



RADIANS®

WOMEN'S PPE

FAST FACTS



Women's **PPE**
DESIGNED BY *Women TO FIT Women*






WOMEN IN THE WORKPLACE

The number of women joining the construction, roadway, and manufacturing industries is increasing every day. As a result, the need for women's clothing that is both suitable and meets their distinct requirements is growing. According to the Bureau of Labor Statistics, more than 8 million women work in occupations that demand personal protective equipment (PPE) to ensure their safety.

"The manufacturing skills gap in the U.S. could result in 2.1 million unfilled jobs by 2030," according to a new study by Deloitte and The Manufacturing Institute, the workforce development and education partner of the National Association of Manufacturers (NAM). The cost of those unoccupied jobs "could potentially total \$1 trillion in 2030 alone."

"Fortunately, the study found that diversity, equity and inclusion (DEI) initiatives exert a growing influence on workforce trends and can help manufacturers fill these empty jobs. Manufacturers have more work to do to attract larger numbers of women and diverse workers to the industry, and the Institute is leading an industry-wide effort to close the opportunity gap."

– NAM News Room, 2021, 2.1 Million Manufacturing Jobs Could Go Unfilled by 2030



4,850,000
Women in
Manufacturing

30% of workforce in manufacturing are women



2,052,000
Women in
Transportation &
Utilities

24% of workforce in transportation and utilities are women

1,186,000
Women in Construction

11% of workforce in construction are women

103,000
Women in Mining

14% of workforce in mining are women

8,191,000
Women in Workplaces that
need protection

THE PROBLEM: ONE SIZE FITS ALL IS NOT THE RIGHT CALL

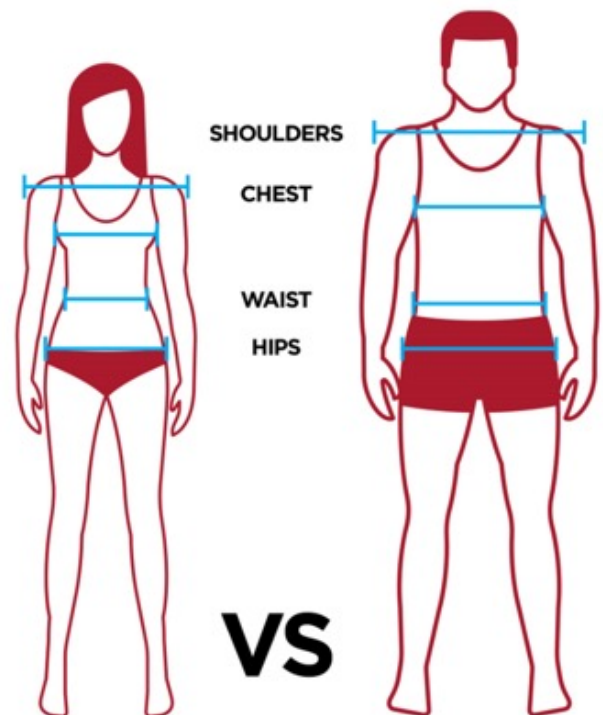
Although men and women have different physical builds, safety apparel is often marketed as “Unisex” or “One Size Fits All.” This can cause issues for employers and safety professionals who are responsible for protecting the well-being of all workers, including their physical, psychological, and social welfare. Forcing women to wear ill-fitting safety apparel can negatively impact all three of these issues. Improperly fitting apparel can create physical safety hazards, make women feel like they do not belong on the team, and leave them feeling unwelcome.



Providing properly fitting garments can result in a safer and healthier work environment. Men's and women's bodies have different shapes, and safety apparel designed for men may not fit women properly. For example, men generally have broader shoulders and upper chests and are slimmer in the hips, resulting in differences in fit. Most safety apparel is designed to fit men, and sizing charts are typically based on men's sizes. As a result, many women are provided ill fitting PPE which may not provide adequate protection against hazard. Wearing oversized men's clothing can also increase the risk of accidents, such as getting caught in machinery or on scaffolding, which can lead to trips, slips, and falls. For example, if a woman wears men's goggles that do not fit her face, temple gaps can allow flying debris to enter her eyes.

“Everyone knows Unisex PPE is not built for a woman's shape and form.”

— Amy Roosa, Senior Risk Control Specialist, Gallagher
Co-Founder Annual Iowa Women in Safety Conference



RESEARCH

A 2022 survey conducted by the Canadian Standards Association gathered responses from 2,675 women regarding their experiences with personal protective equipment (PPE) in the workplace. The results revealed that 83% of respondents reported having to wear PPE that was either unisex or designed for men, despite women and men having different physical builds.

