



Steuler Anlagenbau | **Modular Systems. Complete Solutions.**

Documentation requirement

Supplier Requirements Documentation

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1 Technical documentation

1.1 General information

Operating manuals are to be created according to the ISO 82079-1 and the Machinery Directive 2006/42 EC.

The requirements for additional documents like certificates, dimension and data sheets, test certificates are defined additionally and are to be supplied separately for each language.

Each particular SAB part number should be assigned to the documents requested.

The documents must be furnished as open PDF file 1.7 and are integrated in compliance with the requirements specified in the DIN technical report 146.

1.2 Content-related

Safety instructions are to be carried out in compliance with ANSI Z535.6 / ISO 3864-1.

 **DANGER**

Indicates an imminent danger.

Non-avoidance will lead to death or serious injury.



 **CAUTION**

Indicates a possibly dangerous situation.

Non-avoidance may lead to death or serious injury.



 **WARNING**

Indicates a possibly dangerous situation.

Non-avoidance may lead to injuries.



NOTICE

Indicates situations resulting in material damage.

Non-avoidance may lead to material damage to the plant.



Sample

 **DANGER**

Type and source of risk

Consequences

- ✓
- a)
- ⇒



Instruction for action

Actions are to be carried out as instruction for action

- ✓ Symbol - Condition: The text after this symbol describes conditions required before taking the individual actions based on the instruction for action.
- a) Symbol - Action: The text after this symbol describes actions to be taken in the given order from top to bottom.
 - ⇒ Symbol - Intermediate result: The text after this symbol describes an intermediate result of an action.
 - ⇒ Symbol - Result: The text after this symbol describes the result of an action.

1.3 Structure

Layout, text structure and level of detail are specified in the ISO 82079-1 and in the Machinery Directive 2006/42 EC:

Example:

- Cover sheet
 - Product description e. g. product name with type designation
 - Description of the documentation e. g. operating manual, maintenance manual
 - Manufacturer (incl. authorised person acc. to Machinery Directive)
- General information
 - Exact manufacturer's address
 - CE declaration of conformity/ declaration of incorporation
- Safety instructions
 - Intended Use
 - Foreseeable misuse
 - Instructions for signs and symbols used (acc. to ISO standard)
 - Safety instructions
- Technical data
 - Dimensions and weights of the components
 - Energy consumption
- Technical description
 - Layout
 - Function
 - Control
- Transport and assembly
 - Transport
 - Weight distribution
 - Unpacking
 - Assembly (step-by-step instruction)
- Commissioning
 - Preparation
 - Cleaning
 - Cold/ hot commissioning
- Operation
 - Switching on/ off
 - Automatic mode
- Errors and trouble shooting
 - Tabulated listing
- Maintenance
 - Tabulated listing (daily, weekly, monthly, yearly)
- Spare Parts Catalog
 - Tabulated listing with itemized drawings
- Drawings
 - as PDF file and in generated format
- OEM documentation of the suppliers
 - PDF documents

1.4 Dispatch

The requested documents are to be sent preferably by e-mail to:

doku.sab@steuler.de

For larger document sizes (file size over 10 Mb) please send a CD to:

Steuler Anlagenbau GmbH & Co. KG

Technical documentation

Georg-Steuler-Straße 1

D-56203 Höhr-Grenzhausen

The letter must include the SAB order number and an assignment of the documents to the part numbers must be apparent. After receipt of the documentation this one is verified using the check list ISO 82079-1 and the Machinery Directive 2006/42 EC. PDF documents are to be provided **uncoded** and **without restriction of the functions**.

1.5 Drawings

Drawings are to be provided as DWG and PDF file.

- Layout diagram
- Installation diagrams/ sections
- Basic flow diagrams
- Process flow diagrams
- P&IDs

1.6 Languages

Basically the documents are to be delivered in German. Further requested languages are specified in the order. In the chapterFiles identification [▶ 6]the identification of the languages is shown. Every file must be identified according to ISO 639-1.

An overview of the country codes is specified in the Wikipedia 639-1-list of codes.

1.7 Files identification

All documents are to be identified uniformly. For each language one file is to be generated. For multilingual documents only the country code changes. English is to be chosen as preferential language when identifying the documents.

1. Manufacturer's name
2. Abbreviation of the document type (e. g. OM - Operating manual)
3. Description of component
4. Country code ISO 639-1

Example

Pump manufacturer BA Pump XY_DE.pdf