

## FILTER SELECTION

When the contaminant is particulate matter, a particle filter must be used.

The filter should only be used until it becomes clogged to the point where the flow warning alarm sounds, or when the battery operating time becomes too short. When either of these conditions occur the filter should be changed.

Harmless smells, can be eliminated with a odour filter in combination with the particle filter.

When the contaminant is gas or vapour, the particle filter should be used in combination with the gas filter cassette.

**Note!** There is no end-of-life warning for the gas filter media. However, the usable life of the gas filter cassette can be calculated. To do this accurately, it is necessary to know the concentration of the gas in the atmosphere where welding occurs and the capacity of the gas filter cassette used + the airflow.

Knowing the "theoretical useable life" one can plan filter changes to ensure the user is provided with continuous protection.

If in any doubt, change the filter cassette well before expected end-of-life duration. If breakthrough is detected by smell, taste or any other means, vacate contaminated area immediately and fit a new filter cassette.

**Note!** Only ADFLO particle filter, pre filter, odour filter and gas filter shall only be used together with this system. Filters referring to EN standards other than EN 12941:1998 (standard for breathing protection, motor assisted, filter protection with helmet or hood) must and cannot be used.

Contaminant	Filter type	Art No
Particulate only	P (SL)	837010
Particulate; organic gases and vapours with boiling point greater than 65°C; inorganic gases and vapours and acid gases	P (SL) + A1B1E1	837010 + 837242
Particulate and harmless smells	P (SL) + Odour	837010 + 837110

### Filter marking

The letter "P" indicates the filtration of particles and letters "SL" shows that the filter has been tested against particles of liquid or solid matter in an aerosol form. The letters "A", "B" and "E" indicate that the filter provides protection against organic, inorganic and acid gases as defined by the standard. The number "1" describes the filter capacity.

Classification	Part numbers
TH2P	460800 + 832030* + 837010
TH2P	471800 + 832030* + 837010
TH2P	899030 + 832030* + 837010
TH2A1B1E1P	460800 + 832030* + 837010 + 837242 + 837621**
TH2A1B1E1P	471800 + 832030* + 837010 + 837242 + 837621**
TH2A1B1E1P	899030 + 832030* + 837010 + 837242 + 837621**

\* 832030 = 832000+834000+838030+836000+836010+837010+837620+838020+835000+833101

\*\* to achieve conformity with EN 12941 the heavy-duty battery should be used