

Types of respirators and protection factors.

The higher the exposure the greater the protection and reduction in exposure required.

In AS/NZS 1715, different combinations of respirators are assigned a required minimum protection factor (RMPF) for clean shaven, fit tested and trained wearers. The RMPF is the minimum reduction in exposure required to reduce the wearers exposure beneath the Workplace Exposure Limit (WEL). Ideally the wearers exposure is reduced well below the WEL. The RMPF is based on the characteristics of the respirator in question such as:

- 1. Air Purifying or Air supplied?
- 2. Positive or negative pressure?

Examples of, but not limited to, respirator and filter combinations

- 3. Tight fitting facepiece or loose fitting head top?
- 4. Sealing area of the tight fitting mask half face or full face?
- 5. Rating of the filter and class of the cartridge?

RMPF 100+	 Self Contained Breathing Appratus (SCBA) positive pressure demand. Powered Air Purifying Pespirator (PAPR) with Class PAPR-P3 particulate filter with a full facepiece. 	SCBA PAPR-P3 PAPR-P3 Supplied Air Continuous Flow PAPR-P3	100x + WEL
RMPF Up to 100	 Full face reusable respirators with P3 particulate filter. 	$ \left \begin{array}{c} & & \\ & & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $	
RMPF Up to 50 or up to 1000 ppm^ or 5000 ppm^^	 Full Facepeice Reusable respirators with P2 particulaute filter. Full Facepeice Reusable respirators with Class 2 gas and vapour cartridge.^^ Powered Air Purifying Respirator (PAPR) with Class PAPR-P2 particulate filter with any headcovering or full facepiece. Powered Air Purifying Respirator (PAPR) with Class PAPR-P3 particulate filter with any headcovering. Full Facepeice Reusable respirators with Class Aus or Class 1 gas and vapour cartridge.^ 	$ \begin{array}{c} \overbrace{A2^n} \\ A2^n \end{array} \\ \hline P2 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \hline P2 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \hline PAPR-P3 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \hline PAPR-P3 \end{array} \\ \begin{array}{c} \overbrace{P2} \\ PAPR-P3 \end{array} \\ \begin{array}{c} PAPR-P3 \end{array} \\ \\ \begin{array}{c} PAPR-P3 \end{array} \\ \\ \begin{array}{c} PAPR-P3 \end{array} \\ \begin{array}{c} PAPR-P3 \end{array} \\ \begin{array}{c} PAPR-P3 \end{array} $ \\ \begin{array}{c} PAPR-P3 \end{array} \\ \begin{array}{c} PAPR	
	 Disposable respirators P1 or P2. Half face Reusable respirators with P1, P2, P3 Particulate Filter. Class AUS, 1, 2, 3 gas & vapour 		



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*Assigned protection factor reccomended by 3M ANZ.