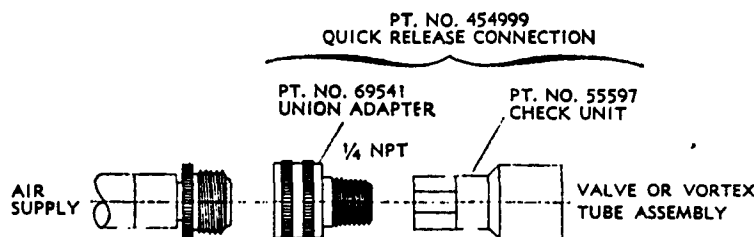
2. For connecting sections of Approved Hose together



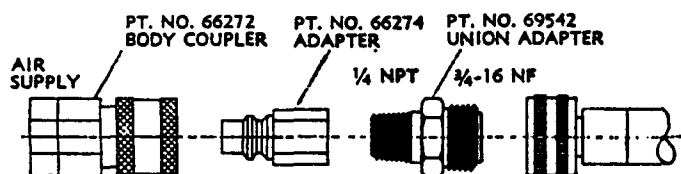
1b. For connecting to Air Supply source with Schrader Fittings



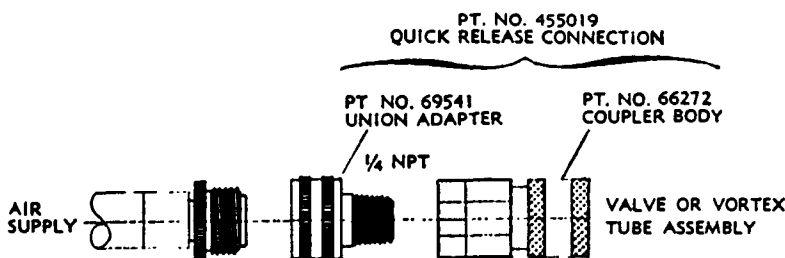
3a. For connecting Valve Assemblies or Vortex Tubes to Approved Hose with Schrader Fittings



1c. For connecting to Air Supply source on Approved Hose with Snap-tite Fittings



3b. For connecting Valve Assemblies or Vortex Tube to Approved Hose with Snap-tite Fittings



Manufactured by

MINE SAFETY APPLIANCES COMPANY
PITTSBURGH, PENNSYLVANIA, U.S.A., 15208

L-771 Rev. 4

995602

CTL022739



Respirator, Airline, Constant Flow

with Ultravue[®], Clearvue[®], or Comfo[®] Custom Facepiec

BEFORE USE:

1. Thoroughly check out the apparatus on receipt prior to use.
2. For use only by qualified trained personnel.
3. **CAUTION:** Do not use when concentrations of contaminants are unknown or immediately dangerous to life or health or from which the wearer cannot escape without respiratory equipment (Air-Line respirators provide no protection if air supply fails).

instructions for use and care

AIR SUPPLY

1. **AIR HOSE**—Any one or combination of the following air supply hoses which does not exceed 300 feet in length may be used:

Part No. 455021—25 Foot Air Hose

Part No. 455022—50 Foot Air Hose

See Air Hose Connection Instruction Sheet Part No. 995602 for airline connections.

2. **PRESSURE**—Air must be supplied to the inlet end of the air hose at a pressure between 35 PSIG and 40 PSIG. If the pressure at any point in the supply system exceeds 125 PSIG, the user must provide a pressure-release mechanism that will prevent the pressure at the hose connection from exceeding 125 PSIG under any conditions.
3. **AIR SOURCE**—The most desirable air source is a compressor having no internal lubrication. If an internally lubricated air source is used, an air line filter such as the MSA Air Line Filter should be used. Since this filter does not remove carbon monoxide which may occur, a carbon monoxide alarm such as the MSA Carbon Monoxide Alarm and Accessory Kit should also be used.
4. The purity of the air supply is the responsibility of the user, but it must be at least Grade D, Compressed Gas Association Commodity Specification for Air G-7.1.

PERMISSIBLE USAGE

1. Do not use when concentrations of contaminants are unknown or immediately dangerous to life or health or from which the wearer cannot escape without respiratory equipment (Air-line respirators provide no protection if air supply fails).
2. Adequate respiratory protection must include hazard assessment, selection and proper usage, instruction and training, maintenance, inspection and replacement, and approval agency identification.

