

GUIDE SSG 5418E

INSTRUMENT INSTALLATION MANUAL

SSG 5418E is a guide for purchasers, suppliers and executors of instrument installations. The guide facilitates installation projects and installations where SSG's installation principles are used.





Instrument installation manual

Information within brackets [...] in this document refers to local regulations.

Scope

SSG 5418E is a guide for purchasers, suppliers and executors of instrument installations.

The guide is used as a support for projects where SSG's installation principles are used and provides a common view of the scope of delivery as well as roles and responsibilities in the different phases of the project. The guide can also support preliminary studies and ordering to specify the correct materials, and also provide examples of common installation faults and how they can be avoided.

SSG 5418E provides an overview of SSG's installation principles and describes how they are intended to be used. The guide also shows examples of installations that have been carried out according to these principles.

SSG 5418E replaces SSG 5401E – *Instrument installation. Overview*.

**Contents**

1	Related documents	2
2	Terminology	3
3	Projects – phases, roles and responsibilities	4
3.1	Planning	4
3.2	Procurement	4
3.3	Execution	5
3.4	Check-out/inspection	5
3.5	Handover to operation	6
3.6	Operation	6
3.7	Scraping/decommissioning	6
4	Examples of faults and how they can be avoided	7
4.1	Process outtake mounted in the wrong place	7
4.2	Flowcharts are not up to date	7
4.3	Drawing errors	7
4.4	Incorrectly fitted valves	8
5	How SSG's installation principles are used	9
5.1	General requirements	9
5.2	Designation	9
5.3	Sketch	10
5.4	Position number	10
5.5	List of parts	10
5.6	Symbols	11
5.7	Overview – SSG's installation principles	11
6	SSG 5402E–5407E: examples with illustrations	13
6.1	SSG 5402E – Analysis equipment (A)	13
6.2	SSG 5403E – Flow measurement equipment (F)	21
6.3	SSG 5404E – Level measurement equipment (L)	31
6.4	SSG 5405E – Pressure measurement equipment (P)	39
6.5	SSG 5406E – Temperature measurement equipment (T)	45
6.6	SSG 5407E – Equipment for valves (V)	47
7	References	50

1 Related documents Often, there are local standards that the facility must follow and be aware of.