



Safety of pressure swing adsorption systems for hydrogen separation and purification (ISO/TS 19883:2017, MOD)



SA TS 19883:2020

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Preface

This Technical Specification was prepared by the Standards Australia Committee ME-093, Hydrogen Technologies.

The objective of this document is to identify safety measures and applicable design features that are used in the design, commissioning, and operation of pressure swing adsorption systems for hydrogen separation and purification. It applies to hydrogen pressure swing adsorption systems that process all kinds of impure hydrogen streams as feed, including both stationary and skid-mounted pressure swing adsorption systems for hydrogen separation and purification in commercial or industrial use. This document also applies to small-scale PSA hydrogen system installed within containers, where allowed by local regulations.

This document is an adoption with national modifications, and has been reproduced from, ISO/TS 19883:2017, *Safety of pressure swing adsorption systems for hydrogen separation and purification*. The modifications are additional requirements and are set out in [Appendix ZZ](#) which has been added at the end of the source text.

[Appendix ZZ](#) lists the variations to ISO/TS 19883:2017, for the application of this document in Australia.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

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