

## **Honeywell North® Air-Fed Suits – BSL 4** Integrated Respiratory Protection and Protective Clothing

Honeywell Industrial Safety offers a complete range of air-fed suit products specifically designed to protect workers against hazards in nuclear, chemical, pharmaceutical and biological environments. The complete range of ventilated suits and hoods provides full protection for the worker, while allowing him to move freely. With respiratory protection integrated directly into the protective suit, the Honeywell North Air-Fed suits are the ideal solution for a range of applications.

### **Industries**

- Biomedical

### **Product Use:**

- Laboratory (i.e. BioSafety Laboratory Level 4) – where there is a high risk of biological or particulate contamination
- Reusable clothing

### **Technical Description**

1. Complete ventilation system (complete body) with internal air control
2. Vertical closure on the front of the garment (easy on/off)
3. Sealed zipper
4. Patented magnetic valves (exhaust)
5. HEPA filter
6. Sleeve cuffs (to use different types of gloves)
7. Welded safety boots or soft booties
8. Loops for the supply pipe
9. Four fittings to hang the suit after use
10. One inside pocket (compatible with voice communication systems, not included)



### **For more information**

Technical Service: 800.873.5242  
[www.honeywellsafety.com](http://www.honeywellsafety.com)

### **Honeywell Industrial Safety**

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Smithfield, RI 02917

### **USA**

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Fax: 800.322.1330

[www.honeywell.com](http://www.honeywell.com)

### **CANADA**

Phone: 888.212.7233  
Fax: 888.667.8477

# TECHNICAL INFORMATION

## Ordering Information

SKU #	Description	Case Length (inch)	Case Width (inch)	Case Height (inch)	Case Weight (Lbs)	Inner Pkg Length (cm)	Inner Pkg Width (cm)	Inner Pkg Height (cm)
CC8486209-XS-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, Size Extra Small	23.62	19.69	15.75	17.64	15	19	20
CC8486209-S-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, Size Small	23.62	19.69	15.75	17.64	15	19	20
CC8486209-M-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, Size Medium	23.62	19.69	15.75	17.64	15	19	20
CC8486209-L-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, Size Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XL-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, Size Extra Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XXL-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, Size XXL Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-L-US-TGY	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, TYGON silicon connecting pipe, Size Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-M-US-TGY	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, TYGON silicon connecting pipe, Size Medium	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XLUS-TGY	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, TYGON silicon connecting pipe, Size Extra Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XXLUSTGY	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, TYGON silicon connecting pipe, Size Extra Extra Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-S-US-TGY	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, TYGON silicon connecting pipe, Size Small	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XSUS-TGY	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, TYGON silicon connecting pipe, Size Extra Small	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XS-US	Air Fed suit, MURUROA BSL4, with integrated Boots, Size Extra Small	23.62	19.69	15.75	17.64	15	19	20
CC8486219-S-US	Air Fed suit, MURUROA BSL4, with integrated Boots, Size Small	23.62	19.69	15.75	17.64	15	19	20
CC8486219-M-US	Air Fed suit, MURUROA BSL4, with integrated Boots, Size Medium	23.62	19.69	15.75	17.64	15	19	20
CC8486219-L-US	Air Fed suit, MURUROA BSL4-2, with integrated Boots, Size Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XL-US	Air Fed suit, MURUROA BSL4-2, with integrated Boots, Size Extra Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XXL-US	Air Fed suit, MURUROA BSL4-2, with integrated Boots, Size XX Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-L-US-TGY	Air Fed suit, MURUROA BSL4, with integrated Boots, TYGON silicon connecting pipe, Size Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-M-US-TGY	Air Fed suit, MURUROA BSL4, with integrated Boots, TYGON silicon connecting pipe, Size Medium	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XL-US-TG	Air Fed suit, MURUROA BSL4, with integrated Boots, TYGON silicon connecting pipe, Size Extra Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XXL-USTG	Air Fed suit, MURUROA BSL4, with integrated Boots, TYGON silicon connecting pipe, Size Extra Extra Large	23.62	19.69	15.75	17.64	15	19	20