FITTING THE ULTRAVUE[®] OR CLEARVUE[®] FACEPIECE

Pull out Headband Straps, especially the front or forehead straps, so that their ends are at the buckles. Then grip the Facepiece between the thumb and fingers and insert the chin well into the lower part pulling the Headharness back over the head. To obtain a firm and comfortable fit against the face at all points adjust the Headbands as follows:

- a. See that the straps lie flat against the head.
- b. Tighten lower or "NECK" straps.
- c. Tighten "SIDE" straps. (Don't touch forehead or "FRONT" strap.)
- d. Place both hands on Headband Pad and push it towards the neck.
- e. Repeat operations (b) and (c).
- f. Tighten forehead or "FRONT" strap a few notches, if necessary.
- g. Attach Flow Control Valve over Belt on left hip.
- h. Adjust air flow for maximum comfort within approved pressure range.

FITTING THE COMFO[®] CUSTOM FACEPIECE

The COMFO CUSTOM Facepiece is easily adjusted to fit the wearer. For best results place the chin cup of the Facepiece on the chin. Swing the nose section into position along the bridge of the nose, form Metal Yoke around the nose for the most comfortable fit. Place Headbands in the most comfortable position over head and back of neck, and adjust for proper tightness of the Facepiece by moving the adjusting slides in either direction. Attach Flow Control Valve over Belt on left hip.

MAINTENANCE

The Respirator must be kept in good condition to function properly. When any parts show evidence of failure or appreciable wear, they should be replaced

WARNING

1. This device may not provide a satisfactory face seal with certain physical characteristics (such as beards or gross sideburns), as outlined in ANSI Z88.2-1969, resulting in leakage in connection with the facepiece, which voids or limits the protection. If such a condition exists, the user assumes all risks of death or serious bodily injury which may possibly result.
2. Under no circumstances should the apparatus be used as an under-water device.

immediately. In compliance with the Approval label, proper replacement parts must be used in order for these devices to maintain their approval. See illustrated parts list 460884 for correct replacement part number.

CLEANING AND SANITIZING

The Facepiece and Breathing Tube Assembly (with the valve removed) should be cleaned and sanitized after each use with MSA[®] CLEANER - SANITIZER Pt. No. 34337 (25—1 oz. pkgs. per Carton).

1. Make a solution with contents of one package added to water, following the instructions on the cleaner-sanitizer carton.
2. Immerse soiled equipment in the solution and scrub gently with a soft brush until clean.
3. Rinse in plain, warm water (about 120° F.) and then air dry.

None of the metal, plastic, rubber, leather, cloth, or glass parts will be adversely affected by the cleaning solution.

CAUTION: Cleaning and Sanitizing at the recommended 120°F. temperature will avoid possible overheating and distortion of parts of the respirator assembly, which would necessitate replacement.

STORAGE

The Respirator should be stored in a clean, dry place to prevent dust from settling in the interior of the Facepiece and being stirred up and breathed during the next use of the device. The place of storage should be away from direct sunlight and moderately cool, since heat and sunlight will shorten the life of the rubber parts.

TEST FOR TIGHTNESS

Test the Respirator Facepiece for tightness by squeezing the corrugated breathing tube tightly. Inhale gently so that the facepiece collapses slightly and hold breath for ten seconds. The facepiece will remain collapsed while breath is held, providing the assembly is gas tight. If any leakage is detected around the facial seal, readjust the head harness straps. If other than facial seal leakage is detected investigate the condition and correct. The facepiece should be subjected to a tightness test before each use.

PERMISSIBLE SUPPLIED-AIR RESPIRATOR TYPE C CONTINUOUS-FLOW CLASS

MINE SAFETY AND HEALTH ADMINISTRATION
NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

APPROVAL NO. TC-19C-78

ISSUED TO

MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pennsylvania



LIMITATIONS

Approved for respiratory protection in any atmosphere not immediately dangerous to life or health and from which the wearer can escape without the aid of the respirator. This approval applies only when the respirator is supplied with respirable air through 25 to 300 feet of hose within the pressure range of 35 to 40 pounds per square inch as specified by the manufacturer.

CAUTION

This respirator must not be worn in any atmosphere immediately dangerous to life or health. Follow the manufacturer's instructions for providing a supply of respirable air.

In making renewals or repairs, parts identical with those furnished by the manufacturer under the pertinent approval shall be maintained. This respirator shall be selected, fitted, used and maintained in accordance with Mine Safety and Health Administration, Occupational Safety and Health Administration, and other applicable regulations.

MSHA-NIOSH APPROVAL TC-19C-78

Issued to Mine Safety Appliances Company, November 23, 1977

The approved Assembly consists of the following MSA part numbers: 7-203, 7-223, 94331, 95040, or 96680 facepiece with 9961 web belt or 460861 facepiece with 78362 harness, 457158 breathing tube assembly, 460814 control valve, and 455021 and/or 455022 air supply hose.

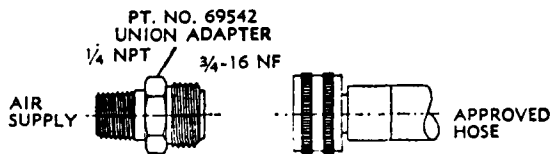
Manufactured by
MINE SAFETY APPLIANCES COMPANY
PITTSBURGH, PENNSYLVANIA, U.S.A., 15208
L-879(L) Rev. 3 460868

CTL022740

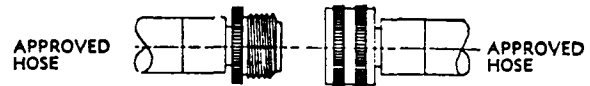
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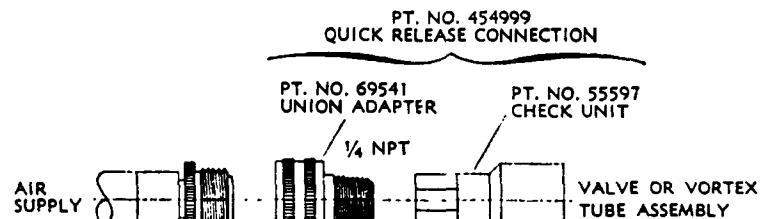
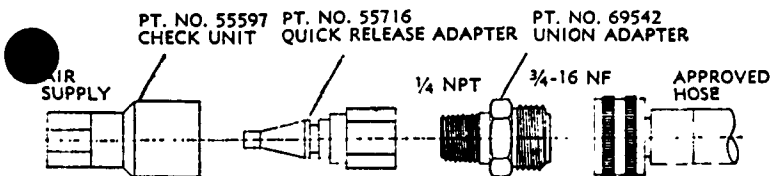


2. For connecting sections of Approved Hose together



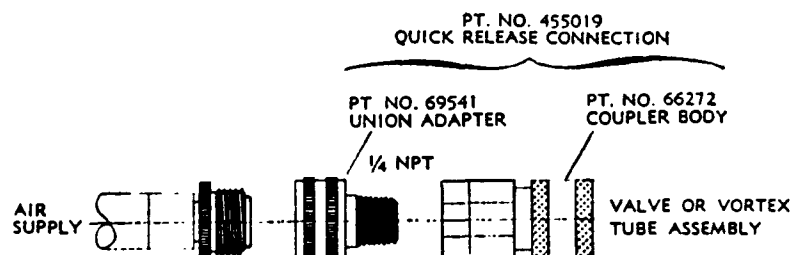
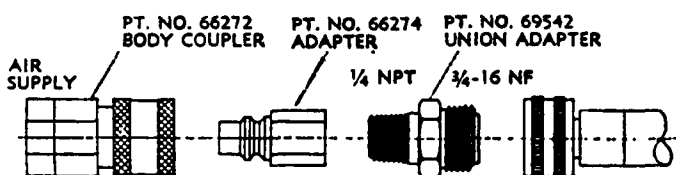
3a. For connecting Valve Assemblies or Vortex Tubes to Approved Hose with Schrader Fittings

1b. For connecting to Air Supply source with Schrader Fittings



3b. For connecting Valve Assemblies or Vortex Tube to Approved Hose with Snap-tite Fittings

1c. For connecting to Air Supply source on Approved Hose with Snap-tite Fittings

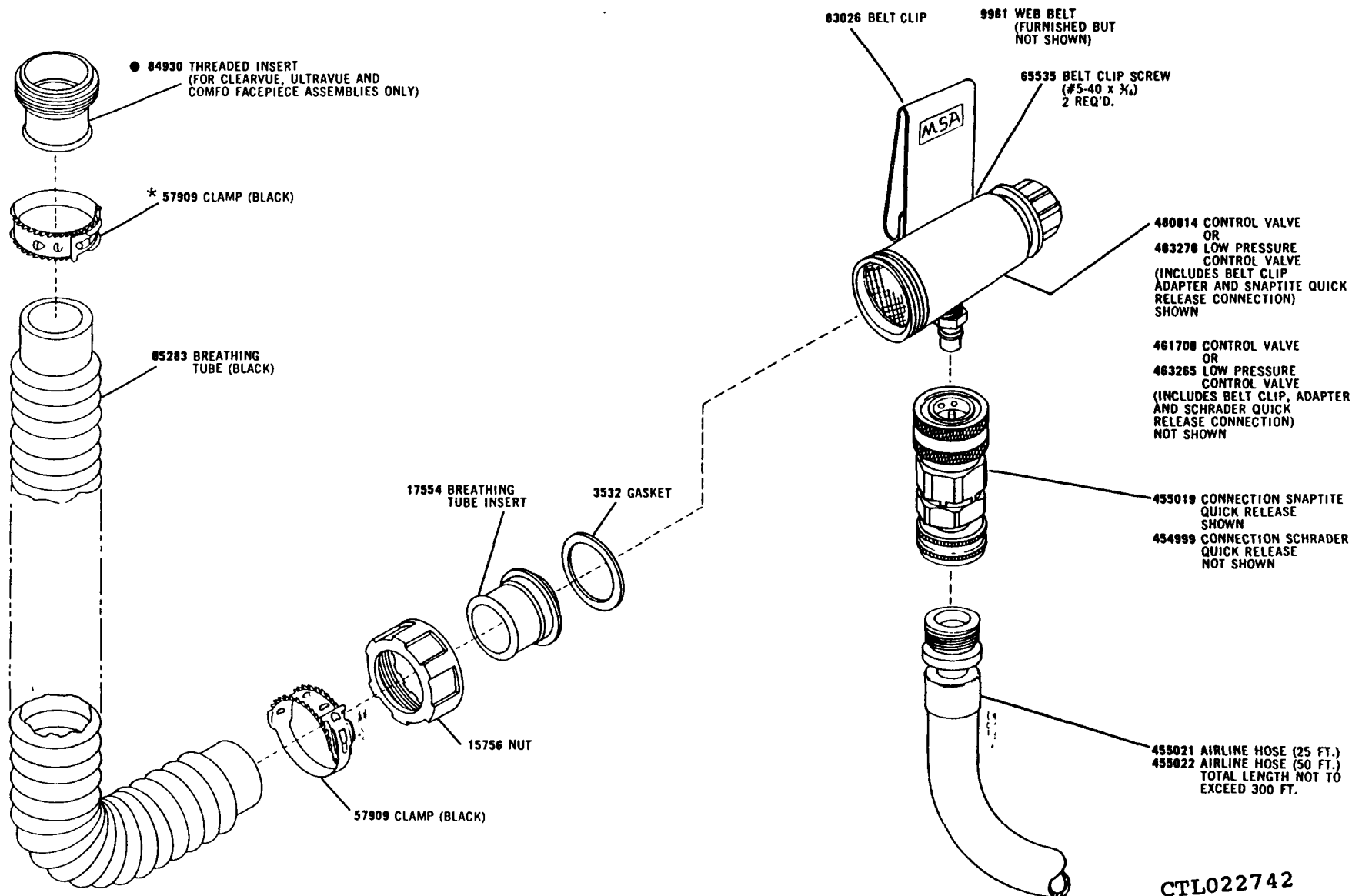


Manufactured by

MINE SAFETY APPLIANCES COMPANY
PITTSBURGH, PENNSYLVANIA, U.S.A., 15208
L-771 Rev. 4 995602

CTL022741

457158 BREATHING TUBE ASSEMBLY (INCLUDES INSERTS, CLAMPS, NUT AND GASKET) FOR CLEARVUE, ULTRAVUE AND COMFO FACEPIECE ASSEMBLY



CTL022742