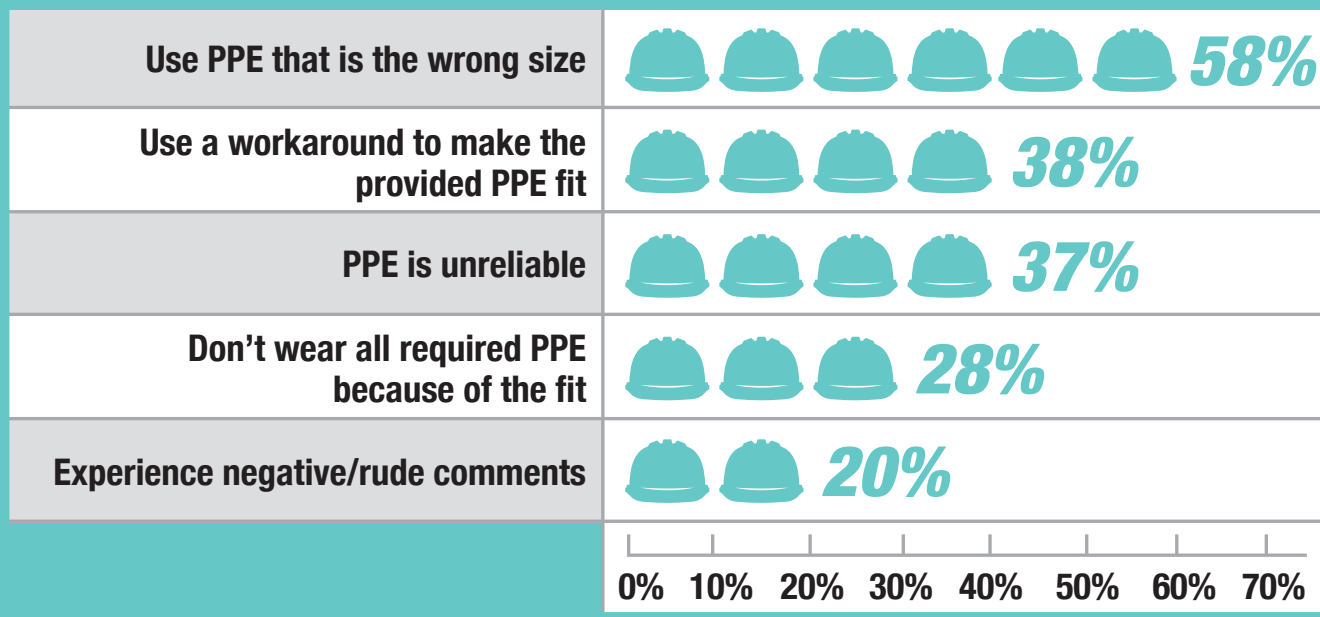


Of the women surveyed, 85% reported experiencing at least one issue with their PPE, with 50% reporting that their PPE did not fit properly. One respondent shared her experience, stating that ill-fitting PPE resulted in getting caught on objects, tripping hazards, and awkwardness with gloves.

The survey also asked participants to identify the types of negative experiences they had with their PPE, and 58% reported using PPE that was the wrong size, while 38% reported having to find a workaround to make the provided PPE fit.

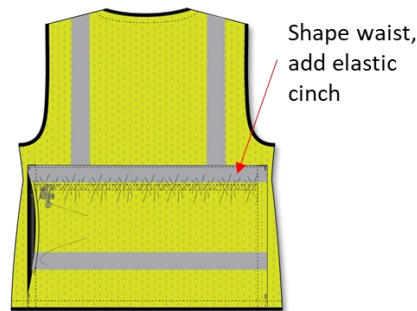
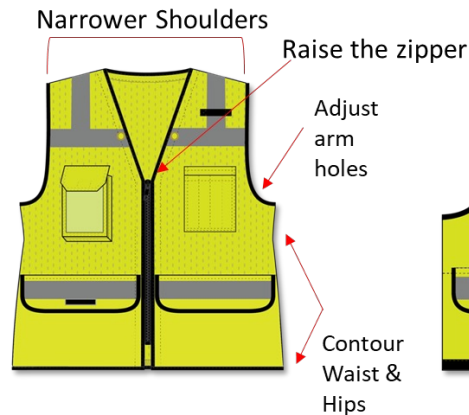
These results highlight the need for PPE that is designed specifically for women, taking into account their unique physical builds. Employers and safety professionals have a responsibility to provide properly fitted PPE to ensure the safety and well-being of all workers. Safety apparel is not only required to be worn, it is required to be made to comply to specific standards. Wearing garments open or modifying them could result in non-compliant safety apparel.

Percentage of Women Reporting Negative Experiences with PPE





WOMEN'S FIT



MEN'S FIT



OUR SOLUTION: SPECIALLY DESIGNED WOMEN'S PPE

Radians has recognized the demand for women's PPE and is addressing it by creating specialized and carefully crafted personal protective equipment that fits women and incorporates features that are essential to them. Radians has implemented these features in several product lines, including hi-vis safety apparel, FR Workwear, heated jackets, eye and face protection, hearing protection, and hand protection. Radians has put the saying "it takes one to know one" into action by utilizing its female product development team to design these solutions.



“No guy on a job site would put up with wearing something smaller, so why should women be expected to wear something bigger than we need to do our job?”

– Amy Roosa, Senior Risk Control Specialist, Gallagher
Co-Founder Annual Iowa Women in Safety Conference

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FIT MATTERS

Here are a few examples that illustrate the contrasts between men's and women's safety apparel on the same model.

MEN'S SV6



- Armholes and neckline are low
- Shoulders are very wide
- Vest shifts around when working and is a catch hazard with excess material

WOMEN'S SV6W



- Armholes and neckline are higher
- Shoulders are more narrow
- Contoured waist and hips to fit a woman's shape
- Vest fits comfortably without being a safety hazard due to excess material

MICHELLE

5'4"

SIZE:
MEDIUM

MEN'S COVERALL



- Oversized shoulders
- Sleeves are too wide & too long
- Tight hip / seat
- Excessive sleeve and inseam lengths

WOMEN'S VU7LCA



- Reduced shoulder
- Rebalanced bust projection
- Reduced sleeve length
- Relaxed hip / seat
- Reduced inseam & body length

RAINWEAR



RW12

T-SHIRTS



ST11W



ST21W



SV6W



SV59W



SV63W

JACKETS



SJ930



SJ910B



DCHV094



DCHJ066C1



VU7LCANVY



VU7LCAGRY

COVERALLS

HEAD PROTECTION



THR XV

EYE PROTECTION



22528



OP6710ID



MRF111D



22528



T71P



MR0120ID

HEARING PROTECTION



CEP001-P

FP75



LS0800CS

GLOVES



RWG703



RWG558



RWG559



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SCAN TO LEARN MORE



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