

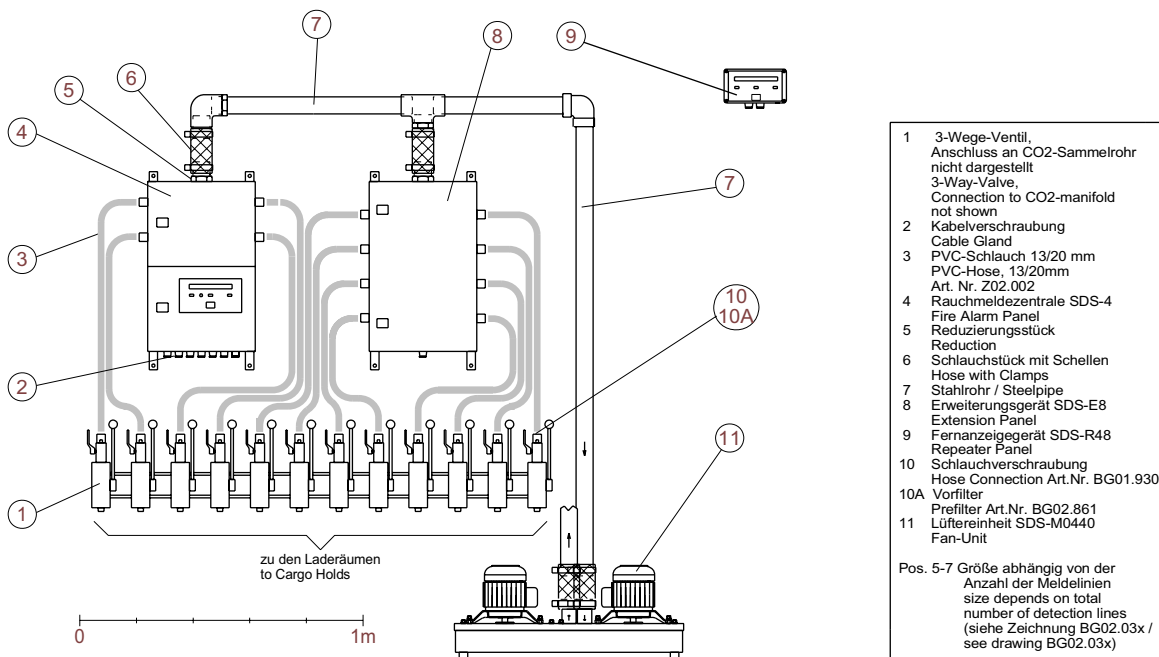
1 Overview

The smoke detection system SDS-48 is used for continual smoke monitoring in up to 48 cargo holds.

For this a network of pipes simultaneously draws air samples from all cargo spaces, which are then fed to the smoke detection panel. In most cases, the pipes for the CO₂ fire extinguishing system are used for this. The fire extinguishing equipment and the smoke detection system can both be connected to the same network by means of 3-way valves.

For remote display of smoke alarms and fault warnings, a repeater panel is installed on the bridge and is connected to the smoke detection panel in the CO₂ room via a 4-wire cable (RS-485-bus cable).

The system in its layout complies with the requirements of FSS Code Chapter 10 (sample extraction smoke detection systems). The system is designed to safeguard against explosion according to IEC 79 and EN 50 020.



General Arrangement for Smoke Detection System SDS-48 with 12 Detection Lines
(IMPORTANT NOTICE: The project-related scope of supply may differ from this example.)