

Water seal systems – general layout instructions

Scope

This standard provides instructions for the principle design of water seal systems and recommendations for ordering, installation and operation. The document is used as a basis during design and planning work, for example, and its objective is to reduce error sources and provide the right conditions in order to maintain a reliable water seal system.

Changes since the previous edition

This edition differs from the previous one in that:

- Chapter 2 – "Water saving systems" has been adjusted for the measurement and regulation of seal water meters.

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Appendix 1: Water seal specification

1 General

A water seal system requires access to water of a high level of purity irrespective of the system. An uninterrupted supply of water is also essential. There must be no valves that can be shut accidentally. A flushing valve must be fitted.

1.1 Sealing water quality

It is recommended that sealing water for systems should be measured with regard to particles etc. See Appendix 1 – "Water seal specification" for the parameters that can be specified. By experience, totally deionised water is not recommended.

1.2 Seals

Seals must be suited to the system's operating characteristics, whether the system will be operating continuously or intermittently, and offered by the system's preferred seal supplier.