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SKU #	Description	Case Length (inch)	Case Width (inch)	Case Height (inch)	Case Weight (Lbs)	Inner Pkg Length (cm)	Inner Pkg Width (cm)	Inner Pkg Height (cm)
CC8486219-S-US-TGY	Air Fed suit, MURUROA BSL4, with integrated Boots, TYGON silicon connecting pipe, Size Small	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XS-US-TG	Air Fed suit, MURUROA BSL4, with integrated Boots, TYGON silicon connecting pipe, Size Extra Small	23.62	19.69	15.75	17.64	15	19	20
CC8486209-S-A-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, non-magnetic, Size Small	23.62	19.69	15.75	17.64	15	19	20
CC8486209-M-A-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, non-magnetic, Size Medium	23.62	19.69	15.75	17.64	15	19	20
CC8486209-L-A-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, non-magnetic, Size Large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XL-A-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, non-magnetic, Size Extra large	23.62	19.69	15.75	17.64	15	19	20
CC8486209-XXL-A-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties, non-magnetic, Size XX Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-S-A-US	Air Fed suit, MURUROA BSL4, with integrated Boots, non-magnetic, Size Small	23.62	19.69	15.75	17.64	15	19	20
CC8486219-M-A-US	Air Fed suit, MURUROA BSL4, with integrated Boots, non-magnetic, Size Medium	23.62	19.69	15.75	17.64	15	19	20
CC8486219-L-A-US	Air Fed suit, MURUROA BSL4, with integrated Boots, non-magnetic, Size Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XL-A-US	Air Fed suit, MURUROA BSL4, with integrated Boots, non-magnetic, Size Extra large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-XXL-A-US	Air Fed suit, MURUROA BSL4, with integrated Boots, non-magnetic, Size XX Large	23.62	19.69	15.75	17.64	15	19	20
CC8486219-US-TGY	Air Fed suit, MURUROA BSL4-2, with integrated Boots (customer specific sizing)	23.62	19.69	15.75	17.64	15	19	20
CC8486209-US-TGY	Air Fed suit, MURUROA BSL4-2, with integrated Booties (customer specific sizing)	23.62	19.69	15.75	17.64	15	19	20
CC8486209-US	Air Fed suit, MURUROA BSL4, incl. PP-Type Booties (custom specific sizing)	23.62	19.69	15.75	17.64	15	19	20
CC8486219-US	Air Fed suit, MURUROA BSL4-2, with integrated Boots (customer specific sizing)	23.62	19.69	15.75	17.64	15	19	20

# TECHNICAL INFORMATION

## Product Information

- **Benefits**
  - High protection factor (class 5)
  - Comfortable (unique ventilation system, low noise < 70 dB, wide sleeves)
  - Wide visual field
  - High level of mechanical strength (abrasion, piercing, tearing)
  - Easy dress in and dress out
  - Lightweight
- **Uses**
  - Designed for Bio Safety Level 4 Laboratories or for environments where there is a high risk of biological or particulate contamination
  - Design for use on breathable air networks (65 psig - 80 psig)
  - Reusable clothing
  - Applications: bio labs, chemical, oil and gas, or pharmaceutical
- **Features**
  - PF > 50,000
  - Class 5: EN1073-1
  - Air Flow Range: 470 to 950 l/m
  - Durable, natural PVC material is resistant to abrasion, piercing, and tearing
  - Vertical double seal with overlap at the top to secure the closure
  - Patented exhaust with magnetic valve ensures protection for workers
  - Four (4) hanging loops to hang suits in between uses
  - Convenient inside pocket for holding voice communication devices (communication devices not included)
- **Comfort**
  - Custom-made to individual size measurements for optimal comfort and fit
  - Complete body air distribution increases comfort with ventilation throughout head, arms and legs
  - Low noise; less than 70 dB
  - Air flow rate can be adjusted individually for personal comfort
  - Sleeve cuffs available in large or small for better customized fit
  - Integrated glove ring for securing gloves in place
- **Options**
  - Boot options include welded sealed safety boots or welded safety boots
- **Composition**
  - Textile double-sided coated with PVC – 400 g/m<sup>2</sup>
  - PVC Gloves
  - Bootie Options:
    - Sealed safety boots
    - “Peter Pan” booties (to be worn inside independent safety boots)
    - Sealed zipper
- **Color**
  - White
- **Size**
  - Custom Made
- **Packaging**
  - Individually packed in a reusable textile bag
  - Sold with hanger and inflated balloon to protect the hood
- **Limitation of Use**
  - Reusable clothing
  - Never use the suit near fire or near heat sources
- **Storage Information**
  - Keep equipment in the original packaging in a cool and dry place, not dusty, far from heat sources and far from direct light between 41°F and 95°F (+5°C and +35°C)
  - Carefully follow the instruction on the label

## TECHNICAL INFORMATION

### Performances

The pressure suit is certified for an air supply flow rate included between:

- Minimum flow rate: 470 l/min in 65 psig
- Maximum flow rate: 950 l/min in 80 psig

To decontaminate the pressure suit: refer to the user manual.

Before using the overall, the user must set up all the devices needed to check that the minimum airflow required by the manufacturer is reached or exceeded before and during the use of the equipment.

### Certifications

- **EC Personal Protective Equipment Category: 3**
- **EN 1073-1:1998**  
Protective clothing against radioactive contamination - Requirements and test methods for ventilated protective clothing against particulated radioactive contamination. IL: Class 5. Indicate nominal protection factor of the suit (Class 5: Protection factor  $\geq 50\ 000$ )
- **European Directive:**  
89/686/EEC
- **EC Certification Number:**  
N° 0073/197/162/06/00/0011 – 23/06/2000
- **Quality Assurance:**  
ISO 9001 / 2000
- **The manufacturer or its legal representative supplier settled in the European Community:**  
HONEYWELL PROTECTIVE CLOTHING