



Respiratory Protection

Your health depends on breathing clean air, but in an industrial environment, breathing (respiratory) hazards may be present. These hazards are often invisible and can cause health problems if you're exposed to them without personal protection.

PDS International offers employers an effective respiratory protection program meeting the Singapore Standard SS548:2009.

Particulate filters for air-purifying respirators are classified according to filter efficiency. Particulate filter efficiency is measured by the percentage of particulate contaminant removed by the filter. Particulate filters are commonly classified into three classes of efficiency.

For example, in AS/NZS 1715:2009 and BS EN 143:2000, non-powered air-purifying particulate filters are classified into three classes of 80% (P1), 94% (P2), 99.95% (P3) efficiency.

Under the NIOSH 42CFR Part 84, there are nine classes of filters (three series of filters with three levels of filter efficiency).

The filter series are referred to as N, R and P. The three different levels of filter efficiency are 95%, 99% and 99.7%.

N-Series filters - Approved for solid and liquid particulates, excluding oils.

R-Series filters - for both oil and non-oil solid and liquid particulates with a maximum 8 hours or one shift use. Time restrictions when used for oil mist.

P-Series filters - is approved for both oil and non-oil particulates, and can be used longer than an R Series filter.



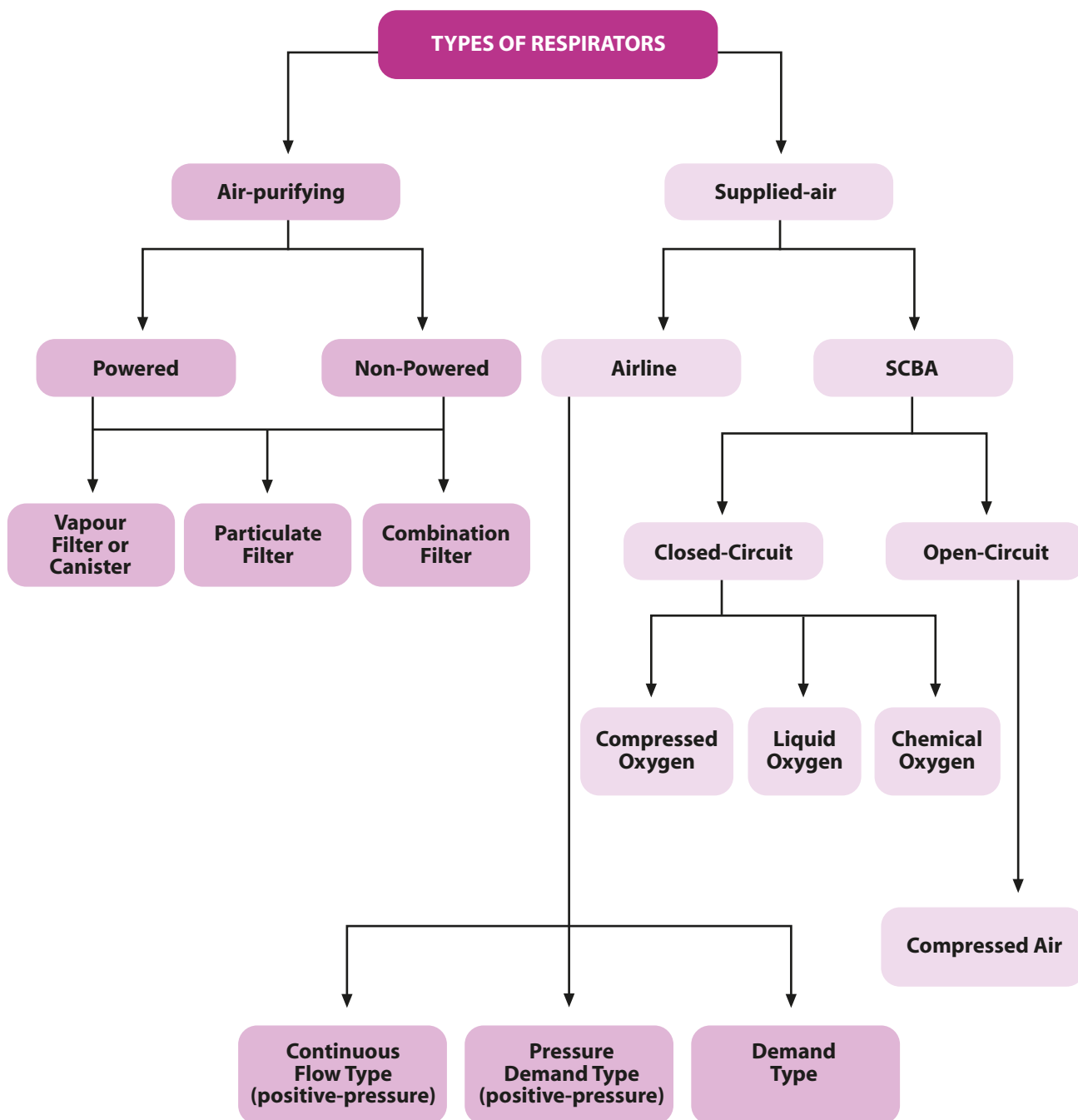


respiratory protection

All our respirators comply with Singapore SS548:2009 standards. According to the Singapore SS548:2009 (formerly CP 74), clause 5.3, our "respirators shall satisfy any of the following standards or their equivalent: NIOSH-MSHA (USA), CEN (Europe), AS/NZS (Australia/New Zealand), KOSHA (Korea) and JIS (Japan)"*.

In addition, we provide training and technical assistance concerning the following elements as listed in SS548:2009*:

- Selection of suitable types of respirators
- Fit-testing and training in conducting of fit-tests
- Training users on usage, care and limitations of respirators
- Advice and provision of proper signage in hazardous areas
- Assistance and training pertaining to proper and regular inspections and maintenance



*Quoted and adapted from Singapore Standard SS548:2009 (formerly CP 74). For a more detailed description and explanation, customers and users should refer to the SS548:2009 or equivalent.