

Honeywell North® Air-Fed Suits – HAPICHEM

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

- Pharmaceutical
- Chemical

Product Use:

- Chemical resistant, antistatic, ventilated suit designed for short-duration operations, in areas where the air is polluted with solid particles and whole body protection is required
- Suit specially designed for breathable air network with low pressure
- Usable in Atex area (dust zones 21 & 22) for version with dissipative soles
- Single use clothing

For more information

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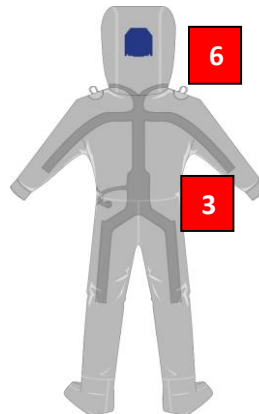
CANADA

Phone: 888.212.7233

Fax: 888.667.8477

TECHNICAL INFORMATION

Technical Description



1. **Horizontal double tight zipper in front of the suit** for a high protection combined with an easy donning
2. **High optical quality visor** for an excellent visibility and a high chemical protection
3. **Patented back internal airflow** to be able to work sit down or on knees without risk of overpressure
4. **O-ring** to adjust different types & sizes of gloves
5. **User adjustable air flow valve** for easy regulation and comfort
6. **One exhaust patented magnetic valve** to operate in low pressure and ensure the highest protection for workers
7. **Orange safety strip on the side** for a quick emergency procedure
8. **Different sole options** to adjust to work environments
9. **Hanging loop** to hang suits in option

TECHNICAL INFORMATION

Ordering Information

SKU #	Description	Case Length (inch)	Case Width (inch)	Case Height (inch)	Case Weight (Lbs)
CC94804021	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T1	37.4	17.72	9.84	11
CC94804022	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T2	37.4	17.72	9.84	11
CC94804022-XL	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T2XL	37.4	17.72	9.84	11
CC94804023	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T3	37.4	17.72	9.84	11
CC94804024	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T4	37.4	17.72	9.84	11
CC94804025	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T5	37.4	17.72	9.84	11
CC94804026	Anti-slip, glove interface (glove bought separately), Cejn plug, Size T6	37.4	17.72	9.84	11
CC94804031	Anti-static, glove interface (glove bought separately), Cejn plug, Size T1	37.4	17.72	9.84	11
CC94804032	Anti-static, glove interface (glove bought separately), Cejn plug, Size T2	37.4	17.72	9.84	11
CC94804033	Anti-static, glove interface (glove bought separately), Cejn plug, Size T3	37.4	17.72	9.84	11
CC94804034	Anti-static, glove interface (glove bought separately), Cejn plug, Size T4	37.4	17.72	9.84	11
CC94804035	Anti-static, glove interface (glove bought separately), Cejn plug, Size T5	37.4	17.72	9.84	11
CC94804036	Anti-static, glove interface (glove bought separately), Cejn plug, Size T6	37.4	17.72	9.84	11
CC94804011	Standard booties, glove interface (glove bought separately), Cejn plug, Size T1	37.4	17.72	9.84	11
CC94804012	Standard booties, glove interface (glove bought separately), Cejn plug, Size T2	37.4	17.72	9.84	11
CC94804013	Standard booties, glove interface (glove bought separately), Cejn plug, Size T3	37.4	17.72	9.84	11
CC94804014	Standard booties, glove interface (glove bought separately), Cejn plug, Size T4	37.4	17.72	9.84	11
CC94804015	Standard booties, glove interface (glove bought separately), Cejn plug, Size T5	37.4	17.72	9.84	11
CC94804015-XL	Standard booties, glove interface (glove bought separately), Cejn plug, Size T5XL	37.4	17.72	9.84	11

TECHNICAL INFORMATION

Product Information

- **Uses**
 - Designed for environments where the air is polluted with solid and liquid particles and where full body respiratory protection is required
 - Suit compatible with low pressure (45 psig - 65 psig) breathable air networks
 - Applications: chemical, pharmaceutical, maintenance, dismantling, or asbestos removal

- **Features**
 - PF > 50,000 / Class 5: EN1073-1 / Air Flow Range: 300 to 730 l/min
 - Visor provides large viewing area and high chemical protection
 - Horizontal double zip seal closure in front of suit adds protection and allows for easy donning without the need for help
 - Patented back airflow allows the worker to sit or kneel without risk of over pressure
 - Patented exhaust valves ensures protection for workers

- **Comfort**
 - Complete body air distribution increases comfort with ventilation throughout head, arms and legs
 - Air flow rate can be adjusted individually for personal comfort

- **Options**
 - Three sole options (standard, anti-skid, anti-static)
 - Hanging loop to hang suits

- **Composition**
 - Non-woven laminated with a high barrier film 165 gsm
 - PET visor 250 µm

- **Color**
 - White

- **Packaging**
 - 4 coveralls / case

- **Limitation of Use**
 - Single use 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

In normal use, the suit is air-fed by a breathable network and certified for the flow of air supply roll:

- Minimum flow rate: 300 l/min in 45 psig
- Maximum flow rate: 730 l/min in 65 psig

The noise level within the garment is below 75 dB (at maximum flow rate)

Raw Material Performances	Standards	Results
Resistance to abrasion	EN 530: 1994 method 2	Class 6/6
Resistance to puncture	EN 863: 1995	Class 1 EN1073-1 and Class 2
Resistance to flex cracking	EN ISO 7854B: 1995	EN14325 Class 1/6
Trapezoidal tear resistance	EN ISO 9073-4: 1997	Class 5 EN1073-1 and Class 4
Tensile strength resistance	EN ISO 13934-1:1999	EN14325 Class 3/6
Antistatic level	EN1149-5:2008	<2.5x10e9 Ohm
Ignition test	EN 13274-4 :2001 method 3	Pass
Resistance to permeation of Liquids H ₂ SO ₄ 96%	EN ISO 6529 :2001	Class 6/6
Seams Performances	Standards	Results
Seams Resistance	EN ISO 13935-2: 1999	Class 4/6
Resistance to permeation of Liquids H ₂ SO ₄ 96%	NF EN ISO 6529 :2001	Class 6/6
Suit Performances	Standards	Results
Type 3&4 – Protection clothing against liquid chemicals with liquid-tight and spray-tight	EN ISO 17491-3 :2008 EN ISO 17491-4 :2008	Pass
Inward leakage – ventilated protective clothing against particulate radioactive contamination	EN 1073-1:1998	Class 5 (nominal protection factor is ≥ 50 000)
Suit performances specific to dissipative sole (CC9480XY3T)	Standards	Results
Atex certification – Electrostatic Ineris	EN13463-1 :2009	ATEX certified (Group IIIA, IIIB, IIIC, dust zones 21 and 22)

TECHNICAL INFORMATION

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 $\geq 50\ 000$)
- **EN 14605 :2005 / A1 :2009**
Protective clothing for use against liquid chemicals – Performance requirements for clothing with liquid-tight (Type 3) or spay-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])
- **ELECTROSTATIC-INERIS**
Volunteer certification intended to ensure the safety of certain equipment (hoses, filters...) and Personal Protective Equipment (PPE) with electrostatic risks because used in Atex area.
- **European Directive:**
89/686/EEC
- **EC Certification Number:**
N° 0072/197/162/09/14/0069 – 09/17/2014
- **Quality Assurance:**
ISO 9001 / 2000
- **The manufacturer or its legal representative supplier settled in the European Community:**
HONEYWELL PROTECTIVE CLOTHING