

# Filtering Facepiece Respirator Selection Considerations for Small Faces

## Description



Each workforce has a different distribution of face sizes. When selecting filtering facepiece respirators (FFR), it is important to keep in mind that although respirators are designed to fit a wide variety of faces, no one respirator model fits all faces. Stocking multiple respirator models can help increase the likelihood that individuals in a group of wearers will be able to achieve proper fit.

A majority of FFR wearers can achieve a passing fit with a regular-size respirator. Note that respirators don't need to be uncomfortably tight in order to seal effectively. During fit testing, wearers should wear the respirator comfortably, to confirm that the respirator is able to seal effectively while being worn comfortably.<sup>1</sup> If wearers experience gaping under the chin when fitting a cup-style respirator, they may benefit from trying a horizontal flat-fold style respirator, such as the 1804, 9105, 1870+, or 9210+, which fold vertically and may accommodate a wide range of face heights.

3M offers several respirator models that are designed specifically for small faces. 3M often denotes those models with an “S” in their product name. Examples are shown in Table 1 and include the following respirator models:








- 3M™ Particulate Respirator 8110S, N95
- 3M™ Health Care Particulate Respirator and Surgical Mask 1860S, Small, N95
- 3M™ VFlex™ Particulate Respirator 9105S, N95, Small
- 3M™ VFlex™ Healthcare Particulate Respirator and Surgical Mask 1804S, N95 Small

**Table 1:** Representative 3M filtering facepiece respirators for special consideration for small faces\* (Sheet 1 of 2)

Name	Surgical/Healthcare FFR	Standard (non-surgical) FFR	Horizontal Flat-fold
<b>1860S</b> 	X		
<b>8110S</b> 		X	

1. US Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard 29 CFR § 1910.134 Appendix A

**Table 1:** Representative 3M filtering facepiece respirators for special consideration for small faces\* (Continued)  
(Sheet 2 of 2)

Name	Surgical/Healthcare FFR	Standard (non-surgical) FFR	Horizontal Flat-fold
<b>1804</b> 	X		X
<b>1804S</b> 	X		X
<b>9105</b> 		X	X
<b>9105S</b> 		X	X
<b>1870+</b> 	X		X
<b>9210+</b> 		X	X
<b>9205+</b> 		X	X

\*Models not be available in all regions.

**Personal Safety Division**  
3M Center, Building 235-2W-70  
St. Paul, MN 55144-1000

3M PSD products are occupational use only.

**In United States of America**  
Technical Service: 1-800-243-4630  
Customer Service: 1-800-328-1667  
3M.com/workersafety  
**In Canada**  
Technical Service: 1-800-267-4414  
Customer Service: 1-800-364-3577  
3M.ca/Safety

© 3M 2020. All rights reserved.  
3M is a trademark of 3M Company and its affiliates.  
Used under license in Canada. All other trademarks are property of their respective owners.  
Please recycle.

