

Guide for condensate deflectors

Scope

This guide provides guidance on the occurrence of condensate deflectors and their function, characteristics and area of use. The guide also deals with installation of condensate deflectors and the construction of steam draw-off points.

The guide deals with "clean" steam, i.e. steam other than refinery steam and other contaminated steam.

Changes since the previous edition

This edition differs from the previous edition in that:

- The standards SSG 7525E and SSG 7527E have been merged and converted into a guide.
- The guide has been updated according to the current template for SSG standards.

Contents

| | | |
|----------|--|----|
| 1 | Terminology | 1 |
| 2 | Types of condensate deflectors | 2 |
| 3 | Commonly used condensate deflectors | 3 |
| 4 | Guide for selection of condensate deflectors | 4 |
| 5 | Design and installation | 5 |
| | 5.1 General | 5 |
| | 5.2 Installation | 5 |
| | 5.2.1 Normal installation of condensate deflectors | 6 |
| | 5.2.2 Installation for drainage of steam lines | 7 |
| | 5.2.3 Installation of drainage for heat exchangers | 8 |
| | 5.2.4 Installation for the design of steam draw-off points and closing of steam main pipes | 9 |
| 6 | Functional control of condensate deflectors | 10 |
| | 6.1 Ocular assessment | 10 |
| | 6.2 Temperature measurement | 10 |
| | 6.3 Conductivity | 11 |
| | 6.4 Ultrasound | 11 |

1 Terminology

Condensate deflectors – concepts used in this guide for steam traps.