



# FLOW CONTROL DEVICES

Protecting you for life's best moments.

Refer to the **INSTRUCTION MANUAL** supplied with the respirator for **IMPORTANT SAFETY INFORMATION, EMPLOYER RESPONSIBILITIES** and **PRODUCT USER SAFETY INSTRUCTIONS**.



**Employers:** Read this manual and the respirator Instruction Manual and carry out the Employer Responsibilities.

**Product users:** Read this manual and the respirator Instruction Manual and follow the Product User Safety Instructions.

Refer to the respirator instruction manual for the NIOSH Cautions and Limitations and the Breathing Air Pressure Table for the correct air pressure and hose lengths for use with this device.

Make sure this manual is available to all users for reference.

**For other languages and additional copies:**

[gvs-rpb.com/industrial/resources](http://gvs-rpb.com/industrial/resources)

## REQUIREMENTS

A Flow Control Device is one part of a complete approved respirator assembly. All components must be present and properly assembled to constitute a complete approved assembly under NIOSH, EN 14594, or AS/NZS 1716. See the respirator instruction manual and/or approval label to determine if this device is approved for use with the chosen respirator. Each respirator consists of 3 main components. All 3 components must be present and properly assembled to constitute a complete NIOSH, EN 14594, or AS/NZS 1716 approved respirator.

- Respirator Head-top Assembly
- Breathing Tube Assembly and Flow Control Device
- Breathing Air Line

### **⚠ WARNING**

**The Flow Control Device must be supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality and meets OSHA or other governing body requirements such as EN12021 or AS/NZS 1715.**

## EXPLANATION OF SIGNAL WORDS AND SYMBOLS

The following signal word and safety symbols are used in this manual and product labeling:

### **⚠ WARNING**

**WARNING** indicates a hazardous situation that, if not avoided, could result in death or serious injury.



**Read the Instruction Manual.**

Additional copies of RPB® manuals can be found at [gvs-rpb.com](http://gvs-rpb.com).

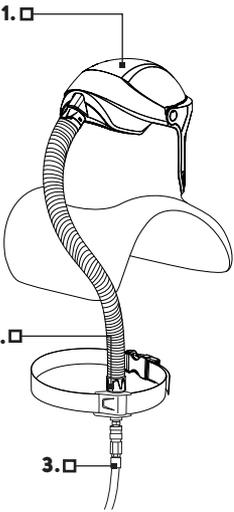
### **⚠ WARNING**

**Use only exact, authentic RPB® replacement parts (marked with the RPB® logo and part number), and only in the specified configuration. Using incomplete or inappropriate equipment, including the use of counterfeit or non-RPB® parts, can result in inadequate protection and will void the NIOSH, EN, or AS/NZS approval of the entire respirator assembly.**

**⚠ WARNING** Improper selection, fit, use, or maintenance of respiratory protection products can result in injury; life threatening delayed lung, skin or eye disease; or death. This product is intended for occupational use in accordance with applicable standards or regulations for your location, industry, and activity (see Employer Responsibilities). Familiarity with standards and regulations related to the use of this protective equipment is recommended, even if they do not directly apply to you. If self-employed or if used in a non-occupational setting, refer to Employer Responsibilities and Product User Safety Instructions. Go to [gvs-rpb.com/important-safety-information/](https://gvs-rpb.com/important-safety-information/) for helpful links to regulations, standards, and other content.

**⚠ WARNING** **BEFORE PUTTING THE FLOW CONTROL DEVICE INTO SERVICE:**

- Make sure you have all required components for a complete NIOSH approved respirator:
  1. Respirator Head-top Assembly
  2. Breathing Tube Assembly and Flow Control Device
  3. RPB® Breathing Air Line
- Use of incomplete or inappropriate equipment, including the use of counterfeit or non-RPB® parts, can result in inadequate protection and will void the NIOSH, EN, or AS/NZS approval of the entire respirator. Do not modify or alter any part of this product.
- Read the respirator instruction manual for important safety information, product specifications, assembly, use, and care information. Make sure each user reads the manual and is trained as specified.
- For each activity, check protection requirements and product specifications. As applicable, check your workplace safety program, respiratory protection program, and standards and regulations for your activity or industry.

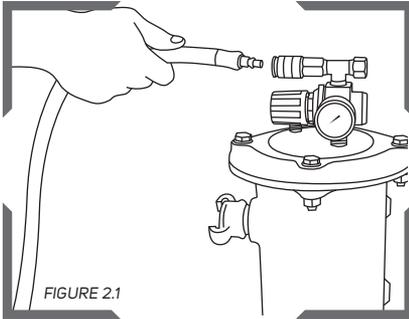



(Z-LINK® SHOWN AS AN EXAMPLE)

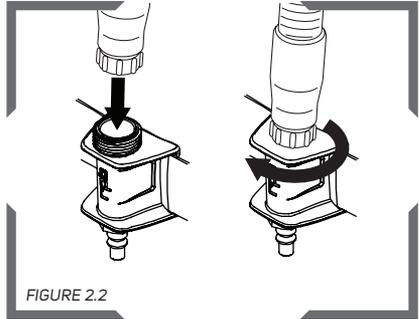
## INSPECTION, CLEANING AND STORAGE

The flow control device has a limited service life, and therefore a regular inspection and replacement program must be conducted. All components of a Respirator Assembly including the Breathing Air Line, Head-top and Flow Control Devices should be inspected for damage and wear and tear, before each use. If any damaged or worn parts are found, they should be replaced immediately, or the unit disposed of. Use only parts and components that are part of the NIOSH, EN, or AS/NZS approved respirator assembly as set out in this instruction manual or that of the head-top. Clean with mild detergent and a soft cloth. Store the flow control device in a cool dry environment with the rest of the respirator assembly, or by itself in a sealed container or bag outside of the work environment between -10°C to +45°C (14°F to 113°F) <90%rh.

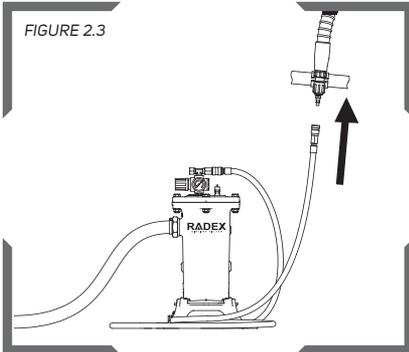
## CONNECT THE AIR SUPPLY



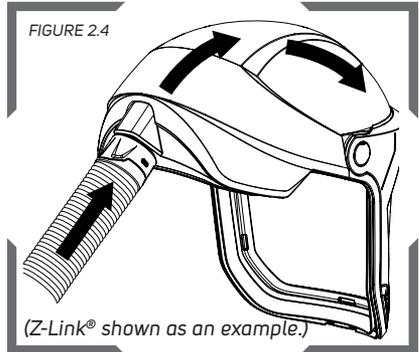
Connect the Breathing Air Line to the point of attachment (O4-900 Radex® Airline Filter shown).



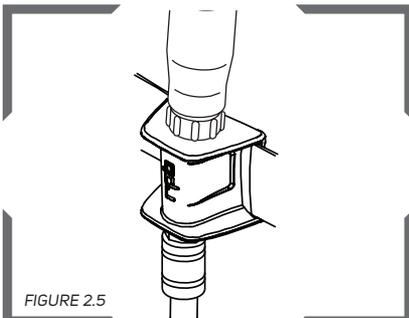
Connect the Breathing Tube to the Flow Control Device.



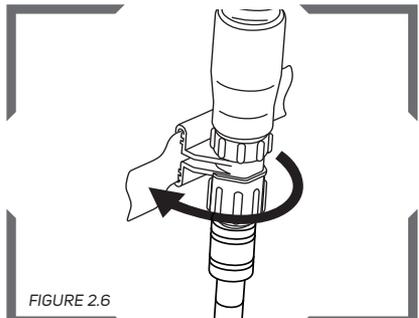
Now connect the Breathing Air Line to the Flow Control Device. Air should be now flowing through the respirator. **NOTE:** Check the hose connections for any air leaks and tighten if necessary – replace any worn parts.



With air flowing through the respirator, adjust the air pressure at the point of attachment to the recommended pressure as specified in the Breathing Air Pressure Table of the respirator Instruction Manual.



For Constant Flow Valves, the flows rate is set at the point of attachment.



For Flow Control Valves, turn the knob to adjust the airflow between the minimum and maximum flow.



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Rev:2